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GRADUATE CATALOG

Texas Southern University The Graduate School

211 Hannah Hall
3100 Cleburne St., Houston, Texas 77004
www.tsu.edu/graduateschool/ (<http://www.tsu.edu/graduateschool/>)

About this Bulletin

This graduate bulletin contains information on academic and non-academic policies, procedures, and requirements with which each student must become familiar. Students should consult the Table of Contents for guidance. Provisions in this bulletin will not be valid after August 2023.

The statements set forth in this bulletin are for informational purposes only and should not be construed as the basis of a contract between a student and Texas Southern University. Provisions set forth in publications of individual schools and colleges shall supersede those herein.

Although the provisions of this bulletin will ordinarily be applied as stated, Texas Southern University reserves the right to change any provision listed in this bulletin, including but not limited to academic requirements for graduation, without actual notice to individual students. However, every effort will be made to keep students advised of any such changes. Information concerning changes in policies, procedures, and requirements will be available in the Office of the University Registrar and the offices of the various academic advisors, the academic departments, and the major schools and colleges. It is especially important that each student note that it is his or her responsibility to be aware of current graduation requirements for a particular degree program.

The provisions of this catalog do not constitute a contract, expressed or implied, between any applicant, student, or faculty member and Texas Southern University. Texas Southern University reserves the right to withdraw courses at any time and to change fees, calendars, curricula, graduation procedures, or other requirements affecting students. Changes will become effective whenever the proper authorities at the University so determine and will apply to both prospective students and those currently enrolled. Provisions set forth in publications of individual schools and colleges shall supersede those herein.

Although every effort is made to assure that information is accurate, Texas Southern University does not assume responsibility for any misrepresentation that might arise through error in the preparation of this or any other of its catalogs or through failure to give notice of changes in its requirements, policies, tuition and fees, course offerings and other matters affecting students or applicants. To be assured of accuracy of information, students must regularly consult current publications and academic advisors.

Texas Southern University's mission dedicates the University "to providing quality instruction, scholarly research, and socially responsible public service." The Graduate School supports the University's mission by training the next generation of professional practitioners and research scholars. The University offers 27 master's programs, three Doctor of Education programs, and four Ph.D. programs. The Graduate Faculty focuses both on education and scholarly research. Students have the

opportunity to work with world renowned scholars as they progress in their training.

Our programs are designed to focus on the needs of students. Most of our programs offer evening classes and flexible schedules which accommodate working professionals. Contact our office for general information on applying and be sure to communicate with advisors in the program of your interest for detailed information.

Texas Southern University is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award baccalaureate, masters, and doctorate degrees. Contact the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions about the accreditation of Texas Southern University.

General Information

The Graduate Office maintains the official record for each graduate student and serves as the administrative body and source of information for graduate education. This graduate bulletin contains information on academic and non-academic policies, procedures, and requirements with which each student must become familiar. Students should consult the Table of Contents for guidance.

For curriculum changes to this catalog and general information and announcements relative to the Graduate School, please visit the Texas Southern University Graduate School website at www.tsu.edu/graduateschool/ (<http://www.tsu.edu/graduateschool/>) (<http://www.tsu.edu/graduateschool/>).

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Summary of Graduate Degrees Offered

Note: Many of the degrees offered have multiple tracks leading toward their completion. Consult contents of this bulletin related to the various departments and the respective degrees offered for detailed information on these tracks. Texas Southern University does not offer an undergraduate degree in nursing; however, students interested in pursuing this degree elsewhere may earn lower level credits needed for this degree at the University. The Department of Biology administers a pre-nursing program, and students choosing to pursue this course of study should consult that department's section of this bulletin for more information.

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Note: Consult contents of this bulletin related to the various departments and the respective degrees offered for detailed information.

Definitions

Course

A course is a unique combination of title, course number, credit hours, and other course attributes that may include terms offered, cross listed courses, contact hours, pre- or co-requisites, credit type, level.

Academic Program

An academic program is defined as any combination of courses and/or requirements leading to a degree or certificate.

Executive Programs

An executive program refers to academic programs at the graduate-level designed for executives, business leaders and functional managers. These programs are offered as online programs.

Accelerated Program

Designated programs arranged between undergraduate and graduate or professional schools and colleges. Students apply separately to and must be accepted by both programs. The curricula of dual degree programs are not integrated. Students complete all curricular requirements of each program. The programs may allow special

coordination of scheduling or allocation of electives. Upon successful completion of each component of the dual program, the students will receive the degree specific to that component, (ex. B.S. / M.S. (4+1))

Degree

A title that the University confers on a student who has satisfactorily completed a required program of study.

- Degree requirements are established by the university, colleges, and departments, and are approved through the curriculum approval process.
- New degrees must be approved by the university administration, the TSU Board of Regents, and the Texas Higher Education Coordinating Board (THECB).

Major

A major represents the primary field of study for a degree-seeking student. It is a structured plan of study that is part of a degree plan and must have a minimum of 30 semester credit hours.

- A completed major is shown on the diploma and the transcript.
- A new major must go through the curriculum approval process. In addition, new majors must be approved by the university administration, the TSU Board of Regents, and the Texas Higher Education Coordinating Board.
- Changes to an existing major must be accomplished in accordance with TSU's curriculum update process.
- Every major will have a Classification of Instructional Programs (CIP) code attached to it.
- Only formally approved majors will appear in the University Catalog.

Minor

A minor represents an optional, secondary field of study for a degree-seeking student. It is a structured plan of study requiring a minimum of 18 semester hours and no more than 21 semester hours.

- Every minor will have a Classification of Instructional Programs (CIP) code attached to it.
- New minors as well as changes to existing minors must go through the curriculum approval process.
- Minors will be printed on the student transcript.
- Only approved minors will appear in the University Catalog.

Concentration

A concentration is an approved set of courses within a major that defines a specialty area or specific field of study. Unless specified by the unit offering the major, a concentration is not required.

- The term concentration will be used to describe what used to be called degree track, emphasis, specialty/ specialized area, and option.
- Every concentration will have a Classification of Instructional Programs (CIP) code attached to it.
- Both new concentrations and changes to existing concentrations must go through the curriculum approval process.
- Only formally approved concentrations will appear in the University Catalog.
- Concentrations will be printed on the diploma and the transcript.

Differences Between a Concentration and a Minor

The ultimate difference between a concentration and a minor is that a concentration is very specific academic subfield within the major, but a minor is a separate field of study.

Academic Year

For the purpose of planning, the definition of an academic year, as provided by the U.S. Department of Education, has been used. This definition follows:

- An academic year is a period that begins on the first day of classes and ends on the last day of classes or examinations, and, that is a minimum of 30 weeks of instructional time.
- For purposes of the definition of an academic year, a week is a consecutive 7-day period.
- For an educational program using a semester, trimester, or quarter system or clock hours, the Secretary considers a week of instructional time to be any week in which at least one day of regularly scheduled instruction, examinations, or preparation for examination occurs.
- For an educational program using credit hours (but not using a semester, trimester, or quarter system), the Secretary considers a week of instruction to be 5 days.
- Instruction time does not include periods of orientation, counseling, vacation, or other activity not related to class preparation or examinations.

Academic Calendar

The academic calendar is available at tsu.edu/registrar/academic-calendar/index.html (<http://www.tsu.edu/registrar/academic-calendar/>). The university reserves the right to adjust specific dates on the academic calendar without prior notice.

Credit Hour (Semester Credit Hour)

A unit of measuring educational credit based on the number of classroom hours (or equivalent course work) per week throughout a 15-week period in a semester. It is applied towards the total number of hours needed for completing the requirements of a degree, diploma, certificate or other formal award.

Contact Hour

A unit of measure that represents an hour of scheduled instruction given to students of which 50 minutes must be of direct instruction.

Face-to-Face/On Campus Course Delivery

Traditional classroom environment where the instructor and the students are not separated by geographic space or time. A course in which a majority (more than 50 percent) of the planned instruction occurs when the students and instructor(s) are in the same place and are not separated by geographic space or time. For a three-credit class, this would be at least 23 hours of face-to face instructions, with no more than 22 hours of online and or hybrid course instruction.

Face-to-Face/On Campus Program

Traditional classroom environment where the instructor and the students are not separated by geographic space or time. Courses offer face-to-face/on campus course work, however can include online or web-enhanced course work (not more than 50 percent) that could be delivered

in a distance education format if within the guidelines of face-to-face/ on campus course delivery and outside the online/hybrid guidelines. Students in these programs would be required to live on or close to the campus.

Distance Education

Note: The Texas Higher Education Coordinating Board defines distance education as:

"The formal educational process that occurs when students and instructors are not in the same physical setting for the majority (more than 50 percent) of instruction". Distance education can include courses and programs offered online, off-campus face-to-face, and electronic-to-groups. Coordinating Board rules recognize two categories of distance education courses: fully distance education courses and hybrid/blended courses. A fully distance education course is defined as "A course which may have mandatory face-to-face sessions totaling no more than 15 percent of the instructional time. Examples of face-to-face sessions include orientation, laboratory, exam review, or an in-person test." A hybrid/blended course is defined as "A course in which a majority (more than 50 percent but less than 85 percent), of the planned instruction occurs when the students and instructor(s) are not in the same place".

Fully Online Course Delivery

Courses conducted via web-based instruction and collaboration. Fully online course delivery may require minimal campus attendance, face-to-face orientation, or in-person/proctored examinations with approval of program proposal through the University Academic Council process. Credit bearing course that replaces more than 85 percent of face-to-face seat time with technology enhanced instruction. The more than 85 percent refers to required attendance/participation. For a three-credit class, this would mean no more than seven (7) required hours could be face-to-face, with the remainder online.

Hybrid Course Delivery

A course in which a majority (more than 50 percent but less than 85 percent), of the planned instruction occurs when the students and instructor(s) are not in the same place. For a three-credit class, this would mean between 23 hours and less than 38 hours of instruction between students and instructor(s) not in the same place.

Fully Online Program

Programs where at least 80 percent of all courses are delivered via web-based instruction, videoconferencing, or at an off campus location. For example, 80 percent of a 36-hour graduate program would mean that 28.8 credit hours are online.

Note: The Designation of 100% Online (Course/Program):

The designation of 100% Online (Course/Program), means the entire course and/or program is online. For programs that require a practicum/rotation, if students can complete these in their own community, the program is still considered online (e.g. If a program is approved for 100% Online delivery, then each of the courses within the program must also be offered as 100% Online delivery).

Hybrid/Blended Program

Programs where at least 50 percent but not more than 80 percent of all courses are delivered via web-based instruction, videoconferencing, or

at an off-campus site. For example, 50 percent of a 36-hour graduate program would be that 18 credit hours are online.

In addition, online and or hybrid programs are required to follow the Texas Higher Education Coordinating Board rules governing the offering of distance, off-campus, and self-sustaining education. For students, online and or hybrid programs may require minimal campus attendance, a face-to-face orientation or in-person/proctored examinations with approval of program proposals through the University Academic Council process.

Note: *Texas Higher Education Coordinating Board rules governing the offering of distance (i.e. Online and Hybrid Programs), off-campus, and self-sustaining education*

- Chapter 4, Subchapter P (rules governing online, hybrid/blended, electronic-to-groups)
- Chapter 4, Subchapter Q (rules governing off-campus face-to-face, out-of-country, out-of-state)
- Chapter 7 (rules governing degree granting colleges and universities other than Texas public institutions)

About the University

Mission

Texas Southern University is a student-centered comprehensive doctoral university committed to ensuring equality, offering innovative programs that are responsive to its urban setting, and transforming diverse students into lifelong learners, engaged citizens, and creative leaders in their local, national, and global communities.

Vision

Texas Southern University will become one of the nation's pre-eminent comprehensive metropolitan universities. We will be recognized by the excellence of our programs, the quality of our instruction, our innovative research, and our desire to be a contributing partner to our community, state, nation, and world.

Organization for Instruction

The University is organized for academic instruction as eleven colleges and schools. The names of these instructional units appear below:

- The Jesse H. Jones School of Business
- The College of Education
- The School of Communication
- The College of Liberal Arts and Behavioral Sciences
- The Barbara Jordan - Mickey Leland School of Public Affairs
- The College of Pharmacy and Health Sciences
- The College of Science, Engineering, and Technology
- The College of Transdisciplinary Studies
- The Graduate School
- The Thurgood Marshall School of Law
- The Thomas F. Freeman Honors College

Campuses

Texas Southern University is located in Houston, TX, the fourth largest city in the US and one of the fastest-growing and forward-moving cities in the world. Nestled upon a sprawling 150-acre campus, Texas Southern University is located in the heart of the city in Houston's historic Third Ward, giving its students and faculty easy access to the Museum District,

neighboring educational institutions, the Texas Medical Center, City Hall, downtown Houston, and all of the city's major freeways.

Regents and Administration

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Policies

- Notice of NonDiscrimination Policies (p. 12)
- Campus Carry Policy (p. 12)
- University Commitment and Student Responsibilities (p. 12)

Notice of Nondiscrimination Policies

Texas Southern University is in compliance with Title VI of the Civil Rights Act of 1964 and does not discriminate on the basis of race, creed, color, or national origin. It is also in compliance with the provisions of Title IX of the Educational Amendments of 1972, which prohibit discrimination on the basis of sex. Further, the University is in compliance with the Americans with Disabilities Act (ADA) of 1990 and with Section 504 of the Rehabilitation Act of 1973 as amended.

It is the policy of the University that sexual harassment as defined in the EEOC Guidelines will not be tolerated among members of the Texas Southern University community. Any complaint of sexual harassment should be reported immediately to the appropriate person as designated by the Provost/Senior Vice President for Academic Affairs and Research.

Campus Carry Policy

Notice of Licensed and Concealed Weapons on Campus Policy

On June 1, 2015, Gov. Greg Abbott signed S.B. 11, also known as the "campus carry" law. S.B. 11 provides that license holders may carry a concealed handgun throughout university campuses, starting Aug. 1, 2016.

Please visit the following web-link to access Texas Southern University's campus carry policy: www.police.tsu.edu/index.php/prevention-safety/campus-carry (<http://police.tsu.edu/index.php/prevention-safety/campus-carry/>).

Additional information can be found at the TSU Department of Public Safety's web-site: www.police.tsu.edu (<http://police.tsu.edu/>).

The TSU Department of Public Safety has created a video to inform and educate the campus community regarding the "Campus Carry" Law. Please watch the entire video to stay informed regarding this new law. The video can be accessed at the following YouTube web-link: [www.youtu.be/f7fg4Ts9mVA](https://youtu.be/f7fg4Ts9mVA) (<https://youtu.be/f7fg4Ts9mVA/>).

University Commitment and Student Responsibilities

University Commitment

On June 17, 1973, the Texas Legislature designated Texas Southern University a "special purpose institution of higher education for urban programming." Subsequent to this mandate, the designation and the University motto of "Excellence in Achievement" were welded in order to formulate the institutional mission. Accordingly, the University is committed to the management of a comprehensive educational curriculum that will render the motto creditable.

Student Responsibilities

Texas Southern University provides a student-centered learning environment in which students are afforded opportunities to practice self-discipline, to assume responsibilities as maturing adults, and to enjoy certain freedoms. When students elect to enroll at the University, they also accept and agree to abide by the rules, regulations, and policies by which the University is governed. Inasmuch as enrollment is voluntary, acceptance is voluntary. On this basis, students cannot, without great personal liability to their continued association with the University, obstruct, hamper, disrupt, or otherwise interfere with the institution's attainment of its lawful mission, please refer to the Student Code of Conduct (www.tsu.edu/ssp/pdf/tsu-student-code-of-conduct.pdf) (<http://www.tsu.edu/ssp/pdf/tsu-student-code-of-conduct.pdf>) for additional information. The institution, therefore, has both the right and the obligation to promulgate rules and regulations designed to promote attainment of its purpose.

Freedom of Expression

Texas Southern University ("TSU") recognizes that freedom of expression and public assembly are fundamental rights of all persons, and are essential components of the education process. These activities promote debate and the sharing of ideas, which are the foundation of educational institutions. In keeping with this responsibility, any person is free to exercise the rights to assemble and engage in expressive activity in a constitutionally protected manner subject only to the content-neutral regulations necessary to fulfill the mission and obligations of TSU, preserve the rights of others, coordinate multiple uses of limited space, assure preservation of the campus facilities and grounds, and assure financial accountability for any damage caused by these activities. Please refer to Student Life policies (www.tsu.edu/mapp/pdf/student-affairs/050101-freedom-of-expression-001.pdf) (<http://www.tsu.edu/mapp/pdf/student-affairs/050101-freedom-of-expression-001.pdf>) for additional information.

Accredited Programs

Texas Southern University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award baccalaureate, masters, and doctoral degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions concerning the accreditation of Texas Southern University.

In the College of Liberal Arts and Behavioral Sciences, the Social Work Program is accredited by the Council of Social Work Education, and the Dietetics Program is accredited by the American Dietetic Association.

The College of Education holds NCATE accreditation through the Council for Accreditation of Educator Preparation programs. It is also accredited by the Texas Education Agency, the Texas Workforce Commission, and the Texas Association of Colleges. It also holds membership in the Council for the Accreditation of Educator Preparation Programs and the Association of Colleges for Teacher Education.

The Jesse H. Jones School of Business is accredited by the Association to Advance Collegiate Schools of Business (AACSB International).

In the College of Pharmacy and Health Sciences, The Doctor of Pharmacy (PharmD) is accredited by the American Council of Pharmaceutical Education (ACPE) and is a member of the American Association of Colleges of Pharmacy (AACP).

In the Barbara Jordan-Mickey Leland School of Public Affairs, the Master of Public Administration program is accredited by the Network of Schools of Public Policy, Affairs and Administration (NASPAA) and holds membership in NASPAA; The Masters of Urban Planning and Environmental Policy program is accredited by the Planning Accreditation Board (PAB) and holds membership in the Association of Collegiate Schools of Planning (ACSP).

Four of the programs in the College of Science, Engineering and Technology hold special certification and/or accreditation: the Chemistry program is certified by the American Chemical Society; the Electronics Engineering Technology program is accredited by the Engineering Technology Accreditation Commission of the Accreditation Board for Engineering and Technology (ETAC of ABET); and the Industrial Technology and Aviation Science Management programs are accredited by the Association of Technology, Management, and Applied Engineering (ATMAE).

The Thurgood Marshall School of Law is accredited by the American Bar Association, and is a member of The Association of American Law Schools, and the American Association of Law Libraries.

The Library Learning Center

The TSU Library Learning Center (LLC)

The Texas Southern University's Library Learning Center supports the university's academic and research mission and vision by providing easy access to relevant adequate and appropriate library and information resources, services and support. These services and resources are designed to enhance and facilitate scholarship. Through information literacy, the library prepares 21st-century learners to be lifelong learners in the information age. The library's knowledgeable and experienced team provides reference and research assistance, consultation and instruction.

The library's principal resources consist of comprehensive collections of print and non-print materials that support course offerings, instruction and research. The current print collection consists of fewer than 100,000 circulating items. However, the library licenses and provides access to an impressive collection of over 260 electronic databases, affording access to thousands of full text e-journals. Additional electronic databases provide access to thousands of e-books. Most of these electronic databases are accessible on campus, off campus and through electronic mobile devices.

In support of a multi-disciplinary approach to scholarship, the new Library Learning Center is designed to encourage collaboration and to house a comprehensive collection of relevant resources that support the curriculum. As increased emphasis on timely access to relevant content

drives institutional demands for electronic resources, the library responds by continuously analyzing feedback and strengthening the collections. Registered students have access to most resources, both on- and off-site.

The library catalog is searchable 24/7. Materials are classified using the Library of Congress (LC) Classification System and are distributed throughout the third, fourth and fifth floors of the Library Learning Center

To encourage and reinforce study, a number of closed study rooms, individual study carrels, and collaborative study areas are provided on most floors. With the exception of Special Collections, the library maintains open stacks.

Special Collections and the Traditional African Art Gallery are located on the second floor of the Library Learning Center. Many of the University's "treasures" are housed in these collections. These unique holdings constitute diverse collections with local, state, regional, national and international significance. Among the collections are the Congresswoman Barbara Jordan Archives, The Traditional African Art Gallery, The Heartman Collection on African American Life and Culture, and The University's Archives. Hours may vary.

Public access kiosks are located throughout the Library Learning Center. Wireless access is available throughout the Center. Online Services provided by the Library Learning Center include: bibliographic (course-centered) instruction, information literacy instruction, "Ask A Librarian" (Chat or email), My Account, interlibrary loan and document delivery. Distance Learning Services and reciprocal borrowing from TexShare libraries are available for currently enrolled students, and current TSU employees. Under normal circumstances, students are eligible to borrow materials directly from most Texas state colleges and universities. Additional information regarding this service may be obtained by calling the Library Learning Center (713-313-7402). Other services offered include access to photocopying equipment and free scanning services for persons with disabilities. For more information, see the Texas Southern University's Library Learning Center's website or contact the Reference Desk at 713-313-7402.

The Office of Information Technology (OIT)

Who We Are

Welcome to the Office of Information Technology (OIT) at Texas Southern University. OIT has integrated systems throughout the campus to improve IT services, technology adoption, and student success. Essential to this effort has been the centralization of technologies and resources with a clearly defined mission.

This mission has been accomplished by taking a leadership role in university-wide strategic planning for information systems, creating user engagement, and recommending innovative uses of technology to meet the needs of the university. OIT works to enhance the quality and customer experience of information technology services. OIT responsibilities related to technology services fall within the following domains: "Enterprise Engagement, Enterprise Solutions, Enterprise Technology, and Enterprise Applications."

Our Vision

To be an exemplary service-oriented partner of the students, faculty, staff, and the community of Texas Southern University. Our vision is aligned with the Top 5 Priorities of the University: Student Success

and Completion, Academic Program Quality and Research, Culture, Partnerships, and Finances.

Our Mission

The mission of the Office of Information Technology is to support the mission of Texas Southern University by delivering technology services, solutions and guidance.

Access to all of your technology support services, training, and available resources can be found at: www.tsu.edu/about/administration/office-of-information-technology (<http://www.tsu.edu/about/administration/office-of-information-technology/>).

TSU Online

TSU Online

TSU Online seeks to firmly embed online education and other instructional technologies as key elements of the teaching and learning culture of Texas Southern University (TSU). TSU Online has a broader aim to enhance the University's reputation for teaching excellence and to provide a richly interactive and stimulating learning environment for students, faculty and staff alike. This section highlights TSU Online services,

- Such as the administration of the learning management system (Blackboard Learn), online faculty development, digital content development, integrated publisher content, secure assessments delivery, and course instructional design.

Technology and Coursework Completion

1. Blackboard and Your Course

- All Courses at Texas Southern, whether classroom based or wholly online, may utilize Blackboard for coursework delivery to varying extents depending on the instructor. Online courses are heavily dependent of Blackboard for content delivery, student engagement and interaction, grade reporting, and synchronous/asynchronous lecture delivery. Familiarity with Blackboard is critical to your success as a student. Here are a few things to know about Blackboard for coursework delivery at Texas Southern:

1. The Login URL: <https://texsu.blackboard.com/>

2. The "Using Blackboard @ TSU" resource on the log in page provides a brief orientation video on using blackboard for coursework @ TSU.

1. Coursework Participation

- Both face-to-face and online courses may utilize Blackboard for coursework delivery. This includes ongoing assessments, assignments, tests, and paper submission. It is the responsibility of the student to be mindful of the following:
- **Confirm technical requirements and Workspace:** Online classes can benefit students with busy schedules, but only if they can access the materials. Make sure you will have access to a good working computer with appropriate productivity software suites, reliable internet connection, and an ideal location to take tests and participate in online web conferences as needed.
- **Connect with instructors early:** Send your instructor a note, an email, introducing yourself and what you hope to get out of the class. Share your thoughts and course needs as the semester

progresses. Instructors love to hear from students, however, keep the communication chatter free.

- **Create a schedule:** Familiarize yourself with the full semester schedule and contact your instructor early to see if accommodations can be made if you sense a conflict might occur during the semester. Otherwise, stay on schedule.
- **Stay organized:** Students enrolled in traditional courses usually have a consistent schedule to follow each week, with in-class instruction followed by out-of-class assignments. Find ways to stay on top of your coursework by utilizing tools such as electronic calendars, digital reminders, and other mobile electronic resources that can alert you to pending deadlines.
- **Know your rights:** Students taking online classes have very similar rights as on campus students. Consult your student handbook for more information.

What to Expect When Taking Online Courses at TSU

Online courses at TSU are offered primarily as asynchronous (any time), Web-based instruction. While anytime, anywhere learning increases the accessibility of TSU courses, students should reflect carefully on whether online courses match their learning style and expectations for study. In particular, students should self-assess their level of readiness to learn in an online environment. Online courses are geared for the mature, self-motivated learner. They are not easier or less time-consuming than face-to-face (F2F) courses; many students feel that online courses initially require additional effort to adapt to new modes of course delivery and new ways of interacting with the instructor and fellow students.

Online courses are designed as active and collaborative (including peer-to-peer) learning environments. The instructor will provide his or her expertise through lectures, readings, activities, and discussions with students, serving as a facilitator, and encouraging students to explore and interact with fellow learners to reach new levels of understanding and knowledge. Some instructors may even schedule optional synchronous (a.k.a., real time) meetings to aid students.

Successful peer interactive learning requires regular attendance and participation; students enrolled in online courses are expected to log into the course website frequently (at least four or five times per week). Although asynchronous courses allow for flexibility in how students schedule their class work, activities and assignments often follow a rigorous schedule with firm deadlines. Typically, students will log into their course at the beginning of each week to receive instructions about what learning activities to complete; these activities are often bundled as a "learning module." Over the course of each week, they will be required to complete various activities (e.g., quizzes, exercises, short papers) and participate in online discussions by the dates the instructor has established in the syllabus and weekly learning modules. Students may also work on term projects over the course of the term in addition to weekly assignments.

Throughout the semester, online classroom participation through Web tools such as discussion boards, weblogs, and wikis are expected on a regular basis and often represents a significant portion of the final grade for the course (30 percent or higher in many cases). Students should examine the syllabus closely to determine requirements for the course and weighting of each assignment.

Getting Help and Contacting TSU Online

For assistance with blackboard and other instructional technologies for coursework related activities you may contact TSU Online through any of the following options:

Email: tsuonline@tsu.edu

Call the 24/7 helpdesk @ (713) 313-4357

In Person: Mack H. Hannah Hall 320

General Office Hours: Monday – Friday (8am – 5pm)

The Graduate School

Goals and Objectives

The Graduate School's major goal is to provide an environment that supports the enhancement of research, teaching, and other scholarly pursuits for students seeking advanced degrees in specialized academic disciplines. Through graduate study, high-level scholarship, diligence, and excellence are encouraged and emphasized by the involvement of students in courses, seminars, independent study and research. Graduate degree programs are structured to enable students to obtain education and training in specialized academic subjects. Through these experiences graduates are prepared and can provide leadership and expertise to meet the needs and demands of an ever-evolving, diverse society.

Within the context of these goals, the graduate program of the University seeks to provide an environment wherein the pursuit and appreciation of learning is nourished and enhanced to the maximum extent.

The major objectives of the Graduate School are:

- Provide advanced programs of study in specialized academic disciplines.
- Provide students with knowledge of the concepts and techniques for scholarly research.
- Teach students to anticipate consequences and evaluate the validity of assumptions.
- Prepare students to synthesize the essence of knowledge drawn from several related courses in an academic discipline.
- Train students in the techniques of problem solving through the use of systematic analysis.
- Prepare students to become creative contributors to the advancement of knowledge and to the well being of society.

The objectives of the Graduate School are undergirded by a commitment to intellectual honesty, thoroughness, and accuracy. These virtues are emphasized by the University and apply to faculty and student involvement in courses, seminars, independent study, and research. Graduate degree programs are structured to enable students to obtain specialized as well as interdisciplinary training in the various academic disciplines.

Through legislative mandate, the University and the Graduate School are committed to the development of programs and services that enable students and faculty to study the complex urban milieu and to render service to the urban community. Therefore, an overall goal of the Graduate School is to develop highly trained graduates for service in the public and private sectors with a knowledge of and interest in providing leadership and expertise in the solution of urban problems.

The policies governing admissions and the requirements for qualifying for professional certificates and degrees have been formulated to attract students who have the potential for achieving maximum benefits through an involvement in a graduate program. The ultimate aim is to develop an intellectually oriented individual who appreciates his/her culture and is capable of achieving social, political and economic security as the result of being involved in a graduate program offered by Texas Southern University.

Organization

The Graduate School is organized as an integral unit of the University under the Office of Academic Affairs. The faculty members of the Graduate School are drawn from other component academic units at the University and are responsible for instruction, research, and student academic advising. All graduate programs are administered by the Dean of the Graduate School on the basis of policies and regulations established by the Graduate Council.

The Graduate Council is a standing committee of the University and includes faculty, students and administrative representatives from academic units of the University that have graduate programs. Each unit, including the library and Registrar's Office, has one representative on the Council. Two students are included in the Council membership. Department heads and deans are ex-officio. The Dean of the Graduate School is the Chair of the Council.

Each academic department has faculty members who serve as academic advisers to graduate students. In some departments a graduate coordinator has been named. All graduate advisers function under the policies and regulations approved by the Graduate

Council. Department chairpersons recommend faculty for graduate status and students for assistantships and scholarships. Each department reviews applications for admission to its degree programs and recommends students for admission to the Graduate School. The Dean of the Graduate School takes final action on applications for admission.

Faculty

The faculty of the Graduate School consists of persons who have been approved for graduate faculty status and includes three categories: regular, associate, and special faculty. Regular faculty members are approved for five-year periods, whereas associate faculty members are approved every three years, and, special faculty must be approved each year. Most graduate faculty members have had more than five years of college level teaching experience and have published scholarly books and papers in leading journals. Some are engaged in research projects supported by federal, state, or private grants.

Students

The student population is ethnically diverse and includes persons from most states across the country. A relatively large corps of international students also matriculates in the Graduate School.

Research

The graduate faculty is involved in myriad research projects funded by federal, state, and private grants. Significant research centers on urban and instructional issues. These research activities have resulted in publications in various scholarly journals and books. Effective Fall 2016

Dissertations and Theses are submitted to ProQuest electronically and are available online.

Degrees

The Graduate School offers degrees at the master's and doctoral levels. Master's degree offerings are as follows: Master of Arts, Master of Business Administration, Master of Urban Planning and Environmental Policy, Master of Education, Master of Public Administration, and Master of Science. Doctoral degrees offered through the Graduate School consist of the Doctor of Education with concentrations in Curriculum and Instruction, Counselor Education, and Educational Administration, and the Doctor of Philosophy degree in Administration of Justice, Environmental Toxicology, Pharmaceutical Sciences, and Urban Planning and Environmental Policy.

Programs of Study

Graduate students can select degree programs housed in the University's Colleges and Schools.

In the College of Liberal Arts and Behavioral Sciences, master's degrees are offered in English, history, human services and consumer sciences, psychology, and sociology.

In the School of Communications, a master's degree is offered in speech communication, journalism, and radio television film (RTF).

In the College of Education, master's degrees are offered in educational administration, curriculum and instruction, counseling, and in Health, Kinesiology & Sport Studies as well as doctoral degrees in curriculum and instruction, counselor education, and educational administration.

In the Jesse H. Jones School of Business, master's degrees are offered in management information systems and business administration.

In the College of Science, Engineering and Technology, master's degrees are offered in biology, chemistry, computer science, environmental toxicology, mathematics and transportation, and the Ph.D. is offered in environmental toxicology.

In the College of Pharmacy and Health Sciences, master's degrees are offered in health care administration, pharmaceutical sciences and the Ph.D. is offered in pharmaceutical sciences.

In the Barbara Jordan/Mickey Leland School of Public Affairs, master's degrees are offered in public administration, administration of justice, and urban planning and environmental policy and the Ph.D. is offered in administration of justice and in urban planning and environmental policy.

The master's degree may be earned by either one or two plans: Plan A, with the thesis, or Plan B, without the thesis. In some departments the preparation of an approved thesis is mandatory. The student should consult the department of his or her major, and the student should indicate which plan he or she will follow at the time of matriculation. (See respective department programs for the details of Plan A and Plan B.)

The completion of an approved dissertation is required for the Doctor of Education degree and the Doctor of Philosophy degree.

Each student should complete a degree plan during the first semester of enrollment through consultation with the chairperson of the department.

General Regulations

Each graduate student should understand and adhere to the regulations of the Graduate School, the calendar of events, and the requirements for degrees. It is the responsibility of the graduate student to comply with the regulations and requirements of the Graduate School as stated in the graduate bulletin and in other official documents.

Admission Requirements

Admissions Program Administration

Applications for admission to all graduate degree programs of the University are processed through the Graduate School. The Graduate Admissions Committee within the department reviews all applications, and the decisions of the Committee are referred to the Dean of the Graduate School.

Persons interested in applying for admission to the Graduate School can apply online at: <https://app.applyyourself.com/?id=tsu>

Application materials not submitted online need to be forwarded to:

The Graduate School, Texas Southern University, TSU Box #1254, 3100 Cleburne Avenue, Houston, Texas 77004

Please visit the following link to access Graduate Admission FAQs (Frequently Asked Questions):

<http://www.tsu.edu/faqs/graduate-admission> (<http://www.tsu.edu/faqs/graduate-admission/>)

Procedures and Regulations

All applicants must provide official transcripts to the Graduate School of Texas Southern University. These transcripts must be received directly from each institution in which the applicant has previously enrolled before action can be taken on the application.

International applicants with educational credentials from outside the US are required to provide a detailed course-by-course transcript evaluation from a TSU approved transcript evaluation service provider. International students are also required to submit one of the following for English Language proficiency requirement:

- TOEFL with minimum score of 79
- IELTS with a minimum band score of 6
- DUOLINGO with a minimum overall score of 105

Alternately, an equivalent score from an approved English as a Second Language (ESL) program can be submitted for consideration.

Types of Admission

An applicant who is **unconditionally admitted** to the Graduate School is immediately eligible to pursue a program of study leading to the master's degree, the doctorate, or the professional certificate. Each applicant should choose a field of specialization and work out a degree plan in consultation with his/her adviser.

Applicants may also be **admitted on a conditional basis**; these conditions will be outlined in the applicant's respective admissions letter. It is the responsibility of the applicant to notify the Graduate School when he or she has fulfilled the conditions stated in the admissions letter.

Graduate School Policy regarding GRE (Graduate Record Exam) Requirements

The GRE requirement is determined for each graduate degree program by the academic Department and/or College/School housing the program. The Graduate School will enforce any prevailing policy vis-à-vis GRE requirement for admission to the program.

Doctoral Programs

For all Doctoral Programs (Ph.D. and EDD) applicants **MUST** submit a valid and acceptable GRE score. Applications for Doctoral Programs will **NOT** be processed without an official GRE score on file with the Graduate School at Texas Southern University. Doctoral program applicants are **NOT** eligible for conditional admission appertaining to later submission of a valid and acceptable GRE score.

Masters Programs

For Masters Programs the Program, Department and/or the College/School will specify the GRE requirement, or in the case of the School of Business, the GMAT requirement. If a Masters Program requires the GRE, applicants **must** submit a valid and acceptable GRE score. Applications for Masters Programs requiring the GRE will **not** be processed without an official GRE score on file with the Graduate School at Texas Southern University. The same applies to any Business Graduate programs requiring the GMAT. Masters program applicants for programs requiring the GRE are **not** eligible for conditional admission appertaining to later submission of a valid and acceptable GRE score. The same applies to any Business Graduate programs requiring the GMAT.

Seniors in Graduate Courses

A senior at Texas Southern University who demonstrates superior scholastic ability and needs fewer than 12 semester hours to complete the bachelor's degree may be permitted to take graduate courses. The head of the major department, the Dean of the undergraduate college, and the Dean of the Graduate School must approve requests from seniors for permission to take graduate courses. Permission to take graduate courses during the senior year does not constitute admission to the Graduate School. Moreover, such credits may not be applied toward fulfillment of the residence requirement for the master's degree. No more than six (6) semester hours of graduate course work may be taken by seniors.

Readmission

A student who discontinues matriculation in the Graduate School for one academic year must apply for readmission. The evaluation of applications for readmission will be based on University and specific program admission requirements in existence at the time of the re-admission application.

Admission and Enrollment

Unconditional Admission

For unconditional admission to the Graduate School as a Degree Applicant, the applicant must meet all of the following conditions:

1. Graduation with the bachelor's degree, or its equivalent, from an accredited college or university. An example of the "equivalent," as indicated above may be an international student who has graduated from a college or university that issues a diploma or certificate instead of a degree.

2. A satisfactory undergraduate sequence of courses for the proposed degree.
3. A grade point average (GPA) in all undergraduate work of 2.50 or better or a grade point average (GPA) of 3.0 on the last 60 semester hours of undergraduate course work (GPA on a 4 point scale).
4. Subject to program requirement - a score on the aptitude section of the Graduate Record Examination (GRE), or GMAT, which will be used in conjunction with other admission factors.
5. If the applicant is an international student a TOEFL score of at least 550 on the paper based test or 213 on the computer based test or 79 on the Internet based test is required. An official IELTS score can be submitted in lieu of TOEFL in which case a minimum overall band score of 6.0 is required.
6. Evidence of meeting English Proficiency requirement as required by the Graduate School and/or detailed by program of study.

Conditional Admission

Conditional admission to graduate degree programs may be permitted for those applicants who do not satisfy all of the requirements for unconditional admission. Please note that for programs requiring a GRE or GMAT score there is no consideration for conditional admission unless a valid official copy of the score has been received. Final disposition of cases involving students who have been admitted on condition rests with the appropriate department and the Dean of the Graduate School.

Non-Degree Admission

Individuals with baccalaureate degrees who wish either to improve their credentials before application to a graduate degree program or to enhance their career prospects through additional training may apply for admission to the Graduate School as non-degree seeking students. Students must apply to a particular program as a non-degree seeking student. Not all programs have the capacity to accept non-degree students, and some courses will not be available to non-degree students. To apply as a non-degree student, an applicant must

- Submit an application with the required fee.
- Have a copy of the official transcripts for all previous undergraduate and graduate work sent directly to the Graduate School office (Students with degrees from non-U.S. institutions must submit an evaluation of a verified copy of their transcript showing all courses taken and their equivalents)
- Be approved for admission as a non-degree student by the program to which they apply.

In order to gain admission to a degree program, non-degree students must reapply for regular admission. No more than 12 hours of graduate credit earned as a non-degree student may be applied towards a graduate degree.

Responsibility for Admission

The appropriate department will make the recommendation for admission. Recommendations for admissions are submitted to the Dean of the Graduate School for final action.

All graduate students engaged in independent study or in research related to the preparation of a thesis or dissertation must be enrolled at Texas Southern University for a minimum of three (3) semester hours during each semester or summer session in which the study or research occurs.

With the exception of students who must remove incomplete grades, all graduate students must be enrolled at Texas Southern University during the semester wherein degree program requirements are expected to be completed. The requirements include but are not limited to the English Proficiency Requirement, the Comprehensive Examination in the major and/or minor areas, the Foreign Language Examination, the Thesis or Dissertation Examination, and the Final Doctoral Examination.

Advising

Academic advising is an integral and necessary part of the higher education process. Faculty advisors in the academic departments have the responsibility of advising those students who have met all admission requirements and are enrolled in the department's degree programs based on:

1. the most current information available to them about departmental, college, and university requirements and
2. students' interests, needs, and abilities.

All graduate students are assigned advisors by their department.

Specific responsibilities of advisors include

- Helping students to define and develop realistic goals.
- Matching students to available resources.
- Assisting students in planning programs of study consistent with their abilities.
- Helping students monitor their progress toward graduation.

Although academic advisors will assist students in every way possible, students are expected to accept full responsibility for their academic programs of study, including the satisfactory completion of all requirements.

Registration Policies and Procedures

All students must register by the beginning of each semester or term. Each student is assigned a faculty advisor, who assists in planning a program of study. Complete registration instructions are contained in the schedule of classes each semester or term. Students are registered for and entitled to attend classes only when they have completed the prescribed procedures, including the payment of fees, which is a part of registration. **A student is not registered with the University and therefore not entitled to University privileges until fees are paid. All unpaid course selections will be purged from the database of student records after the twentieth (20th) class day during a regular semester and after the fourth (4th) class day during a summer term.**

Students planning to return to the campus after an absence of one year or after earning credits at another institution are required to apply for re-admission and have transcripts mailed from the schools attended.

Registration and Payment of Fees

Official registration days for each semester and each term of the summer session are indicated in the University Calendar. Students are required to provide their transcripts for use by counselors in preparing their schedules each semester.

Registration is not complete until tuition and fees are paid. Students with unpaid fees are not entitled to University privileges. Students are required to have sufficient funds to cover all required tuition, fees, and deposits.

Auditing

With the consent of both the chair of the administering department and the course instructor, a student may audit a course. Auditors shall be registered, shall receive no credit for audited courses, and shall pay the same fees as a student enrolled for credit.

Credit by Examination

Credit by examination is not allowed for graduate programs.

Concurrent Enrollment

A student concurrently enrolled at Texas Southern University and another college or university may receive total credit for no more than the maximum allowable Texas Southern University load for any given semester or term. In each semester of concurrent enrollment, the student must verify with his or her advisor that the other institution's courses qualify for transfer, notify the Office of Financial Aid at both Texas Southern University and the other institution, and submit the signed agreement form to the Registrar's Office.

Official Enrollment in Class

A student may not attend a class after the first week of classes unless he or she is properly registered for that course and section. Failure to follow proper registration procedures may jeopardize that student's good standing at the University and result in loss of funds and credit. Instructors' class rolls are prepared from the official enrollment records of the Registrar. A student whose name does not appear on the class rolls should contact the Registrar's Office to verify his or her proper registration.

Discontinued Classes

The University reserves the right, when necessary, to discontinue classes or to alter otherwise the schedule. If a class is discontinued, students will be notified at the first scheduled class meeting, whenever possible, so that they may register for alternate courses. Students who are enrolled in a discontinued class must officially drop the course; students who wish to enroll in another section or another course must immediately and officially carry out the drop and add process.

Academic Regulations

Student Course Load

To be considered full-time, a student must register for at least nine (9) semester hours of graduate work per semester; the maximum load is fifteen (15) semester hours of graduate. Any deviation from this regulation requires the approval of the Dean of the Graduate School. The maximum student course load during a summer term is six (6) semester hours. Those students who hold graduate assistantships, are employed either full or part-time, or have extended responsibilities in the home or community may be restricted to a course load of no more than nine (9) semester hours per semester.

Full-Time Student Status When Working On Thesis/Dissertation

In general, Graduate students enrolled in nine or more credit hours per semester are considered full time; however, the following exceptions apply:

Masters Degree Program

After completing all required course work and qualifying exams, a master's student may be considered full-time while enrolled in a 3 credit hour thesis course. This full time status can be maintained for two semesters of uninterrupted enrollment without skipping a regular semester (Fall or Spring).

Doctoral Degree Program

After entering candidacy status, a doctoral student may be considered full-time while enrolled in a 3 credit hour dissertation course. Doctoral candidates may maintain full-time status via this enrollment option provided that (i) enrollment is uninterrupted without skipping regular semesters (Fall or Spring); and (ii) until completion of the total number of dissertation credit hours designated by their program and included on their degree plan.

International Graduate Students

In addition to the above requirements, International students must have completed all course work (masters or doctoral) and must have a signed and dated letter of approval/support from their academic advisor for each semester of such enrollment. A copy of the letter must be forwarded to the International Programs Office and the Graduate School.

Please note that this enrollment option cannot be used to extend the time to degree completion as stipulated for the graduate degree program.

Repeated Courses

When a course is repeated, the semester hours attempted and the grade and quality points earned in the course when last taken shall be counted toward satisfying graduation and/or certification requirements unless the course is designated in the bulletin as one that may be taken more than once for credit. When a course is repeated, the semester hours attempted and the grade and quality points earned in the course when it was taken prior to the last time shall be disregarded for graduation or certification requirements.

Substitution of Courses

Reasonable and logical substitutions (within a department and within an area) may be made when authorized by the advisor and the head of the major department and approved by the Dean of the Graduate School. The Dean shall transmit approved substitutions to the Registrar. All petitions for substitutions must be submitted through appropriate officials not later than six weeks before the candidate's date of intended graduation.

Waiving of Courses

No graduate course requirements will be waived.

Class Attendance Regulations

All students are required to be present for all class meetings of any course in which they are enrolled. Students are responsible for learning about, becoming knowledgeable of, and complying with the attendance policy stated in the catalog and/or faculty syllabus. Faculty members will provide details on the rules for attendance in their classes in their course syllabi. Faculty members will keep students' attendance records.

Record keeping

A record of excused and unexcused absences will be maintained by faculty members. When requested by the student, teachers must inform

the student who has been absent whether or not make-up work is allowed and whether or not absences jeopardize the student's standing in a class.

Nonattendance

Students who register for courses for a particular semester must attend their classes starting on the first day of class. Students who have not attended classes up to the 12th day of classes will be reported to the Registrar's office for nonattendance. A student who is reported for nonattendance will be dropped from those classes which he or she has not attended. Students who have supporting documentation offering explanation for their absence(s) must present their documentation to the instructor who reported them for nonattendance. The instructor may evaluate their supporting documentation and hear their case. If the request for consideration is denied, the student will have to reregister for the course as early as the next semester the class is available. If the instructor approves the student for reinstatement, the instructor shall submit a written request for the student's reinstatement to the Dean of the School or College offering the course. If the Dean approves the request for reinstatement, he or she will submit a written request to the Registrar's Office for the student's reinstatement.

Change of Program

A student in a graduate department of the University who can satisfy admission requirements of another graduate department may transfer to it with the approval of the department chairs concerned.

Changes in Class Schedule (Adds, Drops, and Withdrawals)

A student may make changes in class schedules with the approval of his faculty advisor and of the department in which the course is offered. **A service fee is charged for each change in program.**

Course changes must be made in person under the following conditions:

Adding courses. In adding courses, the student must obtain the approval of his or her faculty advisor and the department in which the course is offered.

Dropping courses. A student may, for good cause, drop a course with the approval of his or her faculty advisor and the department in which the course is offered under the following provisions:

During the first twelve days of any semester or the first four days of a summer term, a student may drop a course without having a grade recorded for the course.

After the twelfth or fourth class day, a student may drop a course without penalty prior to the published deadline. A grade of W will be recorded.

After the published deadline, a student will be permitted to drop a course only upon approval of the student's Dean and only for urgent and substantiated nonacademic reasons acceptable to the Dean.

Withdrawal

To insure his or her possible future standing with the University, a student has the right to withdraw officially. A student wishing to withdraw from the University for the remainder of a session should apply to the Dean of his or her school or college for permission. Having secured the Dean's permission, the student may receive honorable dismissal through the Registrar's Office after he or she has returned all library books, surrendered his or her activity books, and cleared himself or herself with

all offices at the University. A student failing to do these things will not be eligible for restitution of any fees.

Reinstatement

Students who are administratively withdrawn from their classes because of non-payment of tuition and fees may petition for reinstatement if and only if extraordinary circumstances prevail. Students may obtain the prescribed form in the Registrar's Office and must return the petition with evidence of suitable payment options. The Registrar's Office reviews all such petitions on a case-by-case basis. All approved petitions are subject to a late payment fee and a reinstatement fee.

Academic Standards for All Graduate Students

Scholastic Dishonesty

Students must maintain a high standard of honesty in their academic work. They should avoid all forms of academic dishonesty, especially the following:

- **Plagiarism.** The appropriation of passages, either word for word (or in substance) from the writing of another and the incorporation of these as one's own written work offered for credit.
- **Collusion.** Working with another person in the preparation of notes, themes, reports, or other written work offered for credit unless such collaboration is specially approved in advance by the instructor.
- **Cheating on an examination or quiz.** Giving or receiving, offering or soliciting information, or using prepared material in an examination or testing situation. On examinations and quizzes, students are expected (a) to remain in the examination room until the examination is finished, (b) to refrain from talking, and (c) to refrain from bringing notes, books, devices, etc. into the examination room unless otherwise instructed.
- **Impersonation.** Allowing another person to attend classes, take examinations or to do graded assignments for an enrolled student under his or her name is strictly forbidden.

A violator of any of the above offenses will incur severe disciplinary action ranging from suspension to expulsion from the University. Specific guidelines will be administered by each Dean.

Standard of Work

The minimum graduate grade point average (GPA) required by the University for awarding a graduate degree is 3.00 for all credit work taken by the student as part of an approved graduate program of study.

No more than six (6) semester hours of "C" work will be accepted toward the completion of the minimum semester hours of required courses in the master's or doctoral curriculum wherein a student's program of study has been approved. A grade of "C-" or lower is not acceptable toward the fulfillment of degree requirements for any course for any graduate degree program.

Regardless of the admission status, each student enrolled in the Graduate School is expected to maintain at least a 3.00 (B) grade point average in all graduate work.

If at the end of any semester or summer session the student's cumulative graduate grade point average (GPA) for all graduate work is less than

3.00 (B), the student will be placed on probation (Academic Probation 1st Time).

A graduate student on probation who fails to achieve a graduate grade point average of 3.0 or better during the next semester or summer session of enrollment and fails to achieve an overall graduate grade point average of 3.00 (B) will be placed on academic suspension through the next full semester (Fall or Spring - summer terms do not apply).

A graduate student on probation who achieves a graduate grade point average of 3.0 or better during the next semester or summer session of enrollment but fails to achieve an overall graduate grade point average of 3.00 (B) will remain on probation (Academic Probation 2nd Time).

If a student on academic probation fails to raise his/her overall cumulative graduate grade point average to 3.00 (B) or better for two consecutive semesters or summer sessions of enrollment, he/she will be placed on academic suspension through the next full semester (Fall or Spring - summer terms do not apply).

A student who fails to achieve a 3.00 overall GPA in the next semester of enrollment following academic suspension will be disqualified as a degree-seeking student and will be dismissed from the Graduate School.

Regardless of overall graduate grade point average (GPA) a student who fails all graduate classes registered for during any given semester including summer sessions is automatically dismissed from the program and from the Graduate School.

A student may appeal for a one semester extension after suspension or dismissal. The student's academic unit will decide whether or not to support the extension and forward it to the Graduate School. The decision of the Graduate School will be final.

After dismissal from the Graduate School, the student may petition for readmission consideration to the same graduate degree program. A student who has been dismissed must sit out a minimum of a full semester (Fall or Spring - summer terms do not apply) and can only be readmitted for a subsequent full semester (Fall or Spring - summer terms do not apply).

If readmission is approved by the Dean of the School or College housing the graduate degree program and the Dean of the Graduate School, the student will be readmitted with probationary status (Academic Probation 2nd Time). Should the student fail to achieve the graduate GPA requirements during the first semester of readmission the student will be expelled from the program and dismissed from the Graduate School.

Schools and Colleges may have additional policies and procedures pertaining to satisfactory Academic Progression, and, for readmission from academic suspension or dismissal. These standards may be higher than the standards of the Graduate School, as set out above, but they may not be lower.

Course Numbers

Courses numbered 500 and above are graduate courses and, with rare exceptions, restricted to graduate students. Undergraduate courses, marked at the right of the course number by an asterisk, may be taken for graduate credit. At least 75% of the course work for the degree must be 500 level or above. No credit below the 500 level is acceptable for doctoral degrees.

In order to receive graduate credit for courses open to both undergraduate and graduate students, the graduate student must

perform work of graduate quality and may be required to perform work in addition to that required for the undergraduate student.

The semester-hour requirement for specific degrees and for the professional certificate, where offered, is given in the departmental section of this bulletin.

Grading

The following grades and quality points apply:

Grade	Meaning	Grade or Quality Points Per Credit
A	Excellent	4.00
A-	Intermediate Grade	3.67
B+	Intermediate Good	3.33
B	Good	3.00
B-	Intermediate Grade	2.67
C+	Intermediate Grade	2.33
C	Satisfactory	2.00
C-	Intermediate Grade	1.67
D+	Intermediate Grade	1.33
D	Marginal	1.00
D-	Intermediate Grade	0.67
F	Failure	0
I	Incomplete	0
P	Passing	0
R	In Progress	0
S	Satisfactory	0
U	Unsatisfactory	0
W	Withdrawal	0

The grade "R", meaning "In Progress", is given only when the work in a course extends beyond the semester term. It implies satisfactory performance. The grade "R" will not alter the quality point average of the student inasmuch as hours attempted, hours earned, and quality points earned will not be entered in cumulative totals.

Dissertation or Thesis research courses receive grades of satisfactory or unsatisfactory only (S or U). Grades are assigned only after the defense of the dissertation or thesis. A successful defense and submission of the dissertation or thesis requires the supervising member of faculty to assign a satisfactory grade for the appropriate research courses.

An S grade will not factor into GPA computation.

The grade "W" is given for a course officially dropped by the student after the twelfth class day of a regular semester or the fourth day of a summer term and before mid-semester or midterm.

Incompletes

The grade of "I" is given only when a student's work is satisfactory in quality, but because of reasons beyond his or her control, the work has not been completed. The missing work may be a major quiz, a final examination, a term paper, or other work. It is not given in lieu of an "F." The instructor will stipulate, in writing, at the time the grade is given the conditions under which the "I" may be removed. This temporary grade of "I" is non-punitive, and semester hours for the course are not considered in the computation of the quality-point average. Removal must be within one calendar year after the "I" is assigned, or the "I" grade shall become

an "F." The grade "I" is not assigned if the student must retake the course. In the event a student who earns a grade of "I" decides to retake the course, the student is required to pay for that course a second time.

Academic Grievances

Purpose

The following procedures are designed to provide a means for graduate students to petition for review of final course grades alleged to be incorrect. Before filing a formal appeal, students are urged to resolve grievances informally with the instructor of the course. Students filing a written appeal shall be expected to abide by the final decision of the committee to which it is submitted, as provided for in these procedures. This decision precludes any further review under any other procedure within the University.

Conditions

A student may seek a review of a final grade if he or she feels that one of the following conditions applies: A grade was assigned on some basis other than performance in the course, or the standards applied to a grade were not the same as those applied to the standards of other students in the course, or the assigned grade represents a substantial and unannounced departure from the instructor's previously stated standards.

Procedures

A student who feels that his or her grade is incorrect should follow one or all of the following:

Confer promptly with the instructor of the course.

If the instructor is unavailable and cannot be reached by the student after a reasonable effort, then the student shall consult with the chair of the department offering the course.

If the student and instructor or department chair are unable to arrive at a mutually agreeable solution, the student may file an appeal within twenty (20) days after the first day of class of the next semester (not including summers) with a standing committee of three (3) tenured faculty members of the department offering the course.

If the instructor of the course is a member of the committee, he or she shall be replaced by a tenured faculty member selected by the chair of the department.

File an appeal by submitting to the departmental committee a detailed statement regarding the alleged improper grade as well as any relevant evidence. The appeal shall be dismissed if the student has submitted the same or substantially the same complaint to any other grade review procedure, the appeal is not timely, or the student has not conferred with the instructor or department chair before filing the appeal.

Allow the departmental committee to take action. If the appeal is not dismissed, the committee shall submit a copy of the student's written appeal to the instructor with a request for a prompt written reply.

Work toward a mutually agreeable solution in concert with the committee and the instructor. If a mutually agreeable solution is not achieved, the committee shall advise both the student and the instructor that the matter has been sent to the Dean of the academic unit offering the course. The Dean of the academic unit shall convene a committee of three (3) tenured faculty members from departments outside of the

department offering the course. This committee shall hold an informal, non-adversarial fact-finding meeting concerning the dispute. Both the student and the instructor shall be entitled to be present throughout this meeting and to present any evidence deemed relevant, except the student shall not be present during the discussion of any other student. Neither the student nor the instructor shall be accompanied by counsel, an advocate, or a representative. The meeting shall be closed to the public. After the fact-finding meeting, if the majority of the committee finds that the evidence supports the student's complaint, the committee shall take any action thought to rectify the situation, including, but not limited to:

- directing the instructor to re-grade the student's work,
- directing the instructor to administer a new final examination or paper in the course,
- directing the cancellation of the student's registration in the course, or
- if no reasonable alternative is available, directing the instructor to award a grade of "pass" in the course.

The committee is not authorized to award a letter grade, or to reprimand, or otherwise take disciplinary action against the instructor. The decision of the committee is final and shall be promptly reported in writing to the parties involved. The Dean of the academic unit has the responsibility for implementing the decision of the committee.

In the event that the Department does not and/or is not able to convene a committee to review the grade appeal the student may appeal directly to the Dean of the Graduate School. If necessary, the Dean of the Graduate School will appoint a committee of three graduate faculty members to review the grade appeal. Once appointed the committee will review the grade appeal as outlined above and the decision of the committee is final and shall be promptly reported in writing to the parties involved. The Dean of the academic unit has the responsibility for implementing the decision of the committee.

For other grievances concerning procedures and processes directly concerning graduate students, the procedure is the same with the exception that if the departmental committee fails to achieve a mutually satisfactory solution, the committee or the student may appeal directly to the Dean of the Graduate School. The Dean of the Graduate School will attempt to resolve the issue through consultation. If the consultation fails to produce a mutually satisfactory outcome, the Dean will appoint a committee made up of regular graduate faculty from outside the department in question to conduct an inquiry. The committee will hear from all parties concerned. Its decision will be final.

Graduation Requirements

Requirements for Graduation

Students must complete all requirements for the respective degree as outlined by the academic department and the Graduate School before graduation. An application for graduation must be submitted before the University deadline. Students should consult the University calendar for the deadline dates for each semester.

Advisors and Degree Plan

At the time of matriculation, the student will be assigned to a program advisor, who will have general supervision of the student's graduate work. The advisor will assist the student in filling out the Degree Plan, an approved copy of which must be filed in the Graduate Office by the

end of the student's first semester of matriculation at Texas Southern University. When a student enrolls for courses, his or her program must have the written approval of the advisor. The chairman of the department serves as the general advisor for students in the department and should be consulted prior to the submission of the degree plan to the Graduate School.

Students who take courses without the approval of their advisors do so at their own risk and may not be permitted to include them in their degree or professional certificate plans.

Residency Requirement

A residence of at least one academic year or its equivalent is required.

Admission to Degree Candidacy

Admission to study in the Graduate School does not imply acceptance as a candidate for a degree. To become a candidate for the graduate degree or for a professional certificate, the student must have satisfactorily completed all admission requirements and have an approved degree plan. He or she must also have satisfied the English Proficiency requirement; demonstrated proficiency in a foreign language, if required; passed the qualifying examination, if required; completed at least twelve (12) semester hours of graduate work, and be recommended to candidacy by the advisor and head of the department.

Transfer of Credit

A student wishing to secure credit toward a master's degree or professional certificate at Texas Southern University for courses taken at another institution must make application to the Dean of the Graduate School. Approved courses are entered on the student's record in the Registrar's Office. Credits transferred from approved extension schools and/or from another institution may not exceed six semester hours and must be graduate credits and have a grade of "B" (3.00) or better. Approved courses must not exceed the six-(6) year time limit when the student applies for graduation.

Transfer work from other institutions will not be used in computing the quality point average for graduation or certification.

No course counted toward another degree may be counted toward a master's degree, either directly or by substitution.

Work done for the master's degree may be included in the work for the doctoral degree, provided it is acceptable to the Department, the supervising committee, and the Graduate School and providing it has not already been used towards another doctoral degree. Up to 24 hours of work towards a master's degree can be used to satisfy requirements towards a doctoral degree. Programs will submit a degree plan for each doctoral student indicating which specific courses on the student's transcript will replace which specific courses in the program's curriculum. Generally, master's thesis courses, internship courses, and practicum courses may not be counted as fulfilling doctoral requirements.

Workshop Credit

No more than six semester hours of approved graduate workshop credit may count toward the semester hours required for a degree or professional certificate.

Examinations for Master's Degree Students

The English Proficiency Examination

Each student who is admitted to a graduate degree or certificate program must satisfy the English proficiency requirement of the Graduate School as determined by the student's department.

The Comprehensive Examination

For degree or certificate programs requiring comprehensive examinations each degree or certificate applicant is required to pass the requisite comprehensive examination, either oral or written (or both). Programs may specifically limit the number of attempts that a student can make to pass the comprehensive examination. If the program does not specify a limit graduate students will be allowed a maximum of three attempts to pass any requisite comprehensive exam.

The Foreign Language Examination

The passing of a reading examination in one foreign language is required of degree applicants in those departments requiring a language. English is considered as a foreign language for foreign students who have received their precollege and college education in a non-English language.

Time Limit for the Master's Degree

Credits earned more than six years prior to the date of completion of master's degree requirements at Texas Southern University cannot be accepted toward the satisfaction of master's degree requirements. All courses which are submitted to satisfy the semester-hour requirement for the master's degree or the professional certificate in a program requiring thirty (30) to thirty-six (36) credit hours.

Thirty-six (36) semester hours must have been taken within a six-year period from the date of initial admission to the Graduate School. All programs in excess of 36 semester hours must have been taken within a seven-year period from the date of initial admission to the Graduate School. This requirement applies to residence, extension, and transfer work, including work in the major and minor areas. Courses that fall beyond the time limit must be repeated.

Online Submission of Electronic Copy of Thesis/Dissertation

Graduate students submitting a thesis or dissertation in fulfillment of their degree requirements must submit electronic copies of their thesis/dissertation via the Texas Southern University Graduate School electronic submission portal. Electronic submission of thesis or dissertation via the designated ETD (Electronic Thesis Dissertation) portal is a mandatory requirement for graduation. Students will not be cleared for graduation pending submission of acceptable electronic copies of their thesis or dissertation draft(s) and final copy as required by the Graduate School.

Examinations for Doctoral Degree Students

Comprehensive Examination

Toward the end of the course work for the program, the candidate takes a comprehensive examination. The test must be judged a "pass" by the examination committee in order that the candidate may be recommended to candidacy for the degree.

Each part of the examination will be graded by at least two readers. Both readers must agree on at least a "pass" rating for a "pass" evaluation. For an "honors" rating, both readers must agree on an "honors" score. If one reader gives a "fail" rating and the other gives a "pass" rating, then a third reader will be appointed. The student must take all sections of the examination when taken for the first time. During each subsequent examination, if needed, a student must take a test in all sections of the examination he/she failed to pass in the preceding attempt.

A doctoral student who fails the comprehensive examination the second time may petition for a third examination, and the petition must show a plan of action wherein the petitioner will endeavor to improve his/her chances for satisfactorily completing the examination failed. The chairperson of the student's doctoral committee, the department head, the Dean of the relevant college or school, and the Dean of the Graduate School must approve the petition. A student who fails to pass the doctoral comprehensive examination or any part of it after the third attempt will be automatically discontinued as a student in the relevant doctoral program.

Dissertation Examination

The Dean of the Graduate School will appoint the student's dissertation committee upon the recommendation of the department and will include an external graduate representative. There will be at least three members on the final oral examination committee. Certification of successful completion of the final oral examination of the dissertation requires the signature of all members of the dissertation committee. The examination is conducted by the department, and if it is failed, the candidate must petition the Dean of the Graduate School through his/her department for permission to take the examination a second time. A second examination will not be permitted within a period of one semester after a failure on the first attempt is recorded. All changes in the dissertation suggested by the committee after the oral examination must be made before the dissertation can receive the final approval of the Graduate School. This paper must accompany the dissertation when it is presented to the members of the committee. In addition, an abstract not exceeding 350 words must be prepared for submission to the relevant cataloguing organization.

Transfer of Credit

The following regulation governs acceptance of transfer credits:

To transfer doctoral credits from another university to Texas Southern University, an official transcript must be submitted to the Texas Southern University Graduate School office by the graduate dean, registrar or department head at the institution from which the credits are being transferred together with a statement, indicating that the credits were earned in a doctoral program of study at that institution. No more than 15 semester hours of "B" (3.0) grade or better may be transferred.

Time Limit for the Doctor of Education Degree

After being admitted to a program leading to the Doctor of Education degree, a student will be allowed seven calendar years wherein to complete all of the requirements for the degree, including transferred credit and prior credit at Texas Southern University.

Continuation in the doctoral degree program beyond the seven-year limit must be approved by the student's doctoral degree advisory committee and the Dean of the Graduate School. The maximum time allowed to complete the doctoral program, including an approved extension, is **eight calendar years**. This time limit does not include work performed as part of the requirements for a master's degree. Credits earned more than seven

years prior to the date of completion of doctoral degree requirements at Texas Southern University cannot count toward the satisfaction of doctoral degree requirements.

Time Limit for the Doctor of Philosophy Degree

After being admitted to a program leading to the Doctor of Philosophy degree, a student will be allowed **seven calendar years** to complete all of the requirements for the degree, this time limit includes transferred credit and prior credit earned at Texas Southern University.

A student's doctoral degree advisory committee and the Dean of the Graduate School must approve continuation in the doctoral degree program beyond the seven-year limit. The maximum time allowed to complete the doctoral program including an approved extension is nine calendar years. This time limit does not include work performed as part of the requirements for a master's degree.

Online Submission of Electronic Copy of Thesis/Dissertation

Graduate students submitting a thesis or dissertation in fulfillment of their degree requirements must submit electronic copies of their thesis/dissertation via the Texas Southern University Graduate School electronic submission portal. Electronic submission of thesis or dissertation via the designated ETD (Electronic Thesis Dissertation) portal is a mandatory requirement for graduation. Students will not be cleared for graduation pending submission of acceptable electronic copies of their thesis or dissertation draft(s) and final copy as required by the Graduate School.

Application for Graduation

Each candidate for graduation must submit a graduation application by the graduation application submission deadline for any give semester. Any student who fails to graduate after applying for graduation must submit a new application to graduate in a subsequent semester.

Graduation under a Specific Bulletin

The student may elect to graduate under the bulletin in force at the time of his or her initial matriculation in the Graduate School, provided that the bulletin was not issued more than six (6) years (seven (7) years for doctoral programs) prior to the date of the student's graduation. The student is required to indicate in his/her application for graduation the bulletin under which the student proposes to graduate and must meet the requirements in that bulletin.

Commencement Convocation

All graduating students are eligible to participate in the commencement exercises designated for their graduating class.

Financial Clearance

Students who are indebted to the University will not be allowed to receive their diploma. Such obligations include traffic and parking fines, library fines, housing fees, and any miscellaneous fees. Students who are uncertain concerning the status of their indebtedness should check with the Bursar's Office prior to final examinations. If there is a dispute concerning payment of a bill, receipts should be presented to verify payment.

Graduation Fees

The graduation application fee for graduate students is \$50.00. Additional processing fees including processing fees for thesis or

dissertation may apply. Graduation application fees are subject to change.

Commencement

Commencement exercises are held each year in May and in December. Students graduating in the Spring semester participate in the May commencement. Students graduating in Summer participate in the subsequent December commencement. Students graduating in the Fall semester participate in the December commencement.

Commencement is a solemn and special occasion in the lives of students, and they are expected to behave in a manner commensurate with the magnitude of the occasion. While attending commencement exercises, students and their guests are expected to maintain decorum that is reasonable and befitting of a public event of special significance. Because commencement exercises are formal events, graduates are expected to abide by the University's policy on appropriate attire that is announced in advance of the ceremonies.

Generation of Student Transcripts

Students may submit a written request to the Registrar's Office for official transcripts of coursework indicating each course attempted, each grade earned, and credit hours associated with each course. Each request requires a processing fee.

Student records (transcripts) will not be released under the following circumstances:

- All student records are not on file in the University Registrar's Office.
- The requesting student has not cleared all bills (academic or financial).
- The requesting student has a record hold imposed by the Office of Financial Aid or the Office of General Counsel.
- The requesting student has any other University hold.
- The requesting student has not paid the transcript fee.

In the event that a student experiences a legal change of name, he or she should submit a completed Name Change Request Form and official documentation of the change. The Registrar's Office will record a copy of the required documentation, which may include, but is not limited to marriage license, divorce decree, court document, passport, and naturalization certificate.

Right to Privacy

FERPA

Notification of Rights Under The Family Educational Rights and Privacy Act (FERPA)

The Family Educational Rights and Privacy Act (FERPA) affords students certain rights with respect to their education records. These rights include:

1. Upon a request of a properly qualified individual, access to a student's education record shall be granted within a reasonable period of time, not to exceed 45 days. A student should submit to the registrar, dean, head of the academic department, or other appropriate official, a written request that identifies the education record(s) to inspect and

review. The University official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the education records are not maintained by the University official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.

2. A student whose education records are covered by this notification may ask the University to amend the student's education record if the student believes it contains information that is inaccurate, misleading, or otherwise in violation of the student's privacy rights under FERPA. A student who wishes to ask the University to amend a record should write the University official responsible for the record, clearly identify the part of the record the student wants changed and specify why it should be changed. If the University decides not to amend the record as requested by the student, the University will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.
3. Personally identifiable information ("PII") in education records shall not be release without the written consent of the student, except to the following: (i) University officials who have legitimate educational interests, including a person employed by the University in an administrative, supervisory, academic, research, support staff position (including law enforcement unit personnel and health staff); a person serving on the Board of Regents; a student serving on an official committee (such as a disciplinary or grievance committee); an external volunteer or contractor who performs an institutional service or function for which the University would otherwise use its own employees and who is under the direct control of the University with respect to the use and maintenance of PII (such as an attorney, auditor, or collection agent or a student volunteering to assist another University official in performing his or her tasks) (see §99.31(a)(1)); (ii) officials of another postsecondary school in which a student seeks or intends to enroll, or where the student is already enrolled so long as the disclosure is for purposes related to the student's enrollment or transfer (see §99.31(a)(2)); and (iii) other categories under paragraph number 7.
4. The University may release directory information without consent upon public notice of: (i) the types of personally identifiable information that it has designated as directory information; (ii) the right of the student to refuse to permit the University to designate any or all of that information about the student as directory information; and (iii) the period of time within which the student must notify the University in writing that he or she does not want any or all of those types of information about the student designated as directory information.
5. Under FERPA, the University defines "directory information" as information contained in an education record of student that would not generally be considered harmful or invasion of privacy if disclosed. Directory information includes student's name, address, telephone number, electronic mail address, photograph, date and place of birth, weight and height of members of the athletic teams, participation in officially recognized activities and sports, enrollment status, dates of attendance, educational institution most recently attended, and (9) other information (such as major field of study, degrees earned, and awards received).
6. If a student objects to the release of directory information, the student must notify the Office of the Registrar, E.O. Bell Hall, 3100 Cleburne Avenue, Houston, TX 77004, in writing or by completing the Request to Withhold Public Information form, during the first twelve (12) days of class during a regular semester (fall or spring) or the first four (4) days of class during a summer term, to ensure that information is not released by the University or published in the Student Directory. Students are responsible for requesting the release of their information once a request for withholding "directory information" has been placed on record.
7. FERPA permits the disclosure of PII from students' education records, without consent of the student, if the disclosure meets certain conditions found in §99.31 of the FERPA regulations. A postsecondary institution may disclose PII from the education records without obtaining prior written consent of the student:
 - To authorized representatives of the U.S. Comptroller General, the U.S. Attorney General, the U.S. Secretary of Education, or State and local educational authorities, such as a State postsecondary authority that is responsible for supervising the University's State-supported education programs. Disclosures under this provision may be made, subject to the requirements of §99.35, in connection with an audit or evaluation of Federal- or State-supported education programs, or for the enforcement of or compliance with federal legal requirements that relate to those programs. These entities may make further disclosures of PII to outside entities that are designated by them as their authorized representatives to conduct any audit, evaluation, or enforcement or compliance activity on their behalf. (§§99.31(a)(3) and 99.35);
 - In connection with financial aid for which the student has applied or which the student has received, if the information is necessary to determine eligibility for the aid, determine the amount of the aid, determine the conditions of the aid, or enforce the terms and conditions of the aid. (§99.31(a)(4));
 - To organizations conducting studies for, or on behalf of, the University, in order to: (a) develop, validate, or administer predictive tests; (b) administer student aid programs; or (c) improve instruction. (§99.31(a)(6));
 - To accrediting organizations to carry out their accrediting functions. (§99.31(a)(7));
 - To parents of an eligible student if the student is a dependent for IRS tax purposes. (§99.31(a)(8));
 - To comply with a judicial order or lawfully issued subpoena. (§99.31(a)(9));
 - To appropriate officials in connection with a health or safety emergency, subject to §99.36. (§99.31(a)(10));
 - Information the University has designated as "directory information" under §99.37. (§99.31(a)(11));
 - The disclosure may only include the final results of the disciplinary proceeding with respect to that alleged crime or offense, regardless of the finding. (§99.31(a)(13));
 - To the general public, the final results of a disciplinary proceeding, subject to the requirements of §99.39, if the University determines the student is an alleged perpetrator of a crime of violence or non-forcible sex offense and the student has committed a violation of the school's rules or policies with respect to the allegation made against him or her. (§99.31(a)(14)); and
 - To parents of a student regarding the student's violation of any Federal, State, or local law, or of any rule or policy of the school, governing the use or possession of alcohol or a controlled substance if the school determines the student committed a disciplinary violation and the student is under the age of 21. (§99.31(a)(15)).

8. The right to file a complaint with the U.S. Department of Education concerning alleged failures by Texas Southern University to comply with the requirements of FERPA. The name and address of the Office that administers FERPA is:

Family Policy Compliance Office

U.S. Department of Education

400 Maryland Avenue, S W

Washington, DC 20202-4605

Fees and Expenses

Resident Status

Students enrolled at the University can be classified as resident, nonresident, or foreign. All students attending Texas Southern University who are nonresidents of Texas will be charged additional tuition in accordance with state law. The burden of registering under proper resident status is the responsibility of the student. Nonresidents are persons who are residing in the State of Texas fewer than twelve (12) months immediately preceding their initial registration.

A request for a change of resident status for tuition purposes should be made as soon as the student has met the requirements for residency change, but no later than the fourth (4th) class day for a summer session or the twelfth (12th) class day for a fall or spring semester. Changes made after the 4th/12th class days will apply only for future semesters. All required documents must accompany the Residency Application form, which is available in the Office of the Registrar on the second floor of Bell Hall.

The determination of resident classification for tuition purposes is governed by statutes enacted by the Texas Legislature and by rules and regulations promulgated by the Texas Higher Education Coordinating Board. These regulations may be reviewed in the Robert J. Terry University Library in the Reserved area.

Required Residency Documentation

The Texas Higher Education Coordinating Board requires that Texas Southern University document each student's residency. In order to apply for Texas residency status for tuition purposes, one must be either a U.S. citizen or permanent resident. The following documents indicating that the student has resided in the State of Texas for twelve (12) continuous months prior to registration may be **required**:

Documentation to Support Domicile and Residency

The following documentation may be requested by the institution in order to resolve issues raised by responses to the Core Residency Questions. The listed documents may be used to establish that the person is domiciled in Texas and has maintained a residence in Texas continuously for twelve (12) months prior to the census date.

Part A: Documentation That Can Support the Establishment of a Domicile and Demonstrate the Maintenance of a Residence in Texas for 12 Months

An employer's statement of dates of employment (beginning and current or ending dates) that encompass at least 12 months. Other documents that show the person has been engaged in activities intended to provide an income to a person or allow a person to avoid the expense of paying another person to perform the tasks (as in child care or the maintenance of a home) may also be used, as well as documents that show the

person is self-employed or employed as a homemaker or is living off his/her earnings or through public assistance. Student employment such as work-study and the receipt of stipends, fellowships or research or teaching assistantships does not qualify as a basis for establishing a domicile.

For a homeless person, written statements from the office of one or more social service agencies located in Texas that attest to the provision of services to the homeless person for the twelve (12) months prior to the census date of the term in which the person enrolls.

Part B: Documentation Which (if accomplished and maintained for the 12 months prior to the census date of the term in which the person enrolls and if accompanied by at least ONE type of document listed in Part C) Can Support the Establishment of a Domicile and Demonstrate the Maintenance of a Residence in Texas for 12 Months:

- Title to real property in Texas
- Marriage certificate with documentation to support that spouse is a domiciliary of Texas
- Ownership of business in Texas with documents that evidence the organization or the business as a partnership or corporation and reflect the ownership interest of the person or dependent's parent
- State or local licenses to conduct a business or practice a profession in this state.

Part C: Documents That May Be Used to Demonstrate Maintenance of a Residence for 12 Months

These documents do not show the establishment of a domicile. They only support a person's claim to have resided in the state for at least 12 months. Activities in Part A and B of this Chart may be used to establish a domicile.

- Utility bills for the 12 months preceding the census date
- A Texas high school transcript for a full senior year of attendance preceding the census date
- A transcript from a Texas institution showing presence in the state for the 12 months preceding the census date
- A Texas driver's license or Texas ID card with an expiration date of not more than four years
- Cancelled checks that reflect a Texas residence for the 12 months preceding the census date
- A current credit report that documents the length and place of residence of the person or the dependent's parent
- Texas voter registration card that has not expired
- Pay stubs for the 12 months preceding the census date
- Bank statements reflecting a Texas address for the 12 months preceding the census date
- Ownership of real property with copies of utility bills for the 12 months preceding the census date
- Registration or verification from licensor, showing Texas address for licensee
- Written statements from the office of one or more social service agencies, attesting to the provision of services for at least the 12 months preceding the census date
- Lease or rental of real property, other than campus housing, in the name of the person or the dependent's parent for the 12 months preceding the census date

Photocopies of the above items are required with the completed application. Students who do not provide required documentation will be charged nonresident tuition.

If there is a question of a student's legal resident status under state law and University rules, it is the duty of the student to obtain an opinion from the Student Resident Status Advisor prior to registration. **Any attempt on the part of the nonresident to evade the nonresident fee will be taken seriously and may lead to expulsion.** Nonresident students are given official notice of their nonresident classification at the time of admission. A student who is classified as a nonresident but who pays the resident fee at any subsequent registration after he or she has been officially advised in writing of nonresident status will receive a penalty of loss of credit.

Tuition and Fees

The University reserves the right to adjust fees without prior notice. A list of tuition and regular fees to be paid by all students enrolled for any semester hours is available through the Office of Student Accounting. In addition to these fees, one should add estimates of special laboratory fees and the cost of books and supplies to arrive at an approximate total amount needed at the time of registration.

All payments to the University can be made online, by credit card, cashier's check, money order, or personal check made payable to Texas Southern University. Personal checks will not be accepted for any amount in excess of the total amount due. Postdated checks will not be accepted. There will be a \$25.00 charge for each check returned for any reason. Temporary checks are unacceptable.

Tuition

In all colleges and schools of the University except the Thurgood Marshall School of Law and the College of Pharmacy and Health Science, each student who is a resident of the State of Texas is required to pay statutory tuition at a rate of \$100.00 per credit hour. A nonresident or foreign student is required to pay statutory tuition at a rate set by the Texas Higher Education Coordinating Board. Information on specific rates may be secured from the Office of Student Accounting.

Designated Tuition

The Building Use Fee, of a prorated amount per semester hour, is charged to all students. This fee is used to construct, equip, repair, and renovate buildings and facilities.

DIFFERENTIAL DESIGNATED TUITION

The Differential Designated Tuition is an additional tuition charge established by the TSU Board of Regents for colleges to cover additional costs of providing instruction.

Graduate School Services Tuition Fee

The Graduate School Services Tuition fee is an additional fee assessed to fund fellowships and support administrative costs in the Graduate School.

Student Service Fee

The Student Service Fee is used to support certain extracurricular activities, such as student publications, special cultural programs, the marching band, and the athletic programs. This fee also provides for general health counseling, minor medication, and treatment in the Student Health Center. **It does not include special medicines, dental care, treatment by specialists, or hospitalization.** The amount of the

fee depends on the number of credit hours for which the student is enrolled, and it is charged to all students enrolled at the University during a regular semester. Students enrolled for 12 or more credit hours in each of both semesters of a school year are entitled to receive one copy of the University annual. Students enrolled full-time for only one semester may also receive the annual by paying an additional fee.

Student Center Fee

The Student Center Fee is used for operating, maintaining, improving, and equipping the Student Center and acquiring or constructing additions to the Student Center.

Library Service Fee

The Library Service Fee is used for operating, maintaining, improving, and equipping the Robert J. Terry Library and for providing library services to students.

International Education Fee

The International Education Fee is used to assist students participating in international student exchange or study programs in accordance with guidelines jointly developed by the student governing body and University administration.

Recreational Facility Fee

The Recreational Facility Fee is used for constructing, operating, maintaining and equipping the recreational facilities and programs.

Intercollegiate Athletics Fee

The Intercollegiate Athletics Fee is imposed by the Board of Regents of Texas Southern University on each student enrolled at Texas Southern University. This fee is used to develop and maintain an intercollegiate athletics program at the University.

Medical Service Fee

The Medical Service Fee is used for operating, maintaining, improving, and equipping the medical service facility; acquiring and constructing additions to the medical service facility and providing medical services to students.

Computer Service Fee

The Computer Service Fee is assessed per semester to all students enrolled at the University to help support the provision of computer services to students.

School Fee

The School Fee is assessed by each college or school to all students enrolled in its component major programs in order to support administrative costs.

Late Registration Fee

Texas Southern University reserves the right to conduct registration according to students' last name, area of study, or any other delimiting factor. Students are required to register at the time indicated by the class schedule. Failure to complete registration on the date specified, but before the absolute deadline, may result in a late fee assessment.

Drop/Add Fee

A student making a course change or changes after payment of initial tuition and fees may be charged for each change.

Installment Handling Fees

Tuition and fees may be paid by one of two options:

- 1. Full payment of tuition and fees by the twentieth day of class or
- 2. Enrollment in the university installment plan by the 20th class day for the Fall and Spring semesters, or by the 15th class day for Summer semesters.

Students electing to pay their tuition and fees on the installment plan will be assessed a handling fee for the installment plan. Students are also assessed a fee for each delinquent payment. These fees are nonrefundable.

A student who fails to make full payment or a first installment payment of tuition and fees, including any incidental fees, by the due date may be barred from classes until full payment is made. A student who fails to make full payment prior to the end of the semester may not receive credit for the work done that semester. University records may be adjusted to reflect the student’s failure to enroll properly for that semester.

Late Payment Fee

A student who fails to pay tuition and fees by the posted deadline will be assessed a late payment fee.

Laboratory Fee

Fees are assessed for studio and laboratory courses in the following academic disciplines: art, biology, chemistry, education, geology, human services and consumer sciences, music, pharmacy, human performance, physics, and technology.

SEVIS International Fee

International students are required to pay an administration fee for University compliance with the federal student exchange system.

Orientation Fee

First-time students are required to pay a fee for the orientation program and related activities.

Health Insurance

Students enrolled for six (6) or more credit hours (three (3) hours for Summer sessions) are eligible to enroll in the University-sponsored health insurance plan. International students will automatically be enrolled and billed for the University- sponsored health insurance plan. Students can apply for waivers by providing proof of comparable health insurance by the 20th class day (15th class day for Summer sessions).

Room and Board

Residence hall occupants will be required to sign a Housing-Food Service Contract for the entire academic year before being admitted to the facilities. **The Housing-Food Services Contract is personal and may not be transferred or assigned to another person.** Any violator will be subject to immediate disciplinary action. **Room and Board charges are assessed on an annual basis.**

Parking Fee

Students who need to park vehicles in designated student lots on the campus must pay for parking decals to attach to their vehicles. These decals will indicate the parking lot. This fee is assessed on a semester or term basis. **Refunds for parking fees must be applied for separately through the Department of Public Safety.**

Other Fee(s)

Other fees, not specified in this section, may be charged by colleges, schools, departments, or other offices at the University. Students will be apprised of these fees and their designated purposes at the time that they are incurred.

Tuition and Associated Fees

Students should refer to the University website for updated information regarding tuition and fees. The Graduate School provides tuition fellowships for a limited number of students nominated by their programs to work as teaching or research assistants. For more information students should consult their academic departments.

Graduation Fees

The graduation fee for graduate students is \$50.00. Additional processing fees including processing fees for thesis or dissertation may apply. Graduation fees are subject to change. Fees are due and payable at the time of one’s application for graduation. Once paid, the graduation application fee cannot be refunded or transferred to another graduation period.

Student Records (transcripts) may not be released if:

- 1. All records are not on file in the University Registrar’s Office.
- 2. The requesting student has not cleared all bills (academic or financial).
- 3. The requesting student has a record hold imposed by the Office of Financial Aid or the Office of General Counsel.
- 4. Transcript fee has not been paid.

Regulations Governing Refunds

Dropped Courses

Any student who drops courses within the first twelve (12) days of a Fall or Spring semester or within the first four (4) days of a summer term and remains enrolled in the University will receive refunds applicable to tuition paid for those courses.

Date	Percent
On or before the twelfth class day (fourth class day for Summer)	100%
After the twelfth class day (fourth class day for Summer)	0%

Withdrawal

Students who officially withdraw from the University during the Fall or Spring semester will receive a refund calculated according to the following percentage schedule. For withdrawal percentages for Summer terms, please check the Student Accounting website for the applicable percentage.

Date	Percent
Prior to the first day	100%
During the first week of class	80%
During the second week of class	70%
During the third week of class	50%
During the fourth week of class	25%
After the fourth week of class	0%

Students who drop/withdraw from courses and are not indebted to the University should expect to receive checks by mail after the fourth week of class during a regular semester and after the third week of class during a summer term. Students who pay fees through financial aid/assistance (including federal student loans) will receive refunds only if the Office of Student Financial Assistance determines that refunds are due.

Students who register for courses that are either paid for directly or paid through the use of financial aid/assistance are considered enrolled at the University until they officially withdraw through the Office of the University Registrar. Ceasing to attend classes or stopping payment of checks for fees owed without officially withdrawing from the University will result in semester grades of "F". Thus, any remaining balance owed to the University by a student who ceases to attend classes, but who does not officially withdraw through the Office of the University Registrar, is still due and NOT subject to reduction.

Room and Board Fees

Dormitory residents are required to sign a Housing/Food Service Contract for the entire academic year. The University's policy concerning refunds associated with room and board fees is stated in the contract. Where refunds are applicable, application for such refunds must be made within one year after official withdrawal.

Financial Obligations

Students who are indebted to the University for any amount may not be permitted to graduate, receive transcripts, re-enroll at the University, or receive any refunds.

Students who fail to make full payment of all university charges by the established payment deadlines may be subject to:

- Financial holds
- Withholding of transcripts
- Denial of subsequent registration for future classes

Types of Financial Aid and Assistance Loans

The U.S. Department of Education's federal student loan program is the William D. Ford Federal Direct Loan (Direct Loan) Program. Under this program, the U.S. Department of Education is your lender. There are several types of Direct Loans available:

Direct Unsubsidized Loans are loans made to eligible undergraduate, graduate, and professional students, but eligibility is not based on financial need. Direct PLUS Loans are loans made to graduate or professional students to help pay for education expenses not covered by other financial aid. Eligibility is not based on financial need, but a credit check is required. Borrowers who have an adverse credit history must meet additional requirements to qualify. Before you take out a loan, it's important to understand that a loan is a legal obligation that makes you responsible for repaying the amount you borrow with interest.

To apply for a federal student loan, you must first complete and submit a Free Application for Federal Student Aid (FAFSA®) form. Based on the results of your FAFSA form, Texas Southern University will award a financial aid offer, which may include federal student loans. You may review the offer on the TSU MyWeb account. Prior to the Federal Direct Loan Program disbursing to the student's account, the student will be

required to complete entrance counseling, and sign a Master Promissory Note, agreeing to the terms of the loan.

If you are a graduate or professional student, you can borrow up to \$20,500 each year in Direct Unsubsidized Loans. Direct PLUS Loans can also be used for the remainder of your college costs not covered by other financial aid. In no case may a student borrow in excess of the total cost of attendance.

Grants

Grants are gift aid from federal, state, or university sources. They are awarded to students based on need, and they do not need to be repaid. You must complete the Free Application for Federal Student Aid (FAFSA) for grant awards. The TEACH Grant and Texas Public Education Grant require enrollment in 12 credit hours to gain eligibility for maximum awards. Certain grant programs are prorated based on your enrollment for the term, but generally students must maintain at least half-time enrollment to qualify for an award. The Texas Public Education Grants are awarded to students who are citizens or eligible non-citizens, and who have been regularly admitted into a degree-seeking program. Students who file the FAFSA are automatically considered for the Texas Public Education Grant. Full time awards start at \$100 with a maximum award of \$4,000. Students who cannot apply for aid using the FAFSA are encouraged to complete the TASFA. Students must show financial need according to the federal guidelines and register for selective service or be exempt from this requirement.

As other programs become available at the University, students should contact the Office of Student Financial Assistance directly for pertinent information.

Financial Aid and Assistance Eligibility

The Office of Student Financial Assistance makes every effort to ensure that all awards and materials submitted remain confidential in accordance with the Buckley Family Right to Privacy Act of 1975.

Eligible applicants for financial aid must be U.S. citizens or permanent residents and officially admitted into Texas Southern University through the Graduate Admissions Office.

Interested students should do the following:

1. Secure admission to Texas Southern University through the Graduate Office of Admissions via the process described in the next chapter of this document.
2. The FSA ID replaced the Federal Student Aid PIN on May 10, 2015. If you haven't logged into a U.S. Department of Education (ED) online system since then, you'll need to create a FSA ID before you can use the U.S. Department of Education online systems.
3. Complete the Free Application for Federal Student Aid (FAFSA) online at www.studentaid.gov (<https://studentaid.gov/>). The student will receive an electronic response from the U.S. Department of Education within three to five days by means of an email notification. The email will contain a link that should be immediately accessed, and the content reviewed for corrections. Students who are officially admitted into a graduate program are considered independent and are not required to submit parental information on the FAFSA.
4. You may identify the necessary documents by logging into your TSU MyWeb account through the web portal. Students selected for verification will upload their documents to the Inceptia Verification Gateway at www.verificationgateway.org/ [tsufa2021 \(https://www.verificationgateway.org:8443/inceptia/](https://www.verificationgateway.org:8443/inceptia/)

#/login) and www.verificationgateway.org/tsufa2022 (<https://www.verificationgateway.org:8443/inceptia/#/login>). Supporting documentation other than requirements to complete verification that may be required for completion of the financial aid application may be submitted directly to the Office of Student Financial Assistance, Texas Southern University, West Garage. The forms necessary to complete the application are available on the TSU website, <http://www.tsu.edu/admissions/financial-aid/index.html> (<http://www.tsu.edu/admissions/financial-aid/>) under the forms link.

5. **Verification and Special Circumstances Verification:** During the processing of the Free Application for Federal Student Aid (FAFSA), the U.S. Department of Education will select some of the applications for a process known as “verification.” Certain inconsistencies found when processing the FAFSA may increase the likelihood that the application will be selected for verification. Some of the FAFSAs submitted are also randomly selected for verification. The student and Texas Southern University will be notified by the U.S. Department of Education when a FAFSA is selected for verification. By federal guidelines, TSU also has the right to select any application where it may detect inconsistencies and must resolve any inconsistent information. During the verification process, students are generally required to verify data elements included on the FAFSA. Examples of the data that may be verified include, but are not limited to the adjusted gross income, federal taxes paid, SNAP benefits, social security income, or completion of high school. Dependent students will be required to submit parental as well as their own during the verification process. Married students will be required to submit spousal information during the process. Federal guidelines concerning marital status and dependency statuses will be followed in both cases when completing the verification process. For additional information you may refer to the Free Application for Federal Student Aid at www.studentaid.gov/h/apply-for-aid/fafsa (<https://studentaid.gov/h/apply-for-aid/fafsa/>). Students may determine the documents necessary to complete the file through the use of their MyTSU web account, which is accessible 24 hours a day.

Once your file has been received by Inceptia, you will receive an email from Inceptia inviting you to log into the Verification Gateway at:

- 2021-2022 Federal Verification: <https://www.verificationgateway.org/tsufa2022> (<https://www.verificationgateway.org/tsufa2022/>) Deadline for submitting these documents is September 3, 2022
- 2022-2023 Federal Verification: <https://www.verificationgateway.org/tsufa2023> (<https://www.verificationgateway.org/tsufa2023/>) Deadline for submitting these documents is September 2, 2023

Prior to logging into the Verification Gateway, you will authenticate your identity and create a username and password. Inceptia will also assist with questions concerning your verification process. If you need assistance or have any questions about the verification process, please contact Inceptia, Monday from 8:00 am – 8:30 pm Central and Tuesday through Friday from 8:00 am – 7:00 pm Central at 888-374- 8427 or by email at VGCS@inceptia.org. Do not send the documents to the U.S. Department of Education.

Documents should be uploaded directly into the Inceptia Gateway. Once the student has completed the task list, the application will enter the verification phase. It is very important that you log in and review the Verification Gateway during the verification process. On occasion, additional documentation may be requested after receiving the initial documentation from the student. Students will be notified by letter

of any additional requirements. If inaccuracies are found during the review process, corrections will be forwarded to the U.S. Department of Education prior to the disbursement of any financial assistance. In some cases, files are selected for verification after the disbursement of financial assistance. Once the university receives such notification, additional disbursements will not be processed until the verification process is completed. An email notification will be delivered to the student when the process has been completed and the file is returned to TSU for processing.

A forms bank for processes outside of verification containing TSU Documents is located on the TSU Financial Aid website for your convenience. The documents required to complete the process should be faxed or hand delivered directly to the TSU Office of Student Financial Assistance. TSU will be required to compare the information submitted by the student with the information supplied on the FAFSA. The university call center is also available to assist with information on all aspects of the financial aid process.

Special Circumstances

Certain life events such as, a significant reduction or loss of income, or exorbitant medical expenses may warrant an additional consideration. The U.S. Department of Education has made certain allowances to assist students in completing the application process. Complete the special circumstances application located in the forms bank on the TSU financial aid web page. Attach the supporting documentation outlined on the special circumstances application and submit the packet to the Office of Student Financial Assistance for review. Once the documents are received by the Office of Student Financial Assistance a determination will be made within 14 working days. Students are notified of the decision by letter within 14 working days of receiving the information.

Beginning the process at the earliest possible point to allow for ample processing time is critical. If you would like to set up an appointment with a FA Counselor to discuss your case, please go to the financial aid web page to select the time and date for your consultation.

Deadline Dates

Although applications are accepted throughout the year, students are required to submit the Free Application within 2 weeks of the closing date to allow ample time for processing.

- Fall Semester: November 18
- Spring Semester: April 10
- Summer Sessions: May 15

Cost of Attendance - Enrollment monitoring

The cost of attendance will be adjusted for students whose total enrollment falls below the minimum full-time equivalent based on their classification and enrollment. The adjustment will be based upon the student's actual enrollment for the term. The cost of attendance will reflect the actual cost of tuition and fees and a percentage of books and supplies (three-quarter time and half-time enrollment). Generally, the adjustments will be performed based on the dates listed below. Official census dates:

- 12th class day for the fall and spring terms
- 4th class day for summer terms

Students that did not have a completed FAFSA/TASFA filed before the census date will have their cost of attendance based on their enrolled hours at time of packaging. No further adjustments will be made for

students who remain actively enrolled for the remainder of the term when subsequent enrollment updates occur. Concurrent Enrollment Agreements, Consortia and Study Abroad will be reviewed and adjusted based on enrollment; per the minimum enrollment roster and consortia documentation. Students who withdraw may experience changes are required by the Title IV regulations.

Enrollment Statuses

Once all documents referenced have been received by the Office of Student Financial Assistance (or other designated office), the applicant will be considered for a possible financial aid award, financial assistance, or scholarship. A student who applies for financial aid or assistance and is not awarded at the time of registration must be prepared to pay for tuition, fees, books, and housing from personal funds as part of the registration process.

Fall and Spring Terms

Program	Full-time	3Quarter	Half-time	Less than Half-time
GR	9	7	5	<5
eMPA	9	7	5	<5
eMAJ	9	7	5	<5
eMBA	6	4	3	<3
P4	18	12	9	<9
UG	12	9	6	<6
Research	3	2	1	

Summer Terms

Program	Full-time	3Quarter	Half-time	Less than Half-time
GR	6	4	3	<3
eMPA	6	4	3	<3
eMAJ	6	4	3	<3
eMBA	6	4	3	<3
P4	12	9	6	<6
UG	6	4	3	<3
Research	3	2	1	

Financial Aid Eligibility Requirements

In order to maintain eligibility for consideration for financial aid, students must meet the standards set forth in Texas Southern University's policy on Satisfactory Academic Progress (SAP). **There are three facets of the individual student record that determine financial aid eligibility: credit hours, grades, and time frame.** The requirements in each facet vary in accordance with academic status (undergraduate, graduate, or professional student), the college or school of enrollment, and enrollment status (full-time, half-time, or less than half-time). Time frame is always included regardless of the level, enrollment status or degree objective for the student when considering the financial aid satisfactory academic progress standards.

Credit Hours and GPA

Students receiving financial aid must satisfy the qualitative component, credit hours attempted and earned (ratio) and qualitative component, the cumulative grade point average (GPA) needed based upon their individual academic classifications to maintain eligibility. Students receiving aid have their overall enrollments at the University reviewed at the end of the spring semester. If they meet or exceed the minimum SAP standards, the student's next scheduled review will occur annually at

the end of the subsequent spring term. If they fail to meet the minimum SAP standards, the student is placed on financial aid suspension and must appeal for reinstatement of eligibility to receive aid. If the student successfully appeals and is approved to regain eligibility to receive aid, the student's SAP is measured at the end of each subsequent term. If the student meets the minimum financial aid satisfactory academic progress requirements, the student regains eligibility to receive Title IV aid. If the student fails to meet the minimum requirements or the requirements outlined in the academic plan, the student is placed on financial aid suspension and may not automatically regain eligibility until the student has met the minimum financial aid satisfactory academic progress requirements for their category. Undergraduate students may appeal for reinstatement after earning a 2.0 in at least 6 hours at an accredited two-year or four-year University, junior or community college prior and meets other federal acceptable terms for reentry into the financial aid programs. Graduate students will be considered based on attainment of the minimum satisfactory requirements in one term without the benefit of financial aid.

Time Frame

With regard to the **time frame needed** to maintain eligibility, students will be considered for financial aid for a limited time only. Their enrollment in all postsecondary institutions, regardless of financial aid support, is considered when determining the total number of credit hours that they are allowed to enroll in with the benefit of financial aid. Students are allowed no more than 150% of the credit hours required to complete their degree requirements. **The Office of Student Financial Assistance should be contacted directly regarding the specifics of time frame limitations.** Students are notified when they are approaching enrollment in the maximum number of credit hours permitted. If students exceed this number before finishing their individual programs of study, then they will no longer be eligible to receive federal student assistance.

Students are placed on financial aid suspension with regard to the receipt of financial aid for their next semester of attendance. Students placed on financial aid suspension are required to submit an appeal containing a SAP appeal form, letter of explanation, plan of action for improving their academic performance and academic plan to regain eligibility to receive aid. Submission of an appeal does not automatically reestablish eligibility to receive aid. If they are successful in appealing the financial aid suspension the student's eligibility is reinstated for one term. If the student has an established academic plan and meets the standards outlined in the academic plan, the student may be allowed to continue with filing an appeal form.

To regain full eligibility to receive financial aid, students must complete the requisite number of semester credit hours with the corresponding GPA to regain unconditional eligibility under the Satisfactory Academic Progress (or SAP) policy. Students who meet the conditions outlined in the approved appeal and an academic plan but continue to fall below the minimum requirements may continue to receive aid. If these conditions are not met the student will be placed on financial aid suspension and may not regain eligibility until the student has met the minimum financial aid satisfactory academic progress requirements for their category or meets other federal acceptable terms for reentry into the financial aid programs.

Financial Aid Suspension

Students who fail to earn the required semester credit hours and achieve the required GPA will be placed on financial aid suspension. Thus, they will no longer be eligible to receive federal student assistance. In order to return to regain eligibility, students must meet the minimum financial

aid satisfactory academic requirements. Graduate students failing to meet the minimum requirements must earn a 3.0 in at least 6 hours at an accredited two-year or four-year university prior to appealing for reinstatement of the financial aid eligibility. The student must submit a financial aid appeal for consideration of reinstatement of aid. Submission of an appeal after achieving a 3.0 does not automatically reestablish eligibility to receive aid; appeals will be considered on a case by case basis for reinstatement of aid. Graduate students will be considered based on attainment of the minimum satisfactory requirements in one term without the benefit of financial aid.

Exclusions

The following types of registration or grades cannot be used to fulfill conditions for the removal of financial aid probation or suspension: advanced placement credits, credits earned through the credit by examination process, independent study courses, and grades of withdrawal (W), incomplete (I), in progress (R), unsatisfactory (U), and fail (F).

Additional Academic Requirements

If a student applies for financial aid, their eligibility will be based on past performance as measured by the Satisfactory Academic Progress (SAP) standards for financial aid. If a student is a transfer student, he or she will be evaluated within the financial aid SAP maximum time frame based upon the number of semester credit hours accepted by Texas Southern University and subsequently enrolled in at Texas Southern University.

Other factors that students need to be cognizant of with regard to the assessment of financial aid status are as follows:

1. Semester credit hours earned from foreign institutions are included in the financial aid SAP evaluation if these credits are accepted by the University and the college/school in which a major is declared.
2. If a course is repeated, the semester credits earned will count toward the determination of enrollment status and maximum time frame. If a course is repeated due to a failing grade, financial aid may be applied until the student receives a passing grade in the course. If the student receives a passing grade, financial aid may only be applied for the first instance the course is repeated.
3. Courses in which grades of "I" (incomplete) are received do not earn credits to meet the academic year minimum, nor do they influence GPA's in the semester in which they are taken; however, the credits are counted in the maximum time frame.
4. Courses in which grades of "W" (withdrawal) are received do not earn credits to meet the academic year minimum, nor do they influence GPA's in the semester in which they are taken; however, the credits are counted in the maximum time frame. Students may retake courses from which they withdraw, and retaken credits will count toward the determination of enrollment status and minimum credits earned.
5. Credits earned from undergraduate developmental/remedial courses that students are required to take count toward the determination of enrollment status, minimum semester credits earned, and maximum time frame.
6. Credits earned from undergraduate courses taken while students are enrolled as graduate students must apply to the student's degree objectives and will be counted toward the academic year minimum. They may influence GPA's, and count they count toward the determination of enrollment status or minimum credits earned. The courses must be specifically required as prerequisites.
7. All undergraduate and prerequisite courses are included in the financial aid time frame for financial aid SAP.
8. Summer terms are considered special semesters and are not automatically monitored to determine financial aid SAP. Students who attend summer terms and who want credits earned during these terms counted with fall and/or spring semester credit totals must make a request for such at the end of the summer terms of attendance.

Right to Appeal

Students placed on financial aid suspension may appeal this status by completing a Satisfactory Academic Progress Appeal Form in the Office of Student Financial Assistance within 30 days of receipt of notification.

Students who believe that they have been identified as not having met financial aid SAP requirements because of the late posting of grades should contact the Office of Student Financial Assistance once grades have been posted. A counselor will then review the information and determine whether or not the SAP requirements have been appropriately met.

The Appeal Process

When a student fails to satisfy the SAP requirements, they may regain eligibility for federal student aid by completing an SAP appeal from the financial aid office. The appeal requires submission of:

- A complete progress appeal for the correct aid year
- Supporting documentation that clearly supports the student's explanation (ex. Doctor's note, a death certificate)
- Academic plan that is signed by the academic advisor and student
- A current copy of the students unofficial Texas Southern University academic transcript (Located within the MyTSU portal)
- A copy of the certificate of completion by completing the assigned iGrad course.

Every part of the appeal must be filled out and signed in order for it to be deemed complete. Once the student finishes they will compose an email, attach all of the documentation listed above, and submit the appeal to sapappeal@tsu.edu.

Students who fail to achieve financial aid SAP standards because of mitigating circumstances (such as illness, injury, family crisis, or credits earned from incomplete courses) should attach supporting documentation with the appeal. The Satisfactory Academic Progress committee will render a decision after reviewing the documentation presented.

The Appeal Decision

Once the student's appeal is submitted to the office it is then reviewed by the SAP committee. An appeal decision can take up to 10 business days. Students are able to see the updated decision on their MyTSU portal and they also receive an SAP decision letter in the mail. If the appeal is approved students are eligible for Title IV funds again. If the appeal is denied students must set up a payment plan through student accounting while finding alternative ways to cover their account balance.

Payment for Course Registrations

Students view their account balance on-line or request an account summary from the Student Accounting Office Services Department in the

E.O. Bell Hall basement. Payment deadlines are posted on the TSU web site. Students dropping and adding courses or receiving University

Bookstore credit based on expected financial aid should carefully monitor their student accounts.

Students are required to have full payment through financial assistance, veteran's benefits, employee reimbursements, cash, check or credit

card by the first-class day. Students may enter into a university installment agreement to prevent the cancellation of their courses due to non-payment. Students who are not paid in full and do not have an installment agreement are subject to course cancellation on the twentieth-class day of the term.

REFUND DISBURSEMENT

All financial aid funds are disbursed by the Office of Student Accounts and Billing, not the Office of Student Financial Assistance. Funds will not be disbursed to students indebted to the University. The University refunds students' surplus monies to their designated bank account or to bank mobile cards for students who opted out of direct deposit to their bank account. To set up the refund disbursement decision please visit <https://bankmobilevibe.com/> or contact their customer service line at 1-877-327-9515.

Residential Life and Housing Procedures

The demand for student housing is quite large. Facilities may not be available for all students who apply. To process applications expeditiously, students must request and submit the appropriate application for the type of accommodation desired. To begin the housing reservation process, a student will submit an electronic housing application via the TSU Housing website at www.tsu.edu/housing (<http://www.tsu.edu/housing/>).

Housing Reservations

Reservations are made on a priority basis. Freshmen will be served first priority at the freshman housing facility. Sophomores are accommodated at the 2nd level, followed respectively by juniors and seniors. Assignments depend on housing availability. All domestic and international students should make applications with applicable fees as early as possible prior to the semester or term in which they wish to attend. Applicants must be accepted to the University before applying for housing accommodations. Students must provide proof of receiving the Meningitis Vaccine prior to applying for housing.

Housing Lease Cancellations/Terminations

All requests for cancellation of housing reservation or termination must be submitted to the Department of Residential Life & Housing via email to tsuhousing@tsu.edu.

Resident's Responsibilities

Students are cautioned to read carefully all terms and conditions stated on the application form, lease agreement, resident handbook, information bulletins, food service contracts and all email communications. Students will be held accountable for adherence to the contents of all contractual information. Once a student is assigned to a room, he/she is responsible for its maintenance (i.e., keeping the room in good condition) and shall be held responsible to the University for damages to equipment and

furnishings. Charges will be assessed for damages or defacements beyond normal wear and tear. TSU strongly urges students to provide personal property insurance via a rider on the family's homeowners insurance or by purchase of a personal property insurance policy provided by a third-party insurance provider. All residents are expected to familiarize themselves with and abide by the Residential Life & Housing Rules and Regulations and the Student Code of Conduct (www.students.tsu.edu/wp-content/uploads/2017/04/student-code-of-conduct.pdf) (<http://www.tsu.edu/students-services/departments/student-conduct/pdf/student-code-of-conduct.pdf>).

Violation of University Rules and Regulations could result in disciplinary actions taken by Residential Life & Housing Staff, and/or the Office of Student Conduct.

Student Services and Campus Life

ERNEST S. STERLING STUDENT LIFE CENTER

The Sterling Student Life Center (SSLC) is the epicenter of campus life. Students from all over the university converge on this part of campus to engage in the unique social, cultural (And yes, even educational!) activities at one of Texas's premiere HBCUs. Located on the famous Tiger Walk, the Student Center is home to the Student Government Association (SGA), University Program Council (UPC), Herald Newspaper, Tiger Yearbook, Office of Campus Organizations, TSU Cheerleaders, Tiger Card Office, Office of Student Activities and the Office of the Assistant Dean of Student Services.

Student Life Center staff and students know that the events/programs sponsored under the auspices of Student Activities give students the opportunity to implement their ideas in a creative, practical, learning environment.

On any given day, students can be found socializing with classmates, fraternity brothers/sorority sisters, or just plain old friends in the lobby, game room, or in front of the SSLC building. Student organizations sponsor events in the Student Center that range from educational seminars to autograph signings of up and coming Hip Hop and R&B artists.

Also located in the SSLC are the Sodexo Food Services, Barnes and Noble Bookstore, the Copy Center as well as Barber and Beauty Services. In addition to student and university functions, the Student Center entities.

STUDENT LIFE

The Office of Student Life is committed to facilitating the holistic development of our students while cultivating a diverse and inclusive campus community. Student Life staff are educators and mentors who work collaboratively with faculty and staff of the University to provide learning experiences both in and outside the classroom.

Our programs and services foster student learning and development, inspire TSU pride, promote health and wellness, and prepare students for their chosen professions in the global society.

UNIVERSITY PROGRAM COUNCIL

The University Program Council is composed of students, staff, faculty, and administrators who work in collaboration with the Office of Student Services in implementing programs for the University community. The Council's charge includes sponsoring a comprehensive list of social,

cultural, intellectual, and recreational programs which enhance the total development of students.

STUDENT GOVERNMENT ASSOCIATION

The Student Government Association is the supreme governing body of Texas Southern University students. Comprised of the three branches, Executive, Legislative, Judicial, the Student Government Association serves as a means whereby students' opinions, views, and aspirations may be properly discussed and acted upon.

STUDENT PUBLICATIONS

The Office of Student Publications and the students working therein are responsible for the planning, writing, designing, and production of our student publications. Student Publications is committed to providing the students and campus community with quality publications that enhance the University.

COUNSELING SERVICES

The mission of the University Counseling Center (UCC) is to help students enhance their academic and personal well-being. The UCC seeks to provide counseling and support, crisis intervention, grief counseling, outreach, and referral services to TSU students. We also offer consultation, education, training, and prevention strategies to faculty, staff, and the university community. We seek to promote an environment of inclusion, personal development and student success.

Confidential counseling services are made available for all currently enrolled TSU students at no charge. Our primary responsibilities are to alleviate distress and promote healthy functioning by providing confidential short-term or ongoing counseling services. These services include, but are not limited to individuals, couples, family and/or group consultation, referrals, and public presentations for campus organizations and/or academic classes.

The UCC staff consists of licensed mental health professionals from diverse clinical backgrounds. The UCC will refer students to psychologists, psychiatrists, and physicians when necessary. This practice allows the staff to provide quality counseling, integrated care, appropriate referrals, consultation, and training. The UCC clinical staff are trained and experienced in responding to a variety of issues encountered by university students.

The UCC is in the Student Health Center. Office hours are 8:00 a.m. to 5:00 p.m. Monday through Friday. Come by the office or call the UCC at 713-313-7804 to make an appointment or for additional information.

STUDENT HEALTH SERVICES

Student Health Services provides medical care to students when they are sick or injured, and consistently delivers health promotions programming campus-wide. To receive services at the clinic, students must be registered for the current semester and have a valid Tiger One Card. Medical services are provided by medically trained staff on a walk-in basis.

Health Services is in the Student Health Center on Tierwester Street between Lanier East and the General Services building. The clinic is open Monday – Friday, from 8:00 a.m. to 5:00 p.m. After hours of operation and on weekends, students should contact TSUPD at (713) 313-7000 for assistance.

Services and some medications are provided free of charge to students. Fees for services received outside of the clinic are the responsibility of the student. Federal and State regulations require us to protect your health information. No one can get information from a student's medical record without the student's written consent or a court ordered subpoena.

Immunization Requirement - Bacterial Meningitis (ACWY)

If you are attending Texas Southern University for the first time, or you had a break in enrollment of one fall/spring semester and you will not be 22 years old by the first day of class, the State of Texas requires you to submit proof of vaccination against bacterial meningitis (A,C,W,Y). Initial doses must be administered at least 10 days before attending classes. If this is not your first dose, it must be taken within the past 5 years. Detailed information about the immunization requirement and how to submit your immunization record can be found at www.tsu.edu/health (<http://www.tsu.edu/health/>).

Health Insurance

International Students are required to have health insurance and are automatically enrolled and charged for the university-sponsored student health insurance plan. To have the charge removed, students are required to show proof of comparable private health insurance by completing an online waiver by the 20th day of classes.

For assistance with completing the waiver contact the Office of Risk Management. Domestic students have a variety of options for obtaining health insurance including, purchasing the university-sponsored health insurance, remaining on their parent's insurance or purchasing insurance from the provider of their choice.

Health Awareness/Health Promotions

Each semester Student Health Services provides peer-lead outreach programs focusing on the prevention of the spread of communicable diseases. Annual programming includes HIV/STI presentations, health fairs, blood and bone marrow registration drives, and health awareness campaigns. HIV testing is available in the Student Health Center every Wednesday and Friday, during the fall and spring semesters. Additional information about our services can be found at www.tsu.edu/health (https://tigernet365-my.sharepoint.com/personal/derrick_manns_tsu_edu/Documents/Desktop/catalog/www.tsu.edu/health/) or by calling the clinic at (713) 313- 7173.

TRIO STUDENT SUPPORT SERVICES PROGRAM

Funded by the United States Department of Education, Texas Southern University's TRIO Student Support Services Program is designed to provide academic assistance and counseling to "TRIO" eligible students who are pursuing a baccalaureate degree. All services are provided free of cost so as to empower participants to realize their academic and career goals. Specific program services include the following.

Tutoring

All participants are eligible to receive tutoring. Each participant will be assessed by a staff member to identify critical academic support needs. "Learning Enhancement" tutor/mentors will provide academic support assistance in numerous disciplines.

Counseling

The director and project advisor/counselor will interview and assess each eligible applicant. Together, they will identify the student's academic and self-development needs. Additionally, students will have access to career, personal and academic related counseling services.

Workshops

Workshops offered by the program include, but are not limited to, the following: financial aid assistance, test-taking skills, career planning, time management, note-taking skills, GRE, and graduate/professional school information. Each workshop is carefully designed with the student's best interest in mind.

Financial Aid Advisement

The program provides assistance in completing the Free Application for Federal Student Aid (FAFSA) and facilitate workshops relative to accessing financial aid resources, and other Financial Literacy Awareness training.

Cultural Enrichment

Participants are offered an opportunity to attend activities that foster cultural enrichment (e.g., Broadway plays and University theatrical productions, and other diversity, or cultural exposure activities).

Computer/Copier/Internet Access

So as to advance academic research, participants are afforded access to educational support resources such as copiers, computers, laptops, printers, and the internet.

TRIO Student Support Services Program Eligibility Criteria

To qualify for program participation, students must be U.S. citizens or permanent residents and have a need for academic support. Additionally, students must satisfy one of the following criteria:

- Be a first-generation college student (neither parent/nor guardian has a four-year college degree);
- Have an economic need as established by the Department of Education income guidelines; and/or
- Provide documentation to support a disability.

TRIO SSS Location and Hours of Operation

The TRIO Student Support Services main office and tutorial laboratory are in the

Bell Building, Suite 128.

Hours of Operation: 9 a.m. – 6 p.m., Monday thru Friday.

For additional information, please call the TRIO Student Support Services' administrative office at (713) 313-7483/7486.

UNIVERSITY CAREER AND PROFESSIONAL DEVELOPMENT CENTER

TSU Career & Professional Development Center (CPDC) is part of TSU's Division of Student Services. Our comprehensive services are open to all students and alumni. The mission of TSU Career & Professional Development Center (CPDC) is to contribute to the TSU community of learning by providing exceptional career development services that help students apply their education and experiences toward advancing their career goals over a lifetime. The CPDC encompasses five interlocking

components: Career Awareness-Discovering your Path; Exploring Your Options; Job Location – Finding Internships; Professional Development and Career Launch Strategies.

The University Career Center also focuses on developing strong relationships with employers and assisting them in their recruiting needs. Provided services include career fairs, on-campus recruitment, and resume referrals that assist in meeting each organization's needs. If the need is filling internships, cooperative education, or full-time employment opportunities, the Career Center is dedicated to providing each organization/corporation personal and prompt service.

TSU Career & Professional Development Center staff members want to help you learn about your skills and interests, and articulate them confidently in résumés, cover letters, interviews, and personal statements; identify and explore career options that you might pursue; implement an effective strategy to attain your desired career outcomes. We invite you to visit our office, so that we may create an individualized career plan for you!

Whether a student, an alumnus, or an employer, the Career Center is committed to assisting you in meeting your goals. The Center is in the Bell Building, 1st Floor, South (rear) Entrance. Office hours are 8:30am – 5pm, Monday through Friday. For further information, contact us at 713-313-7541 or visit us at www.tsu.edu/careercenter. (<http://www.tsu.edu/careercenter/>) To register with the Career Center, go to tsu.joinhandshake.com. (<https://tsu.joinhandshake.com/>) **P.O.W.E.R.** Providing Opportunities Within Everyone's Reach

Connect with us: @TSUCareerCenter

Facebook: <https://www.facebook.com/tsucareerservices/>

Twitter: <https://twitter.com/tsucareercenter> (<https://twitter.com/tsucareercenter/>)

Instagram: <https://www.instagram.com/tsucareercenter/>

LinkedIn: <http://www.linkedin.com/in/tsucareercenter> (<http://www.linkedin.com/in/tsucareercenter/>)

OFFICE OF VETERAN SERVICES

The Office of Veteran Services functions as part of the Division of Student Services and supports the educational process of servicemen/women and veterans of the Armed Forces of the United States, their spouses and/or dependents who are eligible for educational benefits at the University. Areas of services include:

- Texas Southern University Office of Veteran Affairs (TSUOVA)
- Texas Southern University Veterans Resource Center (TSUVRC)
- Reserve Officers' Training Corps Programs (ROTC)
- Other Affiliated Programs and Services

Basic educational eligibility requirements include the DD214 (Member 4 or Service 2), official military Joint Services Transcript (JST), and the Certificate of Eligibility (COE) from the Department of Veterans Affairs. The office's primary mission is providing advising and assistance to facilitate acquiring educational benefits from the Veterans Administration (VA) and Texas Veterans Commission (TVC) programs.

The Texas Southern University Office of Veteran Services also provides numerous programs to assist with the transitional processes involved with our returning veterans and their families. We have a University Counseling Center on campus as well as provide referrals to the

Houston VA Medical Hospital. Opportunities also exist for student employment with the VA Federal Work-Study program and the TSU Career and Professional Development department. There is also a Resource Center within the department for use by VA students. To inquire about any VA benefits, programs, or resources, please contact us at (713) 313-7862 or via email at veteransaffairs@tsu.edu. You may also find information online at www.tsu.edu/veterans (<http://www.tsu.edu/veterans/>), the U.S. Department of Veterans Affairs website at www.va.gov (<http://www.va.gov/>) or the Texas Veterans Commission website at www.tvc.texas.gov (<http://www.tvc.texas.gov/>).

Veterans (VA) Benefits (Federal)

VA education benefits include Chapter 30, 31, 33, 35, 1606 and 1607, and Tuition Assistance. Students are reminded that federal law does not allow for the University to process out of state tuition/fees. The student has the responsibility to provide the residency application to the Office of Veteran Services for approval and forwarding to the TSU Office of the Registrar for final processing (waiver, not to be confused with in-state tuition/fees).

Texas Hazlewood Act (State)

Information for eligibility and the application for the Hazlewood Act can be found at www.tvc.texas.gov (<http://www.tvc.texas.gov/>). Additional required document information is located at www.tsu.edu/veterans (<http://www.tsu.edu/veterans/>). Students are reminded to comply with timelines, GPA/SAP eligibility and in-state requirement for Veteran and dependents (some exclusions apply).

Veterans Priority Registration/Processing

Veterans receive priority registration for all semesters 1 week prior to regular student registration. Current and prospective students are encouraged to begin the benefits application process at least 45 days prior to Veterans Registration. Early submission of all required documentation is processed in the order received granted all required paperwork and documentation has been received by the Office of Veteran Services ensures delivery of benefits in a timely manner.

Reserve Officer Training Corps (ROTC)

Texas Southern University has a Reserve Officer Training Corps (ROTC) program. Students interested in joining ROTC can contact Mr. Roland Thomas at 713-313-4857.

Pending Payment Compliance

In accordance with Title 38 US Code 3679(e), Texas Southern University adopts the following additional provisions for any students using U.S. Department of Veterans Affairs (VA) Post-9/11 G.I. Bill (Ch. 33) or Vocational Rehabilitation & Employment (Ch. 31) benefits, while payment to the institution is pending from VA. Texas Southern University will not:

- Prevent the student's enrollment;
- Assess a late penalty fee to the student;
- Require the student to secure alternative or additional funding;
- Deny the student access to any resources (access to classes, libraries, or other institutional facilities) available to other students who have satisfied their tuition and fee bills to the institution.

However, to qualify for this provision, such students are required to:

- Provide a written request each semester to be certified by submitting a Semester Benefits form;

- Provide all additional information needed to properly certify the enrollment as described in the Federal Benefits Packet located on the Military & Veterans Affairs webpage;
- Submit all required certification documents each semester **prior to the terms Census Date**.

Statement of Ethical Principles

- Americans with Disabilities Act (ADA)/Section 504 Policy (p. 47)
- Student Accessibility Services Office (SASO) (<https://catalog.tsu.edu/graduate/statement-ethical-principles/student-accessibility-services-office-saso/>)
- Substance Abuse Prevention, Education, and Intervention Program (SAPEI) (p. 48)
- Title IX Grievance Procedures (p. 36)

Title IX Grievance Procedures

I. Purpose and Scope

It is the policy of Texas Southern University not to discriminate on the basis of sex in its educational programs and activities as required by Title IX of the Education Amendments of 1972. Title IX provides that "No person in the United States shall, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity receiving Federal financial assistance. Title IX Sex discrimination includes Sexual Harassment, Sexual Assault, Domestic Violence, Dating Violence, and Stalking. The Title IX Grievance policy shall apply to all students, staff, faculty, contractors, vendors, and/or visitors to Texas Southern University.

As a student of the University, Title IX Sex discrimination also applies and protects students from sex discrimination in areas including, but not limited to:

- Admission to Schools/Colleges
- Access to Enrollment in Courses
- Access to and Use of School Facilities
- Counseling and Guidance Materials, Tests and Practices
- Vocational Education
- Physical Education
- Competitive Athletics
- Graduation Requirements
- Student Rules, Regulations and Benefits
- Treatment as a Married And/or Pregnant Student
- Housing
- Financial Assistance
- Health Services
- School-Sponsored Extracurricular Activities

As an employee of the University you are protected from sex discrimination in areas including, but not limited to:

- Employment, evaluation, wages, advancement, assigned duties and shifts
- Career advancement
- Other terms and conditions of employment

II. Definitions

- **Consent.** Consent is an informed and freely and affirmatively communicated willingness to participate in a particular sexual activity. Consent can be expressed either by words or by clear and unambiguous actions, as long as those words or actions create mutually understandable permission regarding the conditions of each instance of sexual activity. It is the responsibility of the person who wants to engage in the sexual activity to ensure that s/he has the consent of the other to engage in each instance of sexual activity. (The definition of consent for the crime of sexual assault in Texas can be found at Texas Penal Code, Section 22.011.)
 - The University will consider the following factors in determining whether consent was provided:
 - Consent is a voluntary agreement or assent to engage in sexual activity;
 - Someone who is incapacitated cannot consent;
 - Consent can be withdrawn at any time;
 - Past consent does not imply future consent;
 - Silence or an absence of resistance does not imply consent;
 - Consent to engage in sexual activity with one person does not imply consent to engage in sexual activity with another;
 - Coercion, force, or threat invalidates consent; and
 - Being intoxicated or under the influence of alcohol, drugs, or any other substance is never an excuse for engaging in sexual misconduct.
- **Incapacitation.** Incapacitation (or incapacity) is the state in which an individual's perception or judgment is so impaired that the individual lacks the cognitive capacity to make or act on conscious decisions. The use of drugs or alcohol can cause incapacitation. An individual who is incapacitated is unable to consent to a sexual activity. Engaging in sexual activity with an individual who is incapacitated (and therefore unable to consent), where an individual knows or ought reasonably to have understood that the individual is incapacitated, constitutes Title IX Sexual Misconduct as defined by this Policy.
- **Sex Discrimination.** Sex discrimination can occur when conduct is directed at a specific individual or a group of identifiable individuals that adversely affects the education or employment of the individual or group because of sex. Behaviors that may be sex discrimination include, but are not limited to:
 - Exclusion from educational resources or activities because of one's gender
 - Subjection to jokes or derogatory comments about one's gender; or
 - Being held to different standards or requirements on the basis of one's gender
- **Sexual Harassment.** Sexual harassment is a form of sex discrimination that can occur when there are:
 - Unwelcome sexual advances;
 - Request for sexual favors, whether or not accompanied by promises or threats relating to the employment or academic relationship, or that in any way influence any academic or personnel decision regarding a person's academic standing, employment, evaluation, wages, advancement, assigned duties, shifts or any other condition of employment, career or academic development;
 - Any verbal or physical conduct of a sexual nature that threatens or implies, either explicitly or implicitly, that an employee's or student's submission to or rejection of sexual advances will in any way influence any personnel or academic decision regarding his or her academic standing, employment, evaluation, wages, advancement, assigned duties, shifts or any other condition of employment, career or academic development;
 - Any verbal or physical conduct that has the purpose or effect of substantially interfering with an employee's ability to do his or her job or a student's academic standing, performance or development;
 - Any verbal or physical conduct that has the purpose or effect of creating an intimidating, hostile or offensive working or educational environment; and
 - Certain conduct in the workplace or educational environment, whether physical or verbal, committed by supervisors, non-supervisory personnel, or faculty, including but not limited to references to an individual's body; use of sexually degrading words to describe an individual; offensive comments; off-color language or jokes; innuendoes; and sexually suggestive objects or behavior, books, magazines, photographs, cartoons or pictures.
- **Title IX Sexual Harassment:** Unwelcome sexual conduct determined by a reasonable person to be so severe, pervasive, and objectively offensive that it effectively denies an individual equal access to the University's education program or activity;
- **Quid Pro Quo Sexual Harassment:** An employee of the University conditioning the provision of an aid, benefit, or service of the University on an individual's participation in unwelcome sexual conduct;
- **Sexual Assault.** Sexual Assault: Any sexual act directed against another person, without the consent of the victim, including instances where the victim is incapable of giving consent. Sexual assault can occur between individuals of the same or different sexes and/or genders. This includes the following:
 - **Rape:** The carnal knowledge of a person, without the consent of the victim, including instances where the victim is incapable of giving consent because of their age or because of their temporary or permanent mental or physical incapacity;
 - **Sodomy:** Oral or anal sexual intercourse with another person, without the consent of the victim, including instances where the victim is incapable of giving consent because of their age or because of their temporary or permanent mental or physical incapacity;
 - **Sexual Assault with an Object:** To use an object or instrument to unlawfully penetrate, however slightly, the genital or anal opening of the body of another person, without the consent of the victim, including instances where the victim is incapable of giving consent because of their age or because of their temporary or permanent mental or physical incapacity;
 - **Fondling:** The touching of the private body parts of another person for the purpose of sexual gratification, without the consent of the victim, including instances where the victim is incapable of giving consent because of their age or because of their temporary or permanent mental or physical incapacity;
 - **Incest:** Sexual intercourse between persons who are related to each other within the degrees wherein marriage is prohibited by law; or
 - **Statutory Rape:** Sexual intercourse with a person who is under the statutory age of consent.
- **Dating Violence.** Violence committed by an individual who is or has been in a social relationship of a romantic or intimate nature with the victim. The existences of such a relationship shall be determined based on the reporting individual's statement and with consideration of the length of the relationship, the type of relationship, and the frequency of interaction between the individuals involved in the

relationship. This includes, but is not limited to, sexual or physical abuse or the threat of such abuse.

- Domestic Violence. A felony or misdemeanor crime of violence committed:
 - By a current or former spouse or intimate partner of the victim;
 - By an individual with whom the victim shares a child in common;
 - By an individual who is cohabitating with, or has cohabitated with, the victim as a spouse or intimate partner;
 - By an individual similarly situated to a spouse of the victim under the domestic or family violence laws of the jurisdiction in which the felony or misdemeanor crime of violence occurred;
 - By any other individual against an adult or youth victim who is protected from that individual's acts under the domestic or family violence occurred.
- Stalking. Engaging in course of conduct directed at a specific individual that would cause a reasonable person to:
 - Fear for the individual's safety or the safety of others;
 - Suffer substantial emotional distress;

For purposes of the stalking definition:

- Course of conduct means two or more acts, including acts in which the stalking directly, indirectly, or through third parties, by any actions, method, device, or means;
- Follows, monitors, observes, surveils, threatens, or communicates to or about an individual, or interferes with an individual's property.

III. Filing Complaints

- Texas Southern University (TSU) encourages any student, employee or visitor who thinks that they have been subjected to sex discrimination, sexual harassment, sexual assault, dating violence, domestic violence, or stalking by another student, member of the faculty or staff, campus visitor or contractor, to report that action immediately to the University's Title IX Coordinator.
- There is no time limit when filing complaints of sex discrimination, sexual harassment, sexual assault, dating violence, domestic violence, or stalking made under the Title IX Grievance policy.
- All TSU employees are Responsible Employees and required to report incidents of sex discrimination, sex harassment, sexual assault, dating violence, domestic violence, or stalking that come to their attention during the course of their employment to the University's Title IX Coordinator.
- All other individuals (e.g. students, visitors) are urged to report to incidents they believe involve sex discrimination, sexual harassment, sexual assault, dating violence, domestic violence or stalking to the University's Title IX Coordinator.
- University employees designated as Confidential Employees are not required to report details about an incident involving sex discrimination, sexual harassment, sexual assault, dating violence, domestic violence, or stalking do not report to the University's Title IX Coordinator.

IV. Notice of Title IX Coordinator/Deputy Coordinators

While compliance with the law is everyone's responsibility at the University, listed below are the University's Title IX Coordinator, Deputy Coordinators and Investigators who have primary responsibility for Title IX compliance.

Office of Title IX

Title IX Coordinator:

Dr. Cynthia Buckley

Hannah Hall 127 B

Texas Southern University

Houston, TX 77004

713.313.7037

cynthia.buckley@tsu.edu

Deputy Title IX Coordinator in Athletics

Dr. Dwalah Fisher

Senior Woman Administrator - Athletics

Health & Physical Education Building, Room 114

Texas Southern University

Houston, Texas 77004

(713) 313- 7272

Dwalah.Fisher@tsu.edu

Title IX Liaison in Thurgood Marshall College of Law

Cheryl Cash

Law Professor, Thurgood Marshall College of Law

Texas Southern University

Houston, Texas 77004

713.313.4216

Cheryl.cash@tsu.edu

Duties and responsibilities of the Title IX Coordinator include monitoring and oversight of overall implementation of Title IX compliance at the University, including, but not limited to coordination of training, education, communications, and administration of grievance procedures for faculty, staff, students and other members of the University community.

Individuals who believe they have experienced sex discrimination, sexual harassment, sexual assault, dating violence, domestic violence and stalking may file complaints:

Online: visit the Office of Title IX's website at www.tsu.edu/titleix (<http://www.tsu.edu/titleix/>)

Email: titleix@tsu.edu

Phone: 713.313.1371

Gender Equity in Athletics

If you have a complaint about gender equity in TSU athletic programs, you should contact the Title IX Coordinator or Deputy Title IX Coordinator in Athletics, regarding Title IX compliance in matters relating to gender equity in TSU athletic programs.

For Sexual Assault:

To file a complaint of sexual assault, you may contact one of the offices listed above, and you may also contact:

TSU Department of Public Safety

Texas Southern University

3443 Blodgett Street

Houston, Texas 77004

(713) 313-7000 (Emergency)

(713) 313-7001 (Non-emergency)

U.S. Department of Education, Office for Civil Rights

You may also file a complaint of illegal discrimination with the Dallas regional office of the U. S. Department of Education's Office for Civil Rights (OCR).

Contact information for OCR:

1999 Bryan Street, Suite 1620

Dallas, Texas 75201 (214) 661-9600

OCR.Dallas@ed.gov

Confidentiality

The term "confidentiality" refers to circumstances under which information will or will not be disclosed to others. In accordance with federal regulations, the University will keep confidential the identity of any individual who makes or has made a Report or Formal Complaint under the Title IX Grievance Policy, including any Complainant, any individual who has been reported to be the Respondent, and any Witness, except as may be permitted by Family Educational Rights and Privacy Act (FERPA), or as required by law, or to carry out the purposes of conducting any investigation or hearing under this Policy. Individuals are encouraged to familiarize themselves with their options and responsibilities, and make use of Confidential Employees and support services, when determining their preferred course of action.

Issues of privacy and confidentiality play important roles in this Policy and may affect individuals differently. Requests for confidentiality or use of anonymous reporting may limit the University's

ability to investigate alleged violations of the University's Title IX Grievance policy. Also, in some circumstances, the reporting responsibilities of University employees, the University's obligation to respond promptly and effectively to individuals who experience, and the University's responsibility to investigate, may conflict with the preferences of the Complainant and/or Respondent with regard to privacy and confidentiality. University employees who are not designated Confidential Employees are required to notify the Title IX Coordinator of suspected violations of this Policy and cannot guarantee the confidentiality of a report under this policy.

V. Informal Resolution Procedures

The Informal Resolution process is a voluntary, remedies based process designed to provide parties with an option to resolve disputes in a forum that is separate and distinct from the University's formal grievance processes under the Title IX Grievance Policy and Procedures. The

purpose of the Informal Resolution Process is to eliminate the conduct which has been reported by the Complainant (and prevent its recurrence), and place both individuals in a position to pursue their academic, working, and non-academic interests in a safe, respectful, and productive educational and working environment. Under this process, there will be no disciplinary action taken against a Respondent, and the resolution will not appear on the Respondent's disciplinary record. Subject to approval by the Title IX Coordinator, the Informal Resolution Process is available in matters involving a student or employee Complainant and a student Respondent as well as matters involving an employee Complainant and an employee Respondent; the Informal Resolution Process is not available in matters involving student Complainant and an employee Respondent.

VI. Formal Resolution Procedures

The University will respond to Reports or Formal Complaints of sex discrimination, sexual harassment, sexual misconduct, dating violence, domestic violence, or stalking with supportive measures designed to stop the prohibited conduct, prevent its recurrence, and remediate any adverse effects of such conduct on campus or in University related programs and activities. The University is committed to providing a prompt and impartial investigation and adjudication of all Formal Complaints alleging violations of this Policy. During the grievance process, both parties (Complainant and Respondent) have equal rights to participate.

1. Filing of a Complaint. There are no time limits when filing a complaint with the Office of Title IX. A complaint can only be filed by the individual who experienced the prohibited conduct or by the Title IX Coordinator
2. A complaint may be filed:

Online: Office of Title IX's website at www.tsu.edu/titleix (<http://www.tsu.edu/titleix/>)

Live Safe App: Title IX Live Safe Card

Email: titleix@tsu.edu

Phone: 713.313.1371

3. Sex discrimination, sexual harassment, and sexual misconduct, dating violence, domestic violence, and stalking must meet the following requirements:

1. Occurs within the United States; and
2. Occurs within the University's education program or activity, meaning:
 - a. Locations, events, or circumstances over which the University exercises substantial control over both the Respondent and the context in which the Title IX sexual misconduct occurs, and
 - b. Any building owned or controlled by a student organization that is officially recognized by the University; and
3. At the time of filing a formal complaint, the Complainant is participating in or attempting to participate in an educational program or activity at the University.

4. Receipt of a Complaint. Upon receipt of a formal complaint, the Title IX Coordinator will respond to any immediate health or safety concerns raised. Upon receipt of a formal complaint, the Title IX Coordinator will provide written notice to the parties who are known which includes:

1. Notice of allegations potentially constituting Title IX Sexual Misconduct, including sufficient details known at the time and with sufficient time to prepare a response before any initial interview.

Sufficient details include the identities of the parties involved in the incident, the conduct allegedly constituting Title IX Sexual Misconduct, and the date and location of the alleged incident.

2. A statement that the Respondent is presumed not responsible for the alleged conduct and that a determination regarding responsibility is made at the conclusion of the grievance process.
 3. Notice that the parties may have an advisor of their choice, who may be, but is not required to be an attorney.
 4. Notice that the parties may inspect and review evidence, as described below.
 5. Notice of any provision in the University's code of conduct and/or this policy that prohibits knowingly making false statements or knowingly submitting false information during the grievance process.
5. Acceptance of a Complaint. The Title IX Coordinator will conduct an initial assessment for the purpose of determining whether the alleged conduct, if substantiated, would constitute Title IX Sexual Misconduct prohibited under this Policy. The University will seek to complete this initial assessment within ten (10) business days of receipt of the Formal Complaint.
1. The Title IX Coordinator shall initiate an investigation of the allegations. However, if the Title IX Coordinator deems the Formal Complaint appropriate for the informal resolution process, upon the consent of both parties, the Title IX Coordinator may instead refer the matter to the informal resolution process.
 2. If the allegations forming the basis of the Formal Complaint would not, if substantiated, constitute Title IX Sexual Misconduct, did not occur in the University's education program or activity, or did not occur against a person in the United States, the Title IX Coordinator shall dismiss the Formal Complaint from the Title IX grievance process.
 3. If the Title IX Coordinator deems the Formal Complaint appropriate for the informal resolution process, upon the consent of both parties, the Title IX Coordinator may instead refer that matter to the informal resolution process.
 4. If the Title IX Coordinator deems it appropriate, the Title IX Coordinator may refer the matter to another officer for review.
6. Mandatory dismissal of Complaint. The Title IX Coordinator shall dismiss a complaint when the following is determined:
1. If the allegations forming the basis of the Formal Complaint would not, if substantiated, constitute Title IX Sexual Misconduct,
 2. The alleged conduct did not occur in the University's education program or activity, or
 3. The alleged conduct did not occur against a person in the United States, the Title IX Coordinator shall dismiss the Formal Complaint from the Title IX grievance process (and either party may appeal this dismissal).
 4. However, if appropriate, the Title IX Coordinator may refer the matter to the University Sexual Misconduct process or to another office for review;
 5. If the Title IX Coordinator deems the Formal Complaint appropriate for the informal resolution process, upon the consent of both parties, the Title IX Coordinator may instead refer the matter to the informal resolution process.
7. Discretionary dismissal of complaint. At any time prior to the hearing, the University may dismiss a Formal Complaint if:
1. The Complainant notifies the Title IX Coordinator in writing that the Complainant wishes to withdraw the Formal Complaint or any allegations therein;
 2. The Respondent is no longer enrolled or employed by the University; or
 3. Specific circumstances prevent the University from gathering sufficient evidence to reach a determination as to the Formal Complaint or the allegations therein;
 4. Upon dismissal, the University shall promptly send written notice of the dismissal and reason(s) therefore simultaneously to the parties via written or electronic format;
 5. Both parties will have equal right to appeal the dismissal through the appeal process described in MAPP 02.05.09.
 6. The determination regarding dismissal becomes final either on the date that the parties are provided with the written determination of the result of an appeal, if an appeal is filed, or if an appeal is not filed, the date on which an appeal would no longer be considered timely. Once final, a complainant cannot file a Formal Complaint under this Policy concerning the same alleged conduct.
8. Complaint Investigation. A trained investigator shall conduct the investigation of a formal complaint referred for investigation by the Title IX Coordinator.
1. The University shall provide an equal opportunity for the parties to present witnesses, including fact and expert witnesses, and other inculpatory and exculpatory evidence, during the investigation.
 2. The University shall not restrict the ability of either party to discuss the allegations under investigations or to gather and present relevant evidence.
 3. The parties shall have the same opportunities to have others present during any grievance proceeding, including the opportunity to be accompanied to any related meeting or interview by the advisor of their choice, who may be, but is not required to be, an attorney, and not limit the choice or presence of advisor for either party in any meeting or grievance proceeding; however, an advisor may not actively participate in any meeting or interview, but may only observe any such meeting or interview for purposes of advising the parties. The University is not required to provide a party an advisor other than a Hearing Advisor.
 4. The University shall provide, to a party whose participation is invited or expected, written notice of the date, time, location, participants, and purpose of all hearings, investigative interviews, or other meetings, with sufficient time for the party to prepare to participate.
 5. The University shall provide both parties an equal opportunity to inspect and review any evidence obtained as part of the investigation that is directly related to the allegations raised in the Formal Complaint, including the evidence upon which the University does not intend to rely in reaching a determination regarding responsibility and inculpatory or exculpatory evidence whether obtained from a party or other source, so that each party can meaningfully respond to the evidence prior to conclusion of the investigation.
 6. Prior to completion of the investigative report, the University must send to each party and the party's advisor, if any, the evidence subject to inspection and review in an electronic format or a hard copy, and the parties must have at least 10 days to submit a written response, which the investigator will consider prior to completion of the investigative report. The recipient must make all such evidence subject to the parties' inspection and review available at any hearing

- to give each party equal opportunity to refer to such evidence during the hearing, including for purposes of cross-examination.
7. The investigator shall draft an investigative report that fairly summarizes relevant evidence and, at least 10 days prior to the hearing, send to each party and the party's advisor, if any, the investigative report in an electronic format or a hard copy, for their review and written response. The parties' written response shall be submitted no later than five (5) business days prior to the hearing.
 8. Upon completion of the investigation by a Title IX investigator, the University will hold a live hearing during which both parties' advisors will have the opportunity to present relevant evidence and ask questions of the parties and Witnesses.
 9. Preparing for the Hearing. The Title IX Coordinator will schedule a hearing within fifteen (15) business days from the conclusion of the investigation.
 1. Once the hearing is scheduled, requests to reschedule the hearing must be submitted in writing to the Title IX Coordinator and will be considered by the Hearing Officer.
 2. The Complainant and Respondent(s) will be notified of the identity of the Hearing Officer for their hearing. Within five (5) business days of this notification, the Complainant and Respondent(s) have the opportunity to object in writing to the Hearing Officer for cause, including any alleged conflict of interest or bias.
 3. The Title IX Coordinator, in consultation with the Hearing Officer, will consider any objection and replace the Hearing Officer if appropriate. In the event that the Hearing Officer recuses themselves, an alternative hearing officer will be assigned. No later than five (5) business days prior to the hearing, all materials that will be used by the parties at the hearing must be submitted to the Title IX Coordinator. The Title IX Coordinator will simultaneously make this material available for inspection or provide the materials to both parties as well as the Hearing Officer. The materials must include:
 - i. All documents and other tangible evidence that will be used as evidence during the hearing;
 - ii. The names of any Witnesses and a brief summary concerning the subject matter of the Witness' expected testimony;
 - iii. The name of any advisor to attend the hearing and whether that person is an attorney; and
 - iv. No Witness, document, or tangible evidence will be permitted at the hearing unless such information was timely submitted.
 - d. It is the responsibility of the party wanting to present a witness to secure that witness.
 10. Title IX Hearing. The hearing process is as follows:
 1. The live hearing will be held in accordance with process set forth in MAPP 02.05.09.
 2. Standard of Evidence. In all cases before a Hearing Officer, the standard of proof is a preponderance of evidence. A finding of responsibility by a preponderance of the evidence means that it is more likely than not, based on all the reasonable evidence presented, that the Respondent violated this Policy. The burden of proof is on the University. By law, it is presumed that the Respondent is not responsible for the alleged conduct unless that determination regarding responsibility is made at the conclusion of the grievance process.
 3. The hearing shall be no more than four (4) hours in length, unless the Hearing Officer determines that exceptional circumstances exist justifying a longer hearing. The time of the hearing for opening and closing statements, presenting evidence, and examination of witnesses shall be divided equally among the parties, and each party may not exceed their allotted time for these portions of the hearing.
 4. At the request of either party, the University will provide the parties separate rooms and use technology so that the Hearing Officer and parties may simultaneously see and hear the questions. The live hearing may also take place virtually.
 5. An audio and/or video recording of the hearing will be kept for the use of the Hearing Officer and for any appeal. The parties and their Hearing Advisors may request to review the recording.
 6. Evidence that is not relevant or admissible:
 - i. Information protected by a legally recognized privilege.
 - ii. Evidence about a Complainant's prior sexual history cannot be used to prove character or reputation and may only allowed to prove that someone other than the Respondent committed the alleged conduct or if offered to prove consent.
 - iii. Any party's medical, psychological, and similar records unless the party has given voluntary written consent.
 - iv. If a party or Witness does not submit to cross-examination at the live hearing, the Hearing Officer must not rely on any statement of that party or Witness in reaching a determination regarding responsibility. The Hearing Officer cannot draw an inference about the determination regarding responsibility based solely on a party's or Witness' absence from the live hearing or refusal to answer cross-examination or other questions. This exclusion shall not apply to a Respondent's alleged verbal conduct that itself constitutes the alleged Title IX Sexual Misconduct at issue.
 - v. Hearsay exceptions such as statements against a party's interest or death or disability of a party or Witness are not recognized in Title IX Hearings.
 - vi. Similarly, police reports, SANE reports, medical reports, and other documents and records may not be relied on to the extent they contain the statements of a party or Witness who has not submitted to cross-examination.
 - g. Evidence Exceptions. Evidence or statements that have not been subject to cross examination at a live hearing may be submitted in the following circumstances:
 - i. If the evidence involves intertwined statements of both parties (e.g., a text message exchange or e-mail thread) and one party refuses to submit to cross-examination and the other does submit, the statements of one party cannot be relied on but the statements of the other party may be relied on.
 - ii. Where a Complainant refuses to answer cross-examination questions, but video evidence exists showing the underlying incident, the Hearing Officer may still consider the available evidence and make a determination.
 - iii. Where a grievance process is initiated because the Title IX Coordinator, and not the Complainant, signed the Formal Complaint, the Complainant who did not wish to initiate a grievance process remains under no obligation to then participate in the grievance process.

h. A designated representative may be present at a hearing to serve as a resource to the Hearing Officer for sanctioning purposes in the case of a finding. If there is a finding of responsibility, the Hearing Officer will coordinate with the following departments to issue sanctions and remedies as appropriate.

i. Any finding against a student Respondent must be addressed through the Dean of Students Office. The designated Representative will determine sanctions and/or remedies consistent with the University's policies and procedures related to student conduct/discipline.

ii. A Hearing Advisor is responsible for advising and acting on behalf of a named party as to presentation of Witnesses. Each party may have one (1) Hearing Advisor. If a party does not have a Hearing Advisor present at the live hearing, the University must provide without fee or charge to that party, a Hearing Advisor of the University's choice, who may be, but is not required to be, an attorney.

i. A Hearing Advisor may present evidence, question witnesses, and will conduct cross examination of the parties and Witnesses. Each party will present their own opening and closing statements, which will be limited to fifteen (15) minutes each.

j. Parties must adhere to the rules of decorum.

i. Complainants and Respondents are precluded from conducting cross-examination personally. The only method for conducting cross-examination is by a party's Hearing Advisor.

ii. Parties shall not address each other during the hearing.

k. Hearing Advisors must adhere to the rules of decorum.

i. Hearing Advisors shall address all remarks outside of cross examination to the Hearing Officer, not to the opposing Hearing Advisor or the opposing party.

ii. Hearing Advisors and the parties shall refrain from making any comments after the Hearing Officer has issued a determination.

iii. Hearing Advisors and parties shall not cause unreasonable delays by failing to schedule or appear for a meeting as requested by a Hearing Officer.

l. The role of the Hearing Officer is to determine whether or not there is a finding of a violation of the University's Title IX Grievance Policy & Procedures. The finding(s) will be determined using a preponderance of the evidence standard; that is, whether it is more likely than not that a Respondent violated this Policy. Also, the Hearing Officer will make determinations on admissibility.

i. The Hearing Officer may determine the relevance of, and place restrictions on, any Witness testimony or questions or information presented. The Hearing Officer has the responsibility to determine the relevancy of questions and explain in real time any decision not to permit a question to be asked.

ii. The Hearing Officer has the authority to dismiss a Hearing Advisor who, in the Hearing Officer's judgement, is badgering or harassing a witness or party. Should the Hearing Officer dismiss a party's Hearing Advisor, the hearing shall be suspended until that party is assigned or obtains a new Hearing Advisor.

11. Written Determination, Findings, and Sanctions. The Written Determination will contain both the finding(s) and the sanctions or remedies, if applicable, and will be provided to the parties simultaneously.

1. The Written Determination will include the following statements from the Hearing Officer:

i. Identification of the allegations at issue;

ii. Description of the procedural steps taken throughout the case including any notifications to the parties, interviews with parties and Witnesses, site visits, methods used to gather other evidence, and hearings held;

iii. Findings of fact supporting the determination;

iv. Conclusions regarding the application of the Sexual Misconduct Policy;

v. A statement and rationale as to the determination for each allegation; and

iv. A statement of any disciplinary sanctions imposed on the Respondent and whether any remedies will be provided to the Complainant.

vii. The Written Determination will also include a description of the procedures and permissible grounds for appeal.

b. Remedies: Regardless of the finding(s), and in addition to sanctions that may be imposed pursuant to the appropriate disciplinary policy, the University will take appropriate action(s) to resolve Formal Complaints of sexual misconduct, prevent any recurrence and, as appropriate, remedy any effects. These actions may include the following:

i. Ensuring the Complainant and Respondent do not share classes, working environments, or extracurricular activities;

ii. Making modifications to the on-campus living arrangements of a Respondent or Complainant (if the Complainant requests to be moved);

iii. Providing comprehensive, services including medical, counseling, and academic support services such as tutoring;

iv. Determining whether the Sexual Misconduct adversely affected the Complainant's University standing and providing a remedy for same;

v. In conjunction with University leaders, conducting a University climate check to assess the effectiveness of efforts to ensure that the University is free from Sexual Misconduct, and using that information to inform future proactive steps that the University will take; and

vi. Providing targeted group training.

vii. These remedies are separate from, and in addition to, any Support Measures that may have been provided before the end of the University's investigation. If the Complainant did not take advantage of a specific service (e.g., counseling) when offered as a support measure, the Complainant should still be offered, and is still entitled to, appropriate final remedies that may include services the Complainant declined as a support measure.

c. Sanctions: The sanctions for a finding of a violation under this Policy will be commensurate with the offense and may include, but are not limited to, the following:

- i. Probation (including disciplinary probation);
- ii. Temporary or permanent ban from campus locations (such as residence hall communities);
- iii. Educational programs such as state-certified batterer's intervention;
- iv. Ban from participating in campus organizations or activities;
- v. Disqualification from employment or student leadership positions;
- vi. Withholding of transcripts, grades, diploma, or degree;
- vii. Partial or full criminal trespass;
- viii. Suspension from employment and/or enrollment;
- ix. Revocation of admission;
- x. Expulsion:
- xi. If a student is issued a sanction that makes them ineligible to reenroll in the University, the University will include on the student's transcript a notation stating that the student is ineligible to reenroll in the University for a reason other than an academic or financial reason.

xii. On the student's request, the University may remove the notation from a student's transcript if the student is eligible to reenroll in the University or the University determines that good cause exists to remove the notation.

12. Investigation Time. The Office of Title IX will attempt to complete investigations within sixty (60) calendar days. However, additional time may be necessary to complete an investigation. When additional time is necessary, the Office of Title IX will notify the involved parties in writing.

13. Appeal. The Complainant and the Respondent(s) both have the right to appeal to the Title IX Coordinator.

1. The Complainant or Respondent may appeal a Title IX dismissal or Written Determination by submitting their written appeal to the Title IX Coordinator within five (5) business days from the date they receive the Title IX dismissal or Written Determination.
2. The appealing party may appeal the dismissal, finding, sanction, or remedy.
3. The non-appealing party will be notified of the appeal and be permitted to submit a written statement in response within five (5) business days of receiving notice of the appeal.
4. Grounds for Appeal may include the following:
 - i. Procedural irregularity that affected the outcome of the matter, including failure to objectively evaluate all relevant evidence, including inculpatory and exculpatory evidence;
 - ii. New evidence that was not reasonably available at the time the determination regarding responsibility or dismissal was made, that could significantly affect the outcome of the matter;
 - iii. The Title IX Coordinator, investigator(s), Hearing Officer, or designated representative had a conflict of interest or bias for or against Complainants or Respondents generally or the individual Complainant or Respondent that affected the outcome of the matter; and

iv. Parties may appeal erroneous determinations on the relevancy of evidence submitted during the Live Hearing if they significantly affected the outcome.

14. As required by Federal law, any disclosure of the findings and decision in regard to student disciplinary proceedings will be governed by the provisions of the Family Educational Rights and Privacy Act.

15. Supportive measures (also known as interim measures or support services:

1. Upon receipt of a Report or Formal Complaint of a violation of this Policy, the University, through the Title IX Coordinator, will promptly contact the Complainant to discuss the availability of supportive measures, consider the Complainant's wishes with respect to supportive measures, inform the Complainant of the availability of supportive measures with or without the filing of a Formal Complaint, and explain to the complainant the process for filing a Formal Complaint. The University will also consider supportive measures, as appropriate and reasonably available, for the Respondent.
2. These supportive measures are designed to restore or preserve equal access to the University's educational and working programs or activities without unreasonably burdening the other party, including measures designed to protect the safety of all parties and the broader University community, or deter sexual harassment. While a supportive measure may impose some restrictions on a party, it will not unreasonably burden them. The University may provide supportive measures to the Complainant or Respondent, as appropriate, as reasonably available, and will do so without fee or charge, regardless of whether the Complainant seeks formal disciplinary action. Once supportive measures are approved, the parties or affected individuals will be notified in writing of the supportive measures. The University will maintain any supportive measures provided to the Complainant or Respondent as confidential to the extent possible.

16. Interim/support measures may include:

1. Counseling;
2. Extensions of deadlines or other course-related adjustments;
3. Modifications of work or class schedules to ensure the Complainant and Respondent do not share classes, working environments, or extracurricular activities;
4. Campus escort services - LiveSafe-Safe walk;
5. Mutual restrictions on contact between the parties;
6. Changes in work or housing locations (if the Complainant requests to be moved);
7. Leaves of absence;
8. Increased security and monitoring of certain areas of the campus; and/or
9. Any other measure that can be used to achieve the goals of this Policy.

17. Requests for supportive measures may be made by or on behalf of the Complainant or Respondent to the Title IX Coordinator. The Title IX Coordinator is responsible for ensuring the implementation of supportive measures and coordinating the University's response with the appropriate offices on campus.

18. Emergency removal:

1. In connection with this Policy, whether or not a grievance process is underway, the University may summarily remove an individual

from an education program or activity on an emergency basis, after undertaking an individualized safety and risk analysis, and upon the determination that the individual poses an immediate threat to the physical health or safety of any student or other individual (including themselves, the Respondent, the Complainant, or any other individual). In these situations, the University will provide the individual with notice and an opportunity to challenge the decision immediately following the removal.

19. Effect of Criminal Proceedings. Because sexual assault may constitute both a violation of University policy and criminal activity, the University encourages students to report alleged sexual assaults promptly to University and/or local law enforcement agencies. Criminal investigations may be useful in the gathering of relevant evidence, particularly forensic evidence. Because the standards for finding a violation of criminal law are different from the standards for finding a violation of this Policy, criminal investigations or reports are not determinative of whether sexual assault, for purposes of this Policy, has occurred. In other words, conduct may constitute sexual assault under this Policy even if law enforcement agencies lack sufficient evidence of a crime and therefore decline to prosecute.

1. The filing of a complaint of sexual assault under this Policy is independent of any criminal investigation or proceeding, and (except that the University's investigation may be delayed temporarily while the criminal investigators are gathering evidence) the University will not wait for the conclusion of any criminal investigation or proceedings to commence its own investigation and take interim measures to protect the Complainant and the University Community, if necessary.

20. Retaliation Prohibited. Retaliation under this Policy: The University takes reports within jurisdiction of this Policy very seriously and will not tolerate retaliation against those who make such reports or participate in the investigatory or adjudicatory process. Retaliation includes, but is not limited to, any adverse employment or educational action taken for making a report under this Policy, or otherwise participating in any way in an investigation, proceeding, or hearing under this Policy. Any actual or threatened retaliation, or any act of intimidation, threats, coercion, or discrimination to prevent or otherwise obstruct the reporting, investigating, or adjudicating of Title IX Sexual Misconduct may be considered a separate violation of this Policy and may result in disciplinary sanctions. Any person who believes that she or he has been subjected to retaliation should immediately report this concern to the Title IX Coordinator.

21. False Complaints/Statement in Bad Faith. The University retains the right to charge an individual for making a materially false statement in bad faith during the course of an investigation, proceeding, or hearing under this Policy, but will not conclude that any individual has made a materially false statement in bad faith solely based on the determination regarding responsibility.

22. Time Frames. Investigation Time frame. The Office of Title IX will attempt to complete investigations within sixty (60) calendar days. However, additional time may be necessary to complete an investigation. When additional time is necessary, the Office of Title IX will notify the involved parties in writing.

VII. Title IX Grievance Procedures

This procedure shall constitute the grievance procedures for complaints alleging unlawful sex discrimination required under Title IX of the

Education Amendments of 1972. As used herein, "complaint" is synonymous with "grievance".

VIII. Other Discrimination Grievances/Complaints

Complaints and grievances by faculty, staff and students alleging other forms of unlawful discrimination and harassment by faculty or staff, including but not limited to unlawful discrimination/harassment based on race, color, religion, national origin, age, disability, sexual orientation or veteran status, are subject to the procedures set forth in the University's "EEO / Non Discrimination" – MAPP 02.05.13.

AMERICANS WITH DISABILITIES ACT (ADA)/SECTION 504 POLICY

A. PURPOSE

The purpose of this operating policy/procedure is to ensure understanding of the University's responsibilities regarding the Americans with Disabilities Act (ADA), the ADA Amendments Act of 2008 (ADAAA) and Section 504 of the Rehabilitation Act of 1973 as amended (Section 504). It is the policy of Texas Southern University (TSU) to provide reasonable accommodations upon request for qualified individuals with a disability who are students, employees, or applicants for employment. TSU will adhere to all applicable state and federal laws, regulations and guidelines with respect to providing reasonable accommodations as required to offer equal opportunities to qualified disabled individuals. The Vice President for Student Services will review this policy on an annual basis and forward any recommendations for revisions to the Human Resources Department.

B. INTRODUCTION

The Americans with Disabilities Act (ADA) of 1990 mandates equal opportunities for persons with disabilities in all public facilities, programs, activities, services and benefits derived from them. Section 504 of the Rehabilitation Act of 1973, as amended, mandates equal opportunity for qualified persons with disabilities in all programs, activities and services of recipients of federal financial assistance. The ADA, ADAAA and Section 504 are civil rights statutes which prohibit discrimination based on disability, obligate colleges and universities to make certain adjustments and accommodations and offer to persons with disabilities the opportunity to participate fully in all institutional programs and activities.

For federally assisted programs or activities operated by post-secondary education recipients, the specific obligations with regard to disabled students, faculty or staff, include but are not limited to the following:

- All programs and activities must be offered in the most integrated setting appropriate.
- Academic requirements must be modified, on a case-by-case basis, to afford qualified disabled
- individuals an equal educational and/or work opportunity;
- A recipient may not impose upon disabled individuals' rules that have the effect of limiting their participation
- in the recipients' education program or activity; for example, prohibiting tape recorders in classrooms or
- guide dogs in campus buildings.
- Students with impaired sensory, manual or speaking skills must be provided auxiliary aids such as taped texts, interpreters, readers and classroom equipment adapted for persons with manual impairments.

Texas Southern University provides all educational and other university-sponsored programs and activities to persons with disabilities in the most integrated setting appropriate. Students, employees, applicants and other individuals with disabilities served by TSU are not segregated, separated or treated differently. TSU does not require persons with disabilities to take advantage of all adjustments, accommodations or special services.

C. SCOPE

This policy applies to students, staff, faculty, job applicants, visitors, vendors and other beneficiaries of the programs, services, and activities of TSU.

D. DEFINITIONS

- **ADA/Section 504 Coordinator.** The University's Associate Vice President for Human Resources acts as the ADA/Section 504 Coordinator for faculty, staff and students and ensures the University's compliance with relevant federal and state laws regarding the ADA.
- **Disability.** A disability is defined as a physical or mental impairment that substantially limits one or more major life activities, a record of such impairment, or being regarded as having an impairment.
- **Disability Resource Committee ("DRC").** A university advisory group that offers informal advice and support to the administration in responding to persons with disabilities, their supervisors, visitors and the university community at large.
- **Essential Function.** A task or responsibility that is central (not marginal) to the purpose of the job, the class, or the activity.
- **Major life activity.** Major life activities include, but are not limited to caring for oneself, performing manual tasks, seeing, hearing, eating, sleeping, walking, standing, lifting, bending, speaking, breathing, learning, reading, concentrating, thinking, communicating and working and major bodily functions, which include functions of the immune system, normal cell growth, digestive, bowel, bladder, neurological, brain, respiratory, circulatory, endocrine and reproductive functions. An individual's ability to perform a major life activity is compared to most people in the general population.
- **Qualified individual with a disability.** An individual who has a physical or mental impairment as defined above, has a record of such impairment, or is regarded as having such impairment, who possesses the requisite skills, education, experience and training for a position, and who can, with or without a reasonable accommodation, perform the essential functions of the position the individual desires or holds.
- **Reasonable Accommodation.** A modification or adjustment to the job application process or the work or academic environment that enables a qualified person with a disability to be considered for a position, perform the essential functions of a position, or enjoy the same benefits and privileges of employment and academics as are enjoyed by similarly situated employees or students without disabilities. Reasonable accommodations include, but are not limited to modifying written examinations, making facilities accessible, adjusting work schedules, restructuring jobs, providing assistive devices or equipment, providing readers or interpreters, and modifying work sites.
- **Substantial limitation.** An impairment that prevents the performance of a major life activity that the average person in the general population can perform, or a significant restriction as to the condition, manner or duration under which an individual can perform a major life activity as compared to the average person in the general population.

- **Undue hardship.** An action that is unduly costly extensive, substantial, disruptive, or an act that would fundamentally alter the nature or operation of the business. An "undue hardship" is determined in accordance with the Americans with Disabilities Act (ADA), the Texas Commission on Human Rights Act, and relevant case law. Factors to consider in determining whether or not an accommodation would impose an undue hardship include, but are not limited to, the nature and cost of the accommodation, financial considerations, the impact of the accommodation upon the nature and operation of the department and how the request affects the health and safety of other employees or students.

E. INFORMATION

Any communications from the University concerning ADA and Section 504 related information shall be made accessible to all students and employees. This term includes student and employee policies, procedures, emergency evacuation plans, and other related information that shall be published in the student course selection booklet, student catalogs and handbooks, employee handbooks, and the University's Staff Operating Manual..

F. DISABILITY RESOURCE COMMITTEE

The Disability Resource Committee ("DRC") shall be charged by the President with assisting in the University's compliance with ADA laws. The DRC acts as an advisory group providing informal advice and support to the administration in responding to issues regarding individuals with disabilities. The members of the committee shall be appointed by the President. Representation will include an individual from the following areas: Office of the General Counsel, Student Services, Human Resources, Thurgood Marshall School of Law (TMSL), College of Pharmacy and Health Sciences (COPHS), Facilities and Maintenance Services, Buildings and Grounds, Special Events, Faculty Senate, Staff Council, Risk Management, and one (1) member from the Student Government Association totaling eleven (11) members for the Disability Resources Committee.

G. ADA/SECTION 504 COORDINATOR

The University's ADA/Section 504 Coordinator, in conjunction with the Disability Resource Committee and ADA Hearing Committee, is responsible for assisting the University in compliance with all applicable state and federal laws regarding the ADA.

H. ADA HEARING COMMITTEE

The ADA Hearing Committee is responsible for hearing all ADA complaints submitted by students, visitors or employees. The Committee is composed of one (1) faculty member, one (1) administrator or staff member, and one (1) representative from the Student Health Center. The Committee shall be appointed by the President. Either the faculty member or the administrator or staff member shall serve as Chair of the Committee.

I. ADA BUILDING REPRESENTATIVE

A designated representative in each building serves as the point-of-contact for all ADA and Section 504 accessibility issues. That individual is responsible for assisting building occupants with being properly notified regarding ADA and Section 504 requirements, updates and emergency evacuation plans. The representative will report any ADA concerns to the Disability Resource Committee.

PROCEDURES FOR REQUESTING ACCOMMODATIONS

A. INTRODUCTION

All offices and individuals responsible for reviewing and analyzing the request shall maintain the confidentiality of all medical and ADA information. Records and information obtained about employees as part of a request for accommodations shall be maintained in a secure location in the ADA/Section 504 Coordinator's office. Student records and information obtained on students as part of an accommodations request shall be kept in a secure location in the Student Accessibility Service Office (SASO). All information shall be kept confidential, to the extent allowed by law, and shall be shared on a limited need-to-know basis to implement the accommodation request.

The University may, at the University's expense, request an independent medical opinion concerning the impairment for which an employee or student seeks an accommodation. This decision is based on several factors, and each case is assessed individually. Failure of an employee or student to cooperate in obtaining such an opinion will result in the cancellation of the request for accommodation.

B. STUDENT REQUESTS

Students requesting eligibility for accommodations and services may initiate this request for accommodation(s) by contacting the Student Accessibility Services Office (SASO) located in the Student Health Center. Students will be required to provide a recent medical statement that contains a diagnosis, prognosis, and a description of the specific impairment(s) and the major life functions and activities affected by the impairment. Records and information obtained about our students as part of an accommodations request shall be kept in a secure location in the Student Accessibility Services Office (SASO). Students may be asked to submit additional medical information if the information previously provided is incomplete, outdated, unclear, or inconsistent according to the guidelines set forth by the SASO.

All documentation and information submitted with a request for accommodations shall be reviewed and considered by the University. The University may consult with an outside expert, who will assess the request and make recommendations for modifications. If a student is dissatisfied with the determination on accommodations, he or she may initiate a request for reconsideration with the SASO and may be required to submit additional information. The SASO and/or its consultant will review the determination and consider any additional information. The SASO will then issue a written notice regarding the outcome of reconsideration of the student's request. If a student remains dissatisfied with the determination, he or she may file an ADA complaint under the procedures outlined in the University's ADA policy.

SASO is in the Student Health Center. Office hours are 8:00 a.m. to 5:00 p.m. Monday through Friday. Call SASO at (713) 313-4210, either to make an appointment or to obtain additional information. More detailed information regarding the process may be found in the ADA/504 Policy (MAPP 02.05.15).

C. STAFF/FACULTY EMPLOYEE REQUESTS

Staff/faculty employees of TSU may request an accommodation by notifying the ADA/Section 504 Coordinator in writing stating the nature of their disability and the accommodation requested. Employees may be required to provide a recent medical statement by an appropriately licensed professional that contains a diagnosis, prognosis, and a description of the specific impairment(s) and the major life functions and

activities affected by the impairment. Employees may be asked to submit additional medical information if the information previously provided is incomplete, unclear, outdated or inconsistent. If the employee does not provide the required documentation and information within fifteen (15) days, the request for accommodations may be cancelled for lack of necessary information.

In the event that a supervisor receives a request for accommodation, the supervisor shall immediately notify the ADA/Section 504 Coordinator so that the request may be processed in a timely manner. Any supervisor who, during job performance counseling, is informed by an employee that a physical or mental condition may be affecting the employee's work performance shall refer the employee to the ADA/Section 504 Coordinator.

The ADA/Section 504 Coordinator will analyze the request and confer with the employee and the supervisor to ascertain the employee's requirements and input on a reasonable accommodation and make a determination regarding which accommodations are necessary. If the employee is unable to demonstrate a disability or does not request a reasonable accommodation under the guidelines set forth in this policy, the request may be denied.

More detailed information regarding the process may be found in the ADA/504 Policy (MAPP 02.05.15).

D. JOB APPLICANTS

Applicants for employment may request accommodations by contacting the Office of Human Resources in Hannah Hall 126, the department in which they will be interviewing, or the chair of the search committee, when applicable. Upon receipt of a request, the chair of the department or search committee shall immediately notify the Office of Human Resources or the ADA/Section 504 Coordinator regarding the request. If the Office of Human Resources receives a request, the request should be forwarded to the ADA/Section 504 Coordinator, who will work with the appropriate individuals to determine what reasonable accommodations may be offered to a potential job applicant.

Applicants may be required to provide a recent medical statement by an appropriately licensed professional that contains a diagnosis, prognosis, and a description of the specific impairment(s) and the major life functions and activities affected by the impairment. Applicants may be asked to submit additional medical information if the information previously provided is incomplete, unclear, outdated or inconsistent. If the applicant does not provide the required documentation and information within fifteen (15) days, the request for accommodations may be cancelled for lack of necessary information.

E. BENEFICIARIES OF PROGRAMS, SERVICES AND ACTIVITIES

Beneficiaries of programs, services and activities may request accommodations by contacting the department or organization hosting the event, program, or activity. A designee of the event, service, or activity shall immediately notify the ADA/Section 504 Coordinator regarding the request. The ADA/Section 504 Coordinator shall determine, on a case-by-case basis, what reasonable accommodations may be offered.

Individuals may be required to provide a recent medical statement by an appropriately licensed professional that contains a diagnosis, prognosis, and a description of the specific impairment(s) and the major life functions and activities affected by the impairment. Individuals may be asked to submit additional medical information if the information previously provided is incomplete, unclear, outdated or inconsistent. If the

individual does not provide the required documentation and information within a reasonable time prior to the event, service, or activity, the request for accommodations may be cancelled for lack of necessary information.

COMPLAINT AND HEARING PROCEDURE

A. PURPOSE

The purpose of this procedure is to provide the primary process for addressing student and employee complaints based on disabilities under the ADA and Section 504 of the Rehabilitation Act of 1973. Texas Southern University has adopted an internal complaint procedure providing prompt and equitable resolution of complaints alleging any action prohibited by Title II of the ADA and/or Section 504 of the Rehabilitation Act. Any individual who believes he or she was denied a reasonable accommodation or received insufficient accommodations in violation of this policy or disability laws may file an ADA complaint with the appropriate University official.

B. COMPLAINTS

All student ADA complaints should be addressed to the Student Accessibility Services Office (SASO):

Texas Southern University Student Accessibility Services Office

Student Health Center, Room 140

3100 Cleburne Street, Houston, Texas 77004

Or contact (713) 313-4210 or DisabilityServices@tsu.edu (<https://catalog.tsu.edu/graduate/statement-ethical-principles/title-ix-grievance-procedures/file:///C:/Users/derrick.manns/AppData/Local/Microsoft/Windows/INetCache/Content.Outlook/DA03ZMRG/DisabilityServices@tsu.edu>).

C. COMPLAINT AND HEARING PROCEDURE

A complaint should be filed in writing, contain the name, address and telephone number of the Complainant, and briefly describe the alleged violation of the regulations. The complaint should be filed within thirty (30) days after the Complainant becomes aware of the alleged violation.

After receiving an ADA complaint, the University's ADA/Section 504 Coordinator shall schedule a hearing before the ADA Hearing Committee and submit a copy of the complaint and any other relevant documents to the committee. The hearing shall be scheduled within twenty-one (21) days from the date the ADA/Section 504 Coordinator receives the complaint.

The hearing shall consist of opening statements, if desired, by the Complainant, the institution or their representatives, and testimony by any witnesses called by the Complainant or the institution. During the hearing, both parties and the members of the ADA Hearing Committee shall have the right to question witnesses and introduce any relevant exhibits to the committee. The Complainant shall have the responsibility of presenting relevant facts and circumstances to establish the validity of the complaint. Formal rules of evidence will not apply during the hearing. The proceeding shall be non-adversarial in nature.

The chairperson shall control the hearing and take appropriate action to ensure an equitable, orderly, and expeditious hearing. As presiding officer, the chairperson may remove anyone not complying with the rules and/or disrupting the hearing. Witnesses will be heard one at a time and may be excused from the hearing by the chairperson after testifying.

At least ten (10) working days prior to the hearing, either party may request in writing that the proceedings be tape-recorded. At the conclusion of the testimony, both parties will be permitted to make a closing statement. Following the hearing, the Hearing Committee will retire to deliberate and will submit a written report of its recommendations to the ADA/Section 504 Coordinator within seven (7) days after hearing the complaint.

The complainant may request an appeal of the case in instances where he or she is dissatisfied with the resolution. The request for an appeal should be made within five (5) business days of receiving the decision of the Hearing Committee to:

ADA Coordinator:

Cynthia Buckley

Office of Title IX

Hannah Hall 127B

Texas Southern University

Houston, TX 77004 (713) 313-7037

cynthia.buckley@tsu.edu

D. APPEALS

Final determination of a reasonable accommodation rests with the University. Any request for an appeal that is submitted to the ADA/504 Coordinator shall be reviewed by the Associate Vice President/Chief Human Resources Officer for final review and resolution.

STUDENT ACCESSIBILITY SERVICES OFFICE (SASO)

The mission of the Student Accessibility Services Office (SASO) is to ensure that qualified individuals with diagnosed disabilities are provided an equal opportunity to access and participate in University programs, services, and activities through the provision of accommodations and advocacy.

Confidential services are made available for all currently enrolled TSU students at no charge. We offer individualized services that are structured to support and assist students in attaining their educational goals. Registered students are provided effective auxiliary aids, reasonable academic accommodations, and supportive service referrals based on the disability. Assistive technology and equipment are available in the SASO Lab to support academic challenges. Academic Enhancement Trainings are offered to develop and/or enhance student's study skill sets. SASO's motto is to promote self-awareness, self-determination, and self-advocacy in a comprehensive accessible environment.

SASO upholds and maintains the Americans with Disabilities Act (ADA), the ADA Amendment Act of 2008, and Section 504 of the Rehabilitation Act of 1973 higher education compliance standards to ensure policies, procedures, and practices are non-discriminatory.

SASO is located at the Student Health Center, room 140. SASO office hours are Monday through Friday from 8:00am to 5:00pm.

For further information, contact SASO at 713-313-4210 or email DisabilityServices@tsu.edu.

Some modifications were made for the ADA Policy - Procedures for requesting accommodations. I am not certain if I have the authority to make changes to the university policy. However, the information list is not accurate. I will contact General Counsel to inquire about the need to update the university ADA policy. Below are the modifications made to the provided section.

ADA Coordinator:

Ms. Yolanda Edmond
Office of Title IX
Hannah Hall 126
Texas Southern University
Houston, TX 77004
(713) 313-4239
yolanda.edmond@tsu.edu

Substance Abuse Prevention, Education, and Intervention Program (SAPEI)

The total health and welfare of the students at Texas Southern University (TSU) is of paramount concern to all staff, faculty, and administrators, who realize that students are striving to achieve a quality education and prepare to enter the workforce. They also recognize that alcohol and other drugs often become a part of the social interaction of young people. TSU, as well as all other federally funded institutions of higher learning, is mandated by the United States Department of Education to have a program on campus that will address the use of alcoholic beverages and illicit drugs by students. The unit charged with this responsibility is the Substance Abuse Prevention, Education and Intervention Program (SAPEI) of the University Counseling Center. SAPEI is an outcome of the Higher Education Amendments of 1986. TSU's Board of Regents has approved policies to regulate the use of alcohol, drugs, and other controlled substances on campus.

The SAPEI program utilizes a variety of approaches with which to educate our students; among these are classroom presentations, dissemination of educational materials (pamphlets, brochures), and campus-wide observances (e.g., National Collegiate Alcohol Awareness Week, health fairs, etc.). It also cosponsors programs with various student organizations on campus. SAPEI also provides individual, family, and group counseling at no charge to all currently enrolled students.

SAPEI is in the Student Health Center. Office hours are 8:00 a.m. to 5:00 p.m. Monday through Friday. Call SAPEI at 713-313-7800, either to make an appointment or for additional information.

Schools and Colleges

- School of Communication (p. 48)
- College of Liberal Arts and Behavioral Sciences (p. 54)
- College of Education (p. 74)
- Jesse H. Jones School of Business (p. 129)
- College of Pharmacy and Health Sciences (p. 145)
- Barbara Jordan - Mickey Leland School of Public Affairs (p. 155)
- College of Science, Engineering and Technology (p. 194)

Please see information for the College of Transdisciplinary Studies here: College of Transdisciplinary Studies ([tsu.edu](http://www.tsu.edu/academics/colleges-and-schools/college-of-transdisciplinary-studies/)) (<http://www.tsu.edu/academics/colleges-and-schools/college-of-transdisciplinary-studies/>)

School of Communication

The School of Communication offers two **Master of Arts programs**. In the Department of Communication Studies, the **M.A. in Communication** program provides advanced knowledge and skills to individuals who want an in-depth understanding of processes, applications, engagement, and discovery in an intellectual climate. We pride ourselves on providing various perspectives, approaches, research, and practical application in communication and multimedia content. Our graduate students thrive by learning in a diverse environment and the richness of the various course offerings. As graduate students discover their strengths in communication research and media production, they become more prepared and confident to work in multiple careers or continue their studies at the doctoral level.

In the Department of Radio, Television, and Film, the **Master of Arts in Professional Communication and Digital Media** provides advanced knowledge in documentary filmmaking and multimedia production. After taking foundational and required classes in professional media production, the master's candidates will complete a two-semester project in long-form journalism, documentary film, web-based journalism, or multimedia project.

The **School of Communication (SOC)** seeks to achieve the following objectives:

- Provide students with a theoretical, practical, and research foundation in Communication and media so that they may acquire enhanced understandings of their professional specialties;
- Prepare students for further study toward the Ph.D. degree;
- Provide students with advanced skills in content creation, production, and industry technology;
- Provide students a platform to expand their real-world industry experience and creative problem-solving

Graduate students in the **Master of Arts in Communication** program can either earn a thesis or a non-thesis Master's degree with an opportunity to focus their area of study in one of four concentrations. All concentrations in the **Master of Arts in Communication** are designed to be completed in four semesters if a student attends full time, completes their master's or thesis project, and defends within that time.

Concentrations include:

- Media Studies
- Organizational Communication
- Health Communication
- Sports and Entertainment Management

CONCENTRATION DESCRIPTIONS

Media Studies

The Media Studies concentration focuses on the understanding, interpretation, and application of the scholarly study of mass media. This concentration provides foundations in theory and research on mass media and relates the theory and research to these media's professional and ethical/legal/policy aspects. It prepares students for the further development of the foundations in theory and research in doctoral

programs and the application of the theory and research in the corporate, governmental, consulting, educational, and public service environments. Students gain an understanding of mass media in courses on such issues as Theory and Process of Communication; Research on Mass Communication; Media Law and Ethics; Media Effects; International Media Systems; Social Media, Culture and Communication; Race, Gender, Class, and the Media; International Mass Media; and Media Technology.

Organizational Communication

This concentration advances the intellectual skills of students in the theoretical frameworks for the study of organizational contexts, Communication within the organization, communication structures of the organization, and crisis management. This concentration incorporates theoretical foundations and research methodology to study organizational processes and current problems in organizational contexts (such as corporate and nonprofit systems, employee and management information flow, and organizational culture).

Health Communication

This concentration allows public health professionals, nonprofit leaders, and researchers to gain advanced knowledge of communication models, processes, strategic Communication, and health campaigns. Students gain advanced knowledge of theories, research, and practice to examine current problems in health care. This degree program allows professionals and nonprofessionals to study how information is generated and shared among health professionals, communities, individuals, and public advocates. Students in this concentration develop new understandings of channels, messages, and cultural and other contexts that influence individuals and groups to seek health information. The concentration is also designed to equip professionals with the skills to analyze, design, and evaluate policies, campaigns, and structures in health communication environments. Students acquire the knowledge and skills to plan campaigns, cultivate initiatives for specific groups, analyze program objectives, develop public speaking skills they apply in addressing various audiences, and assess communication processes within different medical environments.

Sports & Entertainment Management

The concentration offers a master's program to create new media, sports entertainment, and recording industry management scholars and professionals prepared to enter a computer-native industry. Our program allows students to gain a critical understanding of advanced technologies and a range of skills in audio production, multimedia production, management, and business. Additionally, graduates will understand the theory, methods, and analytical tools needed to create and contribute to scholarship in fields of Communication that are part of the Sports and Entertainment Management discipline.

Admissions Criteria and Application Process

The Master of Arts in Communication and Master of Arts in Professional Communication and Digital Media program accepts applicants in the Fall and Spring semesters.

Fall Enrollment Deadline:

Application and all supporting documents must be received by July 15 for the Fall semester.

Spring Enrollment Deadline:

Application and all supporting documents must be received by November 15 for the Spring semester.

Applications received after these dates will be considered for the following semester. Early admission is highly encouraged.

Only completed applications (including all required materials listed above) will be reviewed for admission. The Graduate School receives graduate application material and is forwarded to The School of Communication for review. The recommendation of the School of Communication is returned to the Graduate School. The Graduate School makes the final admission decision, and the applicant is notified of the decision accordingly. Prospective students wishing to inquire about their application status should direct questions to the Graduate School until they receive official admissions notification.

Applicants must be admitted to the program before enrolling in coursework. Admission is competitive and based on an applicant's entire academic record. The requirements stated are the minimum standards for consideration of an application and do not guarantee admission. Admission to the program is contingent upon admission to Graduate School. Please note that admission is only applicable for the semester admitted.

Application Process

The **Master of Arts in Communication** and **Master of Arts in Professional Communication and Digital Media** programs requires, at a minimum, that applicants have a B.A. in Communication or a closely related field with a 3.2 grade point average for the upper-division courses (usually the last 30 semester hours). In addition to meeting the Graduate School's requirements for admission, retention, examinations, candidacy, and graduation as listed elsewhere, applicants should submit the following:

1. An official transcript of all undergraduate coursework. (Must show evidence of a baccalaureate degree from an accredited institution.)
2. A 500-750 word personal essay/statement details the academic and professional preparation for and interest in the graduate program. The essay should clearly state the applicant's choice of concentration (Media Studies, Organizational Communication, Health Communication, or Sports and Entertainment Management). In addition, the essay should address the reasons the applicant selected their specific program and concentration, details of the collegiate academic background and professional experiences of the applicant, and the post- MA-program goals of the applicant.
3. Two confidential letters of recommendation from faculty who have taught the applicant the letters should address the applicant's strengths, areas of improvement, and commitment to excellence. Applicants with related professional experience may submit an additional letter of recommendation from their supervisors.
4. A current resume.
5. For concentrations in Media Studies, Organizational Communication, Sports and Entertainment Management, and Health Communication, applicants must submit a writing portfolio of 10-20 pages, single author, submitted for a graded assignment or publication.
6. For concentration in Sports and Entertainment Management, applicants can submit a portfolio containing a multimedia project submitted for class or published (including but not limited to YouTube, digital or new media sources, website, news, entertainment outlet, or festival submission).
7. Official TOEFL (Test of English as a Foreign Language) score if the applicant's native language is not English unless the applicant has

received an undergraduate degree from a U.S. college or university. A TOEFL score of at least 550 on the paper-based test, 213 on the computer-based test, or 79 on the Internet-based test is required.

8. NO GRE or ENGLISH PROFICIENCY exam is required for this degree program.

SOC Application Checklist

Fall Admission: July 15 | **Spring Admission:** November 15

1. Completed Online Application
2. Pay Application Fee
3. Order and Submit Official Transcripts
4. Completed Personal Essay (Include Concentration Choice)
5. Letter of Recommendation (1)
6. Letter of Recommendation (2)
7. Submitted Resume
8. Submitted Writing Sample for Concentrations in Media Studies, Organization, and Health Communication (if applicable)
9. Submitted Portfolio for Concentration in Sports and Entertainment Management (if applicable)
10. Submitted TOEFL Scores (if applicable)
11. Confirmation from the Graduate College
12. Notification of Admission Status

Documents may be submitted electronically to the School of Communication through the application portal. Transcripts, letters of recommendation, and materials should be mailed to the address below. No applications will be processed without payment of the application fee.

The Graduate School

Texas Southern University

TSU Box #1254

3100 Cleburne

Houston, TX 77004-1254

Admission Requirements

Applicants must meet all of the following requirements:

Unconditional Admission:

1. A Graduate with a four-year baccalaureate degree from an accredited college or university (degrees from institutions outside the U.S. are evaluated for equivalency to U.S. degrees)
2. Possess a grade point average of at least 3.0 in undergraduate studies
3. Complete satisfactory preparation in the specific discipline or field of study
4. Attain a score of at least 213 on the TOEFL, if an international student

Conditional Admission:

Students who fail to satisfy the unconditional admission criteria may be admitted on a conditional basis. Under conditional admission, the student must have a 2.8 undergraduate grade point average. In addition, the undergraduate grade point average within the last thirty hours (30) of coursework must be at least 3.2. Students admitted in this category will be required to meet the unconditional admission criteria by maintaining

at least a grade of "B" or better in **each** course in the first twelve hours of graduate work within the first year of enrollment. Failure to satisfy unconditional admission criteria within the stipulated time will result in the student being dismissed from the program. Conditional admits are not eligible for financial aid.

Post-Baccalaureate and Non-Degree Seeking Applicant Policy:

1. Applicants are not eligible for financial aid.
2. If admitted as a post-baccalaureate student, the student must earn a minimum of 3.5 GPA in the hours taken while in the graduate program to be admitted.
3. If admitted with non-degree-seeking status, a student can take up to six (6) hours only.

Degree Requirements and Program Policies

Master of Arts in Communication Overview

Fulfillment of the general requirements for graduation as outlined in the general information section of the Graduate School Bulletin and specific requirements for the Master of Arts in Communication as summarized below:

Minimum General Requirements for the Master of Arts in Communication Degree:

1. A degree plan must be filed with the Graduate School within the first semester of coursework.
2. A minimum grade point average of 3.0 is required for all graduate work attempted.
3. Courses transferred may not exceed six semester hours and must have earned a grade of "B" or higher.
4. No more than six semester credit hours of "C" and/or "C+" work are accepted toward satisfying graduation and degree requirements.
5. The program must be completed within six calendar years.

Warning Status and Grade Point Average

To continue in Graduate School, the student must maintain a grade point average of at least 3.00.

A graduate student whose graduate grade point average falls below 3.00 GPA at the end of any semester or summer session will be warned by the Program and the Graduate School that their continuance in the Graduate School is in jeopardy. The student must attain a graduate grade point average of at least 3.00 during the next semester they are enrolled or will be subject to dismissal.

Conditional Admission

Students who fail to satisfy the unconditional admission criteria may be admitted on a conditional basis. Under conditional admission, the student must have a 2.8 undergraduate grade point average. The undergraduate grade point average within the last thirty hours (30) of coursework must be at least 3.2. In addition, students admitted in this category will be required to meet the unconditional admission criteria by maintaining at least a grade of "B" or better in **each** course in the first twelve hours of graduate work within the first year of enrollment. Failure to satisfy unconditional admission criteria within the stipulated time will result in the student being dismissed from the program. Conditional admits are not eligible for financial aid.

Post-Baccalaureate and Non-Degree Seeking Applicant Policy

1. Applicants are not eligible for financial aid.
2. If admitted as a post-baccalaureate student, the student must earn a minimum of 3.5 GPA in the hours taken to be admitted into the program.

If admitted with non-degree-seeking status, a student can take up to six (6) hours only.

- Communication (Health Communication Concentration), Master of Arts (p. 51)
- Communication (Media Studies Concentration), Master of Arts (p. 51)
- Communication (Organizational Communication Concentration), Master of Arts (p. 52)
- Communication (Sports & Entertainment Management Concentration), Master of Arts (p. 54)
- Professional Communication and Digital Media, Master of Arts (p. 53)

Communication (Health Communication Concentration), Master of Arts

The **Health Communication** concentration allows public health professionals, nonprofit leaders, and researchers to gain advanced knowledge of communication models, processes, strategic communication, and health campaigns. Students gain advanced knowledge of theories, research, and practice to examine current problems in health care. This degree program allows professionals and nonprofessionals an opportunity to study how information is generated and shared among health professionals, communities, individuals and public advocates. Students in this concentration develop new understandings of channels, messages, and cultural and other contexts that influence individuals and groups to seek health information. The concentration is also designed to equip professionals with the skills to analyze, design, and evaluate policies, campaigns and structures in health communication environments. Students acquire the knowledge and skills they use to plan campaigns, cultivate initiatives for specific groups, analyze program objectives, develop public speaking skills they apply in addressing various audiences, and assess communication process within different medical environments.

Admission Requirements

Applicants must meet **all** of the following requirements:

Unconditional Admission

1. Graduate with a four-year baccalaureate degree from an accredited college or university (degrees from institutions outside the U.S. are evaluated for equivalency to U.S. degrees).
2. Possess a grade point average of at least 3.0 in undergraduate studies.
3. Complete satisfactory preparation in the specific discipline or field of study.
4. Attain a score of at least 213 on the TOEFL, if an international student.

Conditional Admission

Students who fail to satisfy the unconditional admission criteria may be admitted on a conditional basis. Under conditional admission, the student must have at least a 2.8 undergraduate grade point average or the undergraduate grade point average within the last thirty-hours (30) of course work must be at least 3.2. Students admitted in this category will be required to meet the unconditional admission criteria by maintaining at least a grade of "B" or better in each course in the first twelve hours of graduate work within the first year of enrollment. Failure to satisfy unconditional admission criteria within the stipulated time will result in the student being dropped from the program. Conditional admits are not eligible for financial aid.

Post-Baccalaureate and Non-Degree Seeking Applicant Policy

1. Applicants are not eligible for financial aid.
2. If admitted as a post-baccalaureate student, the student is required to earn a minimum of 3.5 in those hours they take while in the graduate program in order to be admitted into the program.
3. If admitted with non-degree-seeking status, a student is allowed to take up to six (6) hours only.

Summary

Code	Title	Hours
Foundation Courses (9 hours)		
COMM 533	Theory & Process Of Comm	3
COMM 534	Introduction Graduate Research Communication	3
RTF 510	Visual Storytelling	3
Prescribed Courses (9 hours)		
COMM 526	Introduction : Graduate Studies in Communication	3
COMM 634	Adv Comm Res Meth	3
COMM 698	Research Project	3
or COMM 665	Graduate Practicum	
or COMM 658	Masters Comprehensive Exam	
Concentration Courses (12 hours)		
COMM 562	Health Communication	3
Select 9 hours from the following:		9
COMM 563	Health Communication Campaigns	
COMM 564	E-Health Communication	
COMM 565	Health and Mass Media	
COMM 570	Communication in the Global Workplace	
Elective Courses (3 hours)		
Select any School of Communication graduate course		3
Total Hours		33

Communication (Media Studies Concentration), Master of Arts

The **Media Studies** concentration is geared toward students with an interest in the scholarly study of mass media – including news, entertainment, infotainment, social media, and other mass media. This concentration provides students with theoretical and research foundations and is particularly suited for students interested in pursuing a doctoral degree, a career in higher education, or a career in consulting. Students will gain an advanced understanding of the role and impact of media through their study of areas such as Media Effects; Media

Law and Ethics; Gender, Race, Class and the Media; Culture, Media and Technology; and Social Media.

Admission Requirements

Applicants must meet **all** of the following requirements:

Unconditional Admission

1. Graduate with a four-year baccalaureate degree from an accredited college or university (degrees from institutions outside the U.S. are evaluated for equivalency to U.S. degrees).
2. Possess a grade point average of at least 3.0 in undergraduate studies.
3. Complete satisfactory preparation in the specific discipline or field of study.
4. Attain a score of at least 213 on the TOEFL, if an international student.

Conditional Admission

Students who fail to satisfy the unconditional admission criteria may be admitted on a conditional basis. Under conditional admission, the student must have at least a 2.8 undergraduate grade point average or the undergraduate grade point average within the last thirty-hours (30) of course work must be at least 3.2. Students admitted in this category will be required to meet the unconditional admission criteria by maintaining at least a grade of "B" or better in each course in the first twelve hours of graduate work within the first year of enrollment. Failure to satisfy unconditional admission criteria within the stipulated time will result in the student being dropped from the program. Conditional admits are not eligible for financial aid.

Post- Baccalaureate and Non-Degree Seeking Applicant Policy

1. Applicants are not eligible for financial aid.
2. If admitted as a post-baccalaureate student, the student is required to earn a minimum of 3.5 in those hours they take while in the graduate program in order to be admitted into the program.
3. If admitted with non-degree-seeking status, a student is allowed to take up to six (6) hours only.

Summary

Code	Title	Hours
Foundation Courses (9 hours)		
COMM 533	Theory & Process Of Comm	3
COMM 534	Introduction Graduate Research Communication	3
or RTF 501	Master's Seminar in Mass Media Projects	
RTF 510	Visual Storytelling	3
Prescribed Courses (9 hours)		
COMM 526	Introduction : Graduate Studies in Communication	3
or RTF 501	Master's Seminar in Mass Media Projects	
COMM 634	Adv Comm Res Meth	3
or JOUR 505	Art of Narrative	
or COMM 546	Qualitative Methods in Comm	
COMM 698	Research Project	3
or COMM 699	Master's Project Production	
or COMM 665	Graduate Practicum	
or COMM 658	Masters Comprehensive Exam	

Concentration Courses (12 hours)

COMM 527	Mass Communication Effects	3
Select 9 hours from the following:		9
COMM 530	Media Law & Ethics	3
COMM 551	Social Media Culture and Communication	
COMM 561	Internet and Society	
COMM 564	E-Health Communication	
COMM 565	Health and Mass Media	
COMM 576	Race Gender Class and the Media	
COMM 577	Race and News	
RTF 539	International Media Systems	

Elective Courses (3 hours)

Select any School of Communication graduate course	3

Total Hours	36

Communication (Organizational Communication Concentration), Master of Arts

The **Organizational Communication** concentration advances the scholarly skills of students in the theoretical frameworks for the study of organizational contexts, communication within the organization, communication structures of the organization, and crisis management. This concentration incorporates theoretical foundations and research methodology used to study organizational processes, current problems in organizational contexts (such as corporate and nonprofit systems, employee and management information flow, and organizational culture).

Admission Requirements

Applicants must meet **all** of the following requirements:

Unconditional Admission

1. Graduate with a four-year baccalaureate degree from an accredited college or university (degrees from institutions outside the U.S. are evaluated for equivalency to U.S. degrees).
2. Possess a grade point average of at least 3.0 in undergraduate studies.
3. Complete satisfactory preparation in the specific discipline or field of study.
4. Attain a score of at least 213 on the TOEFL, if an international student.

Conditional Admission

Students who fail to satisfy the unconditional admission criteria may be admitted on a conditional basis. Under conditional admission, the student must have at least a 2.8 undergraduate grade point average or the undergraduate grade point average within the last thirty-hours (30) of course work must be at least 3.2. Students admitted in this category will be required to meet the unconditional admission criteria by maintaining at least a grade of "B" or better in each course in the first twelve hours of graduate work within the first year of enrollment. Failure to satisfy unconditional admission criteria within the stipulated time will result in the student being dropped from the program. Conditional admits are not eligible for financial aid.

Post- Baccalaureate and Non-Degree Seeking Applicant Policy

1. Applicants are not eligible for financial aid.
2. If admitted as a post- baccalaureate student, the student is required to earn a minimum of 3.5 in those hours they take while in the graduate program in order to be admitted into the program.
3. If admitted with non-degree-seeking status, a student is allowed to take up to six (6) hours only.

Summary

Code	Title	Hours
Foundation Courses (9 hours)		
COMM 533	Theory & Process Of Comm	3
COMM 534	Introduction Graduate Research Communication	3
RTF 510	Visual Storytelling	3
Prescribed Courses (9 hours)		
COMM 526	Introduction : Graduate Studies in Communication	3
or RTF 501	Master's Seminar in Mass Media Projects	
COMM 546	Qualitative Methods in Comm	3
or COMM 634	Adv Comm Res Meth	
or JOUR 505	Art of Narrative	
COMM 658	Masters Comprehensive Exam	3
or COMM 665	Graduate Practicum	
or COMM 698	Research Project	
or COMM 699	Master's Project Production	
Concentration Courses (12 hours)		
COMM 552	Organization Communication Theories	3
Select 9 hours from the following:		9
COMM 567	Strategic Communication Management	3
COMM 568	Organizational Training & Development	
COMM 569	Communication and Organizational Crisis	
COMM 570	Communication in the Global Workplace	
COMM 574	Communication Leadership in Multi-Context	
Elective Courses (3 hours)		
Select any School of Communication graduate course		3
Total Hours		36

Professional Communication and Digital Media, Master of Arts

Master of Arts in Professional communication and digital media

Many media professionals and media studies teachers with undergraduate degrees in communication studies, journalism or media production are looking for master's programs to sharpen their professional skills. The School of Communication has designed a concentration to support the needs of this type of student. In the **Professional Communication and Digital Media** concentration, after taking foundational and required classes in professional skills, the master's candidates will complete a two-semester project in long-form journalism, documentary film, web-based journalism, or digital instructional material for classroom use.

Admission Requirements

Applicants must meet **all** of the following requirements:

Unconditional Admission

1. Graduate with a four-year baccalaureate degree from an accredited college or university (degrees from institutions outside the U.S. are evaluated for equivalency to U.S. degrees).
2. Possess a grade point average of at least 3.0 in undergraduate studies.
3. Complete satisfactory preparation in the specific discipline or field of study.
4. Attain a score of at least 213 on the TOEFL, if an international student.

Conditional Admission

Students who fail to satisfy the unconditional admission criteria may be admitted on a conditional basis. Under conditional admission, the student must have at least a 2.8 undergraduate grade point average or the undergraduate grade point average within the last thirty-hours (30) of course work must be at least 3.2. Students admitted in this category will be required to meet the unconditional admission criteria by maintaining at least a grade of "B" or better in each course in the first twelve hours of graduate work within the first year of enrollment. Failure to satisfy unconditional admission criteria within the stipulated time will result in the student being dropped from the program. Conditional admits are not eligible for financial aid.

Post- Baccalaureate and Non-Degree Seeking Applicant Policy

1. Applicants are not eligible for financial aid.
2. If admitted as a post- baccalaureate student, the student is required to earn a minimum of 3.5 in those hours they take while in the graduate program in order to be admitted into the program.
3. If admitted with non-degree-seeking status, a student is allowed to take up to six (6) hours only.

Summary

Code	Title	Hours
Foundation Courses		9
RTF 501	Master's Seminar in Mass Media Projects	
JOUR 505	Art of Narrative	
RTF 510	Visual Storytelling	
Prescribed Courses		9
RTVF 5315	Writing for Film and Electronic Media.	
RTVF 5320	Advanced Media Production in the Digital Age	
COMM 699	Master's Project Production	
Concentration Courses		9
CM 535	Media Entrepreneurship	
RTF 560	Digital Film Production	
RTF 564	Documentary Production	
Elective Courses		3
Select any School of Communication graduate course		
Total Hours		30

Communication (Sports & Entertainment Management Concentration), Master of Art

The **Sports & Entertainment Management** concentration offers a master's program geared toward creating new media, sports entertainment, and recording industry management professionals prepared to enter a computer-native industry. Our program allows students to gain an in-depth understanding of advanced technologies and a range of skills in audio production, and multimedia production, as well as in management and business.

Admission Requirements

Applicants must meet **all** of the following requirements:

Unconditional Admission

1. Graduate with a four-year baccalaureate degree from an accredited college or university (degrees from institutions outside the U.S. are evaluated for equivalency to U.S. degrees).
2. Possess a grade point average of at least 3.0 in undergraduate studies.
3. Complete satisfactory preparation in the specific discipline or field of study.
4. Attain a score of at least 213 on the TOEFL, if an international student.

Conditional Admission

Students who fail to satisfy the unconditional admission criteria may be admitted on a conditional basis. Under conditional admission, the student must have at least a 2.8 undergraduate grade point average or the undergraduate grade point average within the last thirty-hours (30) of course work must be at least 3.2. Students admitted in this category will be required to meet the unconditional admission criteria by maintaining at least a grade of "B" or better in each course in the first twelve hours of graduate work within the first year of enrollment. Failure to satisfy unconditional admission criteria within the stipulated time will result in the student being dropped from the program. Conditional admits are not eligible for financial aid.

Post- Baccalaureate and Non-Degree Seeking Applicant Policy

1. Applicants are not eligible for financial aid.
2. If admitted as a post- baccalaureate student, the student is required to earn a minimum of 3.5 in those hours they take while in the graduate program in order to be admitted into the program.
3. If admitted with non-degree-seeking status, a student is allowed to take up to six (6) hours only.

SUMMARY

Code	Title	Hours
Foundation Courses (9 hours)		
COMM 533	Theory & Process Of Comm	3
COMM 534	Introduction Graduate Research Communication	3
RTF 510	Visual Storytelling	3
Prescribed Courses (9 hours)		
COMM 526	Introduction : Graduate Studies in Communication	3

COMM 546	Qualitative Methods in Comm	3
or JOUR 505	Art of Narrative	
or COMM 634	Adv Comm Res Meth	
COMM 658	Masters Comprehensive Exam	3
or COMM 665	Graduate Practicum	
or COMM 698	Research Project	
or COMM 699	Master's Project Production	
Concentration Courses (12 hours)		
ERIM 501	Marketing & Promotions in Sports & Entertainment Management	3
Select 9 hours from the following:		9
ERIM 503	Money, Projects, Sports & Entertainment Management	
ERM 510	Rec Indus Mgmt & Futur Sprt En	
or ERM 805	Curr Trends InnSprt & Ent Mgmt	
or ERM 810	Sprts & Entertain Event Produ	
ERIM 800	Sports & Entertainment Business Structures	
Or "ERIM 505	Sports Talk Radio"	
Or "ESPT 505	ESports Entertainment Cons."	
Or "ESPT 510	Esports Entrepren"	
Elective Courses (3 hours)		
Select any School of Communication graduate course		3
Total Hours		33

College of Liberal Arts and Behavioral Sciences

Mission Statement of the College of Liberal Arts and Behavioral Sciences

Through quality programs and innovative study of the Arts, Humanities, and Social and Behavioral Sciences, the College is dedicated to engaging students in a journey of self-discovery and intellectual inquiry, thereby empowering them to live fully actuated lives in diverse, urban, and global communities.

The College of Liberal Arts and Behavioral Sciences offers graduate programs designed to provide high quality instruction in various disciplines on an advanced level. As one of the largest and most diverse academic units at Texas Southern University, the College offers master's degrees in five departments:

- Department of English (p. 55)
- Department of History (p. 58)
- Department of Human Services and Consumer Sciences (p. 61)
- Department of Psychology (p. 66)
- Department of Sociology (p. 71)

The goal of the graduate programs is to prepare students to contribute effective solutions to urban, national and global problems by engaging them in literary, historical, and social research. The aim of each graduate-level program is to build upon knowledge and skills learned on the undergraduate level, focusing on the areas of research, writing, and practice skills with emphasis on critical thought and analysis. Graduates are well-prepared to continue their educational pursuits in doctoral and professional schools. Our distinguished faculty members are scholars with national recognition and distinction for outstanding instruction, creativity and research. Each department has specific requirements

for admission and graduation. Therefore, students who are interested in pursuing the graduate degrees listed above should contact the chairperson of the department in which the desired degree is offered.

Department of English

Master of Arts in English

The Department of English at Texas Southern University prides itself in preparing students to excel in their knowledge and understanding of the areas of British, American, and African American Literature, and Literary Analysis and Theory. Students engage in intensive study and research towards a command of the broad and diverse range of literatures written and/or translated into English. Our graduates make meaningful personal discoveries throughout their studies: how ideas in literature influence their life-long pursuits and thinking.

Master of Arts (M.A.) students will immerse themselves in both rhetorical and contemporary theoretical approaches to literary texts. Through expert instruction, workshops, and graduate experiential opportunities, the Master of Arts in English prepares successful graduates for exemplary higher education entry teaching opportunities; communication (oral and written); leadership opportunities in arts, business, education, government, and legal pursuits; and entrance into prestigious Ph.D. programs in literature and rhetoric and composition.

Master of Arts in English -- Degree Plans

The English Department offers three options leading to the Master of Arts degree:

1. Track A – Masters of Arts degree (thesis option – 27 semester credit hours + 3 research hours for thesis) – in literature study with an emphasis in American, African American, or British literature.
2. Track B – Masters of Arts degree (non-thesis option - 30 semester credit hours for non-thesis) – with a generalist concentration in literary studies. With the approval of the Department Chair and the instructor, the student will devote three credits to a “Directed Reading and Research” course resulting in two or more longer papers.
3. Online Masters of Arts degree in English. Students electing this online option will follow the same Track A or Track B program noted above. Contact the Chair for more specific information.

Requirements of the Degree

- Thirty (30) hours of coursework

Conditional Admittance

- There is no conditional admittance to the Master of Arts in English Program at Texas Southern University.
- All requirements must be met before admittance to the Master of Arts Program (completed tests, fees paid, letters of recommendation submitted, et. al.)

Master of Arts in English -- Degree Plans

The English Department offers three options leading to the Master of Arts degree:

- M.A. with Thesis
- M.A. with Portfolio (non-thesis)
- M.A. Online with Thesis or Portfolio

The three degree paths for the M.A. degree are designed to prepare students for entry to the professional world or further graduate study.

- English Track A (Thesis Option), Master of Arts (p. 56)
- English Track B (Non-Thesis Option), Master of Arts (p. 57)

Courses

ENG 501 Grad Prof Writing (3 Credits)

Lecture: 3, **Lab:** 0

WRITING GRADUATE (3) A course for students who have not achieved writing proficiencies appropriate for graduate work, including the master's thesis and doctoral dissertation (Prerequisite: graduate standing)

College/School: Liberal Arts & Behavioral Scie

Department: Department of English

ENG 502 Cornerstone Survey (3 Credits)

Lecture: 3, **Lab:** 0

CORNERSTONE SEMINAR (3) An intense and comprehensive period-based survey of Western literature from the ancient through the modern and postmodern (Prerequisite: graduate standing)

College/School: Liberal Arts & Behavioral Scie

Department: Department of English

ENG 529 Studies in Lit Bio and Nonfict (3 Credits)

Lecture: 3

STUDIES IN LITERARY BIOGRAPHY AND NONFICTION (3) A study of the relationship of author and text in works of notable British and American writers (Prerequisite: graduate standing)

College/School: Liberal Arts & Behavioral Scie

Department: Department of English

ENG 530 African American Fiction (3 Credits)

Lecture: 3

AFRICAN AMERICAN FICTION (3) An examination of the literary presentation of the passage from slavery to free personhood in selected texts of African American fiction, with a special concentration on rhetorical structure (Prerequisite: graduate standing)

College/School: Liberal Arts & Behavioral Scie

Department: Department of English

ENG 532 Afr & Afr Diaspora Literature (3 Credits)

Lecture: 3, **Lab:** 0

AFRICAN AND AFRICAN DIASPORA LITERATURE (3) A study of selected poetry, fiction, and drama of Africa and the African Diaspora (Prerequisite: graduate standing)

College/School: Liberal Arts & Behavioral Scie

Department: Department of English

ENG 533 Methods Of Research (3 Credits)

Lecture: 3, **Lab:** 0

METHODS OF RESEARCH (3) An introduction to techniques of independent graduate study, with emphasis on bibliographical studies and textual criticism (Prerequisite: graduate standing)

College/School: Liberal Arts & Behavioral Scie

Department: Department of English

ENG 534 Black Southern Writers (3 Credits)**Lecture:** 3

In this course, students will examine the rhetorical strategies circumstances most prominently in the southern literary tradition. Students will investigate the historical circumstances (including slavery, Reconstructions, etc.) that have shaped—and been shaped by—southern literature. Topics to be addressed in this course include canon formation, negotiations between fiction and history, etc.

College/School: Liberal Arts & Behavioral Scie**Department:** Department of English**ENG 536 Seminar in Advan Tech Writing (3 Credits)****Lecture:** 3

SEMINAR IN ADVANCED TECHNICAL WRITING (3) The second of two technical writing courses that offer focused instruction on writing skills appropriate to the technical demands of the modern workplace such as business, science, and government (Prerequisites: ENG 412 and the consent of both the department chair and the instructor)

College/School: Liberal Arts & Behavioral Scie**Department:** Department of English**ENG 629 Seminar in American Literature (3 Credits)****Lecture:** 3

SEMINAR IN AMERICAN LITERATURE (3) A special topics course focusing on American poetry, drama, and fiction. (Prerequisite: graduate standing)

College/School: Liberal Arts & Behavioral Scie**Department:** Department of English**ENG 638 Survey of Lit Theory (3 Credits)****Lecture:** 3, **Lab:** 0

SURVEY OF LITERARY THEORY (3) An historical survey of theories of literary criticism from Aristotle to the present (Prerequisite: graduate standing)

College/School: Liberal Arts & Behavioral Scie**Department:** Department of English**ENG 640 Chaucer Shakespeare and Milton (3 Credits)****Lecture:** 3

SEMINAR IN CHAUCER, SHAKESPEARE AND MILTON (3) An intense study of major works of Chaucer, Shakespeare, and Milton (Prerequisite: graduate standing)

College/School: Liberal Arts & Behavioral Scie**Department:** Department of English**ENG 641 Seminar Creative Non-Fiction (3 Credits)****Lecture:** 3

SEMINAR IN CREATIVE NONFICTION (3) A study of techniques of creative non-fiction prose, both as a genre and in historical context (Prerequisite: graduate standing)

College/School: Liberal Arts & Behavioral Scie**Department:** Department of English**ENG 732 American Novel (3 Credits)****Lecture:** 3

THE AMERICAN NOVEL (3) A study of selected American novelists in conjunction with modern critical theories (Prerequisite: completion of all required core courses)

College/School: Liberal Arts & Behavioral Scie**Department:** Department of English**ENG 734 Seminar in Modern Poetry (3 Credits)****Lecture:** 3, **Lab:** 0

SEMINAR IN MODERN POETRY (3) An examination of the primary trends in modern poetry, devoting attention to the masterpieces in the canon and engaging students in a systematic study of the techniques and philosophical tendencies in these works (Prerequisite: completion of all required core courses)

College/School: Liberal Arts & Behavioral Scie**Department:** Department of English**ENG 735 The British Novel (3 Credits)****Lecture:** 3, **Lab:** 0

THE BRITISH NOVEL (3) An intensive survey of the British novel from Defoe through the authors of contemporary British fiction (Prerequisite: completion of all required core courses)

College/School: Liberal Arts & Behavioral Scie**Department:** Department of English**ENG 736 Studies British Liter to 1900 (3 Credits)****Lecture:** 3, **Lab:** 0

STUDIES IN BRITISH LITERATURE TO 1900 (3) A study of British poetry, drama, and prose from Shakespeare to the era of modernism (Prerequisite: completion of all required core courses)

College/School: Liberal Arts & Behavioral Scie**Department:** Department of English**ENG 794 Utopia Dystopia (3 Credits)****Lecture:** 3

This proposed course will engage students with utopian and dystopian literature from the ancient periods to the 21st century. Students will discover the pros and cons of past societies described in various literatures. Students will then be able to evaluate current social trends against a literary backdrop of social formation's..

College/School: Liberal Arts & Behavioral Scie**Department:** Department of English**ENG 835 Directed Reading and Research (3 Credits)****Lecture:** 3, **Lab:** 0

DIRECTED READING AND RESEARCH (6) An individualized course for students wishing to work with a specific professor in a well-defined area of scholarship (Prerequisite: completion of all required core courses and the consent of both the department chair and the instructor)

College/School: Liberal Arts & Behavioral Scie**Department:** Department of English**ENG 837 Thesis In Progress (3 Credits)****Lecture:** 0, **Lab:** 0

THESIS IN PROGRESS (6) The writing of the thesis under the supervision of a thesis advisor from the graduate faculty of the Department of English (Prerequisite: All preceding requirements for the Master of Arts in English)

College/School: Liberal Arts & Behavioral Scie**Department:** Department of English

English Track A (Thesis Option), Master of Arts

Application Deadlines

Fall Admission: July 15

Spring Admission: November 15

Minimum Requirements for Admission

- Bachelor of Arts in English or Bachelor of Arts and/or Bachelor of Science in another discipline
- Minimum of 2.75 overall G.P.A. in undergraduate studies and 3.0 G.P.A. in the discipline

Qualifications for Graduate Assistantships

- Highly competitive
- Limited – three per year (2 semesters); may be renewed for two additional consecutive semesters
- Maintenance of G.P.A. of 3.5 or above while enrolled in the program
- Students who achieve 3.4 or above after two semesters of residence are eligible to apply for graduate assistantship consideration

Application Materials ¹

Students should submit the following materials to the Texas Southern University Graduate School:

- The online application
- Academic transcripts from all (attended) institutions of higher learning
- Application fees

¹

All materials are required for admittance consideration

The following materials should be submitted to the Director of Graduate Studies, Department of English:

- Three letters of recommendation
- The student's statement of intent (1-2 pages)
- A ten to fifteen (10-15) page critical writing sample with bibliography

In order to earn a Master's degree in English under Track A, a candidate must complete the following departmental requirements:

1. Thirty (30) hours of graduate work in English inclusive of ENG 837 Thesis In Progress, with an emphasis in African American, American, or British literature) *Required Core Courses:* ENG 502 Cornerstone Survey, ENG 533 Methods Of Research, and ENG 638 Survey of Lit Theory
2. A written comprehensive examination
3. End of program assessment that includes a comprehensive test, research completion, and evaluation
4. An acceptable thesis based on an investigation of a subject approved by the Department and the University Graduate School
5. An oral defense of the thesis before the committee of graduate faculty advisors
6. A completed thesis approved by the University Graduate School

Master of Arts Degree in English

Course	Title	Hours
First Year		
First Semester		
ENG 502	Cornerstone Survey	3
ENG 533	Methods Of Research	3

ENG 638	Survey of Lit Theory	3
Hours		9
Second Semester		
ENG 530	African American Fiction	3
ENG 735	The British Novel	3
ENG 732	American Novel	3
Hours		9
Second Year		
Third Semester		
ENG 5XX/6XX/7XX English Elective		3
ENG 5XX/6XX/7XX English Elective		3
ENG 5XX/6XX/7XX English Elective		3
Hours		9
Fourth Semester		
ENG 837	Thesis In Progress	3
Hours		3
Total Hours		30

English Track B (Non-Thesis Option), Master of Arts

Application Deadlines

Fall Admission: July 15

Spring Admission: November 15

Minimum Requirements for Admission

- Bachelor of Arts in English or Bachelor of Arts and/or Bachelor of Science in another discipline
- Minimum of 2.75 overall G.P.A. in undergraduate studies and 3.0 G.P.A. in the discipline

Qualifications for Graduate Assistantships

- Highly competitive
- Limited – three per year (2 semesters); may be renewed for two additional consecutive semesters
- Maintenance of G.P.A. of 3.5 or above while enrolled in the program
- Students who achieve 3.4 or above after two semesters of residence are eligible to apply for graduate assistantship consideration

Application Materials ¹

Students should submit the following materials to the Texas Southern University Graduate School:

- The online application
- Academic transcripts from all (attended) institutions of higher learning
- Application fees

¹

All materials are required for admittance consideration

The following materials should be submitted to the Director of Graduate Studies, Department of English:

- Three letters of recommendation
- The student’s statement of intent (1-2 pages)
- A ten to fifteen (10-15) page critical writing sample with bibliography

In order to earn a Master’s degree in English under Track B, a candidate must complete the following departmental requirements:

1. Thirty (30) hours of graduate work in English for a general concentration in literature inclusive of ENG 835 Directed Reading and Research
Required Core Courses: ENG 502 Cornerstone Survey, ENG 533 Methods Of Research, and ENG 638 Survey of Lit Theory
2. A written comprehensive examination
3. End of program assessment that includes the comprehensive examination, portfolio, and research completion
4. An acceptable portfolio of at least six seminar-length analyses covering each of the areas of required studies (American, African-American, British, and Criticism) with the portfolio to be evaluated by members of the graduate faculty
5. An acceptable research project based on an investigation of a topic approved by the Department and the University Graduate School
6. An oral review of the portfolio or research project before the committee of graduate faculty advisors

Master of Arts Degree in English

Course	Title	Hours
First Year		
First Semester		
ENG 502	Cornerstone Survey	3
ENG 533	Methods Of Research	3
ENG 638	Survey of Lit Theory	3
Hours		9
Second Semester		
ENG 530	African American Fiction	3
ENG 735	The British Novel	3
ENG 732	American Novel	3
Hours		9
Second Year		
Third Semester		
ENG 5XX/6XX/7XX English Elective		3
ENG 5XX/6XX/7XX English Elective		3
ENG 5XX/6XX/7XX English Elective		3
Hours		9
Fourth Semester		
ENG 835	Directed Reading and Research	3
Hours		3
Total Hours		30

Department of History

The mission of the History Graduate Program at Texas Southern University is to expand student’s knowledge of history and to develop the research, analytical, and critical skills that will prepare them for careers in academia, education, law, non-profit organizations, government, or public history. Students in this program will enhance their research and reading and writing skills.

The M.A. degree may be earned either in person or fully online through Texas Southern University’s virtual Blackboard campus.

- History (Non-thesis Option), Master of Arts (p. 60)
- History (Thesis option), Master of Arts (p. 61)

Advanced Undergraduate/Graduate

(These courses can be taken for graduate credit only with the permission of the graduate advisor)

HIST 421 Topics in African Diaspora (3 Credits)

Lecture: 3
Topics in African Diaspora (3) Directed readings course that may be repeated for up to six hours credit. Topics examine the history of the peoples of the African Diaspora. Three hours of lecture per week.
College/School: Liberal Arts & Behavioral Scie
Department: Dept of History & Geography

HIST 430 Topics In History (3 Credits)

Lecture: 3, **Lab:** 0
Topics in U.S. History (3) Intensive study with reading and discussion of special topics in United States, African American, and world history. Special attention will be focused on selected national and international topics. Three hours of lecture per week. May be repeated for up to 9 credits as topics vary. Prerequisites: HIST 231 and HIST 232.
Prerequisite(s): (HIST 231 and HIST 232)
College/School: Liberal Arts & Behavioral Scie
Department: Dept of History & Geography

HIST 432 Topics in World History (3 Credits)

Lecture: 3
Topics in World History (3) Directed readings course that may be repeated for up to six hours credit. Topics examine themes in the history of societies and cultures throughout the world. Prerequisites: HIST 231 and HIST 232.
Prerequisite(s): HIST 231 and HIST 232
College/School: Liberal Arts & Behavioral Scie
Department: Dept of History & Geography

HIST 434 Topics In Latin Amer Hist (3 Credits)

Lecture: 3, **Lab:** 0
Topics in Latin American History (3) General study of the origins of the peoples, cultures, and politics of Latin America with special emphasis on the problems of colonialism, imperialism, and hemispheric solidarity. Prerequisites: HIST 231 and HIST 232. May be repeated for up to six credits as topics vary.
Prerequisite(s): (HIST 231 and HIST 232)
College/School: Liberal Arts & Behavioral Scie
Department: (R)DeptHlth,PhysEdu&Rec

HIST 438 History of the South (3 Credits)

Lecture: 3, **Lab:** 0
History of the South (3) Examination of the South, including Houston during and after slavery with particular emphasis on race relations as well as cultural and economic development. Three hours of lecture per week. Prerequisites: HIST 231 and HIST 232.
Prerequisite(s): (HIST 231 and HIST 232)
College/School: Liberal Arts & Behavioral Scie
Department: (R)DeptHlth,PhysEdu&Rec

HIST 439 The United States Since 1945 (3 Credits)**Lecture:** 3, **Lab:** 0

The United States since 1945 (3) Examination of the rapid social and political changes experienced by the United States since World War II with particular attention given to America's involvement in foreign affairs. Three hours of lecture per week. Prerequisites: HIST 231 and HIST 232.

Prerequisite(s): (HIST 231 and HIST 232)**College/School:** Liberal Arts & Behavioral Scie**Department:** Dept of History & Geography**HIST 447 Mod African-American Hist (3 Credits)****Lecture:** 3, **Lab:** 0

Modern African American History (3) Examination of the background and events of the struggle for legal, political, and economic equality by African Americans up to the present day. Three hours of lecture per week. May be repeated as topics vary. Prerequisites: HIST 231 and HIST 232.

Prerequisite(s): (HIST 231 and HIST 232)**College/School:** Liberal Arts & Behavioral Scie**Department:** Dept of History & Geography**HIST 471 Revolutionary America (3 Credits)****Lecture:** 3, **Lab:** 0

The American Revolution (3) Examination of the explosive political, social, and cultural developments between 1763 and 1789 which culminated in a war for independence and the adoption of the U. S. Constitution. Three hours of lecture per week. Prerequisites: HIST 231 and HIST 232.

Prerequisite(s): (HIST 231 and HIST 232)**College/School:** Liberal Arts & Behavioral Scie**Department:** Dept of History & Geography**HIST 478 Slavery (3 Credits)****Lecture:** 3, **Lab:** 0

Slavery (3) Examination of the political, social, economic, and cultural impact of slavery on the Western world. Three hours of lecture per week. Prerequisites: HIST 231 and HIST 232.

Prerequisite(s): (HIST 231 and HIST 232)**College/School:** Liberal Arts & Behavioral Scie**Department:** Dept of History & Geography**HIST 479 Urban Hist Of U S (3 Credits)****Lecture:** 3, **Lab:** 0

Urban History of the United States (3) Examination of the process of urbanization in American history with special emphasis on the role of ethnic minorities, Blacks, and Browns, in an urban nation. Three hours of lecture per week. Prerequisites: HIST 231 and HIST 232.

Prerequisite(s): (HIST 231 and HIST 232)**College/School:** Liberal Arts & Behavioral Scie**Department:** Dept of History & Geography**HIST 481 Topics In African Hist (3 Credits)****Lecture:** 3, **Lab:** 0

Topics in African History (3) Series of specialized topics in African history. Topics include ancient African kingdoms, history of South Africa, and the Atlantic slave trade. May be repeated up to 6 credits as topics vary. Three hours of lecture per week. Prerequisites: HIST 231 and HIST 232.

Prerequisite(s): (HIST 231 and HIST 232)**College/School:** Liberal Arts & Behavioral Scie**Department:** Dept of History & Geography

Graduate Courses

HIST 531 Readings in US History (3 Credits)**Lecture:** 3, **Lab:** 0

HIST 531 READINGS IN U. S. HISTORY (3) Directed readings in selected areas of U.S. history to introduce the student to the themes and concepts of U.S. history. (This course may be taken more than once, but no more than three [3] times, as topics vary, with the permission of the instructor.)

College/School: Liberal Arts & Behavioral Scie**Department:** Dept of History & Geography**HIST 532 Readings in African Amer Hist (3 Credits)****Lecture:** 3, **Lab:** 0

HIST 532 READINGS IN AFRICAN AMERICAN HISTORY (3) Directed readings in selected areas of African American history to introduce the student to the themes and concepts of African American history. (This course may be taken more than once, but no more than three [3] times, as topics vary, with the permission of the instructor.)

College/School: Liberal Arts & Behavioral Scie**Department:** Dept of History & Geography**HIST 533 Readings in World Europe (3 Credits)****Lecture:** 3, **Lab:** 0

HIST 533 READINGS IN EUROPEAN/WORLD HISTORY (3) Directed readings on specified topics in European or world history. (This course may be taken more than once, but no more than three [3] times, as topics vary, with the permission of the instructor.)

College/School: Liberal Arts & Behavioral Scie**Department:** Dept of History & Geography**HIST 581 Readings in African History (3 Credits)****Lecture:** 3

HIST 581 READINGS IN AFRICAN HISTORY (3) Directed readings in selected areas of African history to introduce the student to the themes and concepts of African history. (This course may be taken more than once, but no more than three [3] times, as topics vary, with the permission of the instructor.)

College/School: Liberal Arts & Behavioral Scie**Department:** Dept of History & Geography**HIST 582 Spec Problems in African Hist (3 Credits)****Lecture:** 3

HIST 582 SPECIAL PROBLEMS IN AFRICAN HISTORY (3) Intensive study with reading and discussion of special problems in African history. (This course may be taken more than once, but no more than three [3] times, as topics vary, with the permission of the instructor.)

College/School: Liberal Arts & Behavioral Scie**Department:** Dept of History & Geography**HIST 630 Spec Probs in Amer Hist (3 Credits)****Lecture:** 3, **Lab:** 0

HIST 630 PROBLEMS IN U. S. HISTORY (3) Directed readings on specified topics in U. S. history. (This course may be taken more than once, but no more than three [3] times, as topics vary, with the permission of the instructor.)

College/School: Liberal Arts & Behavioral Scie**Department:** Dept of History & Geography**HIST 631 Historiography I (3 Credits)****Lecture:** 3, **Lab:** 0

HIST 631 HISTORIOGRAPHY I (3) A survey of Western historical methods and thought from the Greeks through the 19th Century.

College/School: Liberal Arts & Behavioral Scie**Department:** Dept of History & Geography

HIST 632 Historiography II (3 Credits)

Lecture: 3, **Lab:** 0

HIST 632 HISTORIOGRAPHY II (3) A survey of twentieth century and non-Western historical methods and thought.

College/School: Liberal Arts & Behavioral Scie

Department: Dept of History & Geography

HIST 633 Problems in African Disp (3 Credits)

Lecture: 3, **Lab:** 0

HIST 633 PROBLEMS IN AFRICAN DIASPORA HISTORY (3) Directed readings on specified topics in the history of the peoples of the African Diaspora. (This course may be taken more than once, but no more than three [3] times, as topics vary, with the permission of the instructor.)

College/School: Liberal Arts & Behavioral Scie

Department: Dept of History & Geography

HIST 635 Civil War Reconst Nat Develop (3 Credits)

Lecture: 3, **Lab:** 0

HIST 635 THE CIVIL WAR AND RECONSTRUCTION (3) An analysis of the social and political crisis of the Civil War and the social and political readjustments of the period of Reconstruction

College/School: Liberal Arts & Behavioral Scie

Department: Dept of History & Geography

HIST 640 United States Since 1900 (3 Credits)

Lecture: 3, **Lab:** 0

HIST 640 UNITED STATES SINCE 1900 (3) An examination of the history of the United States in the twentieth century, with particular emphasis on the economic and social problems of contemporary America.

College/School: Liberal Arts & Behavioral Scie

Department: Dept of History & Geography

HIST 734 Seminar In American History (3 Credits)

Lecture: 3, **Lab:** 0

HIST 734 SEMINAR IN AMERICAN HISTORY (3) Readings, discussion, and research in selected topics in American history.

College/School: Liberal Arts & Behavioral Scie

Department: Dept of History & Geography

HIST 736 Seminar In Afro-American Hist (3 Credits)

Lecture: 3, **Lab:** 0

HIST 736 SEMINAR IN AFRO-AMERICAN HISTORY (3) Readings, discussion, and research in selected topics in Afro-American history.

College/School: Liberal Arts & Behavioral Scie

Department: Dept of History & Geography

HIST 750 Historical Research (3 Credits)

Lecture: 3, **Lab:** 0

HIST 750 HISTORICAL RESEARCH (3) A survey of historical research methodology.

College/School: Liberal Arts & Behavioral Scie

Department: Dept of History & Geography

HIST 790 Thesis in History (3 Credits)

Lecture: 3

HIST 790 THESIS IN HISTORY (3) Directed work in the research and writing of a master's thesis in history. (Open only to students choosing the Thesis Option. This course must be taken for a total of six semester hours in consecutive semesters).

College/School: Liberal Arts & Behavioral Scie

Department: Dept of History & Geography

History (Non-thesis Option), Master of Arts

In addition to the general requirements for admission to the Graduate School (see the *General Information section of this catalog*), applicants for admission to the M.A. program in history are expected to have completed an undergraduate major or minor in history, or a related discipline. Those who do not have the equivalent of a history major or minor may be required to enroll in and successfully complete undergraduate history courses before they are fully admitted to the program. All application materials should be submitted to the **Texas Southern University Graduate School**. The department chair or the graduate faculty advisor will review all applications and make recommendations on admission to the Dean of the Graduate School.

Complete thirty (30) semester credit hours of graduate work (twelve (12) semester credit hours of required courses, including a research seminar, and eighteen (18) semester credit hours of electives) with a grade point average of at least 3.0; complete a research project and seminar paper in HIST 734 Seminar In American History or HIST 736 Seminar In Afro-American Hist; pass a comprehensive examination over course work in history. Eligible students are allowed a maximum of three attempts to pass the comprehensive examination over course work in history.

Summary

Code	Title	Hours
Core Courses (p. 60)		9
Other Requirements (p.)		3
Electives (p. 60)		18
Total Hours		30

Core Courses

Code	Title	Hours
HIST 631	Historiography I	3
HIST 632	Historiography II	3
HIST 750	Historical Research	3
Total Hours		9

Other requirements

Code	Title	Hours
HIST 734	Seminar In American History	3
or HIST 736	Seminar In Afro-American Hist	
Total Hours		3

Electives¹

1

Students may take 400 level courses for graduate credit only with the permission of the graduate advisor

Code	Title	Hours
HIST 4XX/5XX/6XX/7XX		3
HIST 4XX/5XX/6XX/7XX		3
HIST 5XX/6XX/7XX		3
HIST 5XX/6XX/7XX		3
HIST 5XX/6XX/7XX		3

HIST 5XX/6XX/7XX	3
Total Hours	18

History (Thesis option), Master of Arts

In addition to the general requirements for admission to the Graduate School (see the *General Information section of this catalog*), applicants for admission to the M.A. program in history are expected to have completed an undergraduate major or minor in history, or a related discipline. Those who do not have the equivalent of a history major or minor may be required to enroll in and successfully complete undergraduate history courses before they are fully admitted to the program. All application materials should be submitted to the **Texas Southern University Graduate School**. The department chair or the graduate faculty advisor will review all applications and make recommendations on admission to the Dean of the Graduate School.

Complete thirty (30) semester hours of graduate work; nine (9) semester credit hours of required courses, fifteen (15) semester credit hours of electives, and six (6) semester hours of thesis with a grade point average of at least 3.0; demonstrate competency in functional English; pass a comprehensive examination over course work in history; write and defend a satisfactory history thesis. For HIST 790 Thesis in History, students will receive grades of satisfactory or unsatisfactory only. Eligible students are allowed a maximum of three attempts to pass the comprehensive examination over course work in history.

Summary

Code	Title	Hours
Core Courses (p. 61)		9
Electives (p. 61)		15
Thesis (p. 61)		6
Total Hours		30

Core Courses

Code	Title	Hours
HIST 631	Historiography I	3
HIST 632	Historiography II	3
HIST 750	Historical Research	3
Total Hours		9

Electives¹

Code	Title	Hours
HIST 4XX/5XX/6XX/7XX		3
HIST 4XX/5XX/6XX/7XX		3
HIST 5XX/6XX/7XX		3
HIST 5XX/6XX/7XX		3
HIST 5XX/6XX/7XX		3
Total Hours		15

Thesis

Code	Title	Hours
HIST 790	Thesis in History ²	3
Total Hours		6

¹

Students may take HIST 400 level courses for graduate credit only with the permission of the graduate advisor.

²

Must be enrolled in HIST 790 Thesis in History for two consecutive semesters. Students will receive grades of satisfactory or unsatisfactory only in this course.

Department of Human Services and Consumer Sciences

PLEASE NOTE: The MASTER OF SCIENCE IN HUMAN SERVICES AND CONSUMER SCIENCES DEGREE IS NO LONGER ACCEPTING NEW APPLICANTS AND IS PRESENTLY BEING PHASED OUT.

- Human Services and Consumer Sciences Plan A. (Thesis Option), Master of Science (p. 65)
- Human Services and Consumer Sciences Plan B. (Non-Thesis Option), Master of Science (p. 65)

Child and Family Development Advanced Undergraduate/Graduate

CFDV 432 Children's Literature (3 Credits)

Lecture: 3

Children's Literature (3) Analysis of children's books with emphasis on literacy and language development enhancement for children. Extensive reading of books by outstanding authors and illustrators included. Three hours of lecture per week. Prerequisite: Junior or senior standing or consent of the instructor.

College/School: Liberal Arts & Behavioral Scie

Department: Human Serv & Consumer Sci

CFDV 435 Child Nutrition (3 Credits)

Lecture: 3

Child Nutrition (3) Principles of nutrition affecting growth and development from conception through early childhood. Emphasis on menu planning, preparation, portion control, and nutritional requirements in early childhood programs. Three hours of lecture per week. Prerequisite: FN 233 or consent of the instructor.

College/School: Liberal Arts & Behavioral Scie

Department: Human Serv & Consumer Sci

CFDV 436 Parenting (3 Credits)

Lecture: 3

Parenting (3) Study of theoretical procedures and techniques for use in guiding the behavior and development of the child. Application of current research on parenting models utilized. Three hours of lecture per week. Prerequisites: CFDV 234 and CFDV 235 or consent of the instructor.

College/School: Liberal Arts & Behavioral Scie

Department: Human Serv & Consumer Sci

Graduate

CFDV 531 Guidance of Children (3 Credits)

Lecture: 3

GUIDANCE OF CHILDREN (3) Advanced principles and theories of child development and guidance with emphasis on implications for application of appropriate management techniques for enhancing growth and competence of the young child.

College/School: Liberal Arts & Behavioral Scie

Department: Human Serv & Consumer Sci

CFDV 532 Lang Cog & Dev Early Chd (3 Credits)

Lecture: 3

LANGUAGE COGNITION and DEVELOPMENT IN EARLY CHILDHOOD (3) Study of language acquisition theories for promoting developmentally appropriate literacy in the early years.

College/School: Liberal Arts & Behavioral Scie

Department: Human Serv & Consumer Sci

CFDV 533 Parental Influence Dev (3 Credits)

Lecture: 3

PARENTAL INFLUENCE and INVOLVEMENT IN CHILD DEVELOPMENT (3) Current issues in parenting; emphasis on the influence of parental involvement and positive parent/child relationships on development in the early years.

College/School: Liberal Arts & Behavioral Scie

Department: Human Serv & Consumer Sci

CFDV 534 Issues in Child & Family Dev (3 Credits)

Lecture: 3

ISSUES IN CHILD AND FAMILY DEVELOPMENT (3) Intensive study of contemporary problems and issues affecting children and families in the development process.

College/School: Liberal Arts & Behavioral Scie

Department: Human Serv & Consumer Sci

CFDV 536 Grad Practicum (3 Credits)

Lab: 40

GRADUATE PRACTICUM (3) Opportunities for field experience in early childhood. Individual placements focused on needs of the student; one lecture hour per week and ten (10) practicum hours per week.

College/School: Liberal Arts & Behavioral Scie

Department: Human Serv & Consumer Sci

CFDV 578 Curr Analy Early Chd Dev (3 Credits)

Lecture: 3

CURRICULUM DEVELOPMENT IN EARLY CHILDHOOD (3) Principles involved in developing effective programs for young children; emphasis on inclusion of developmentally appropriate practices for stimulating creativity, cognitive, physical, social and affective development.

College/School: Liberal Arts & Behavioral Scie

Department: Human Serv & Consumer Sci

CFDV 631 Nurs Sch & Kindergarten Admin (3 Credits)

Lecture: 3

NURSERY SCHOOL and KINDERGARTEN ADMINISTRATION (3) Study of administrative processes that support quality programs for young children; consideration of administrative concerns such as organizational management, fiscal management, facilities planning and management, records, health and safety issues, program planning and assessment, family involvement, and personnel management.

College/School: Liberal Arts & Behavioral Scie

Department: Human Serv & Consumer Sci

CFDV 634 Seminar in Child and Family Development (3 Credits)

Lecture: 3

SEMINAR IN CHILD and FAMILY DEVELOPMENT (3) Presentation and discussion of current research topics in human development and family relationships.

College/School: Liberal Arts & Behavioral Scie

Department: Human Serv & Consumer Sci

CFDV 635 Infant Dev & Behavior (3 Credits)

Lecture: 3

INFANT DEVELOPMENT and BEHAVIOR (3) Principles of physical, emotional and cognitive development of infants with emphasis on the practical application of theoretical philosophies and research.

College/School: Liberal Arts & Behavioral Scie

Department: Human Serv & Consumer Sci

CFDV 671 Behavior Probs Young Child (3 Credits)

Lecture: 3

BEHAVIOR PROBLEMS OF YOUNG CHILDREN (3) The study of emerging and developing deviate and normal behavior patterns of children from infancy through the middle years, with emphasis on identifying and utilizing behavioral management techniques appropriate for modifying behaviors positively.

College/School: Liberal Arts & Behavioral Scie

Department: Human Serv & Consumer Sci

Advanced Undergraduate

NUTR 340 Experimental Food lab (3 Credits)

Lecture: 2, **Lab:** 2

Analysis of chemical and physical properties of food, study of ingredient functions and factors affecting food product quality as measured by sensory and objective methods, current practices and trends in food technology. Research design, data collection and analysis.

Prerequisite(s): (NUTR 240 and CHEM 231 and CHEM 211 and BIOL 246)

College/School: Liberal Arts & Behavioral Scie

Department: Human Serv & Consumer Sci

NUTR 423 Community Nutrition (3 Credits)

Lecture: 3

"Discusses the role of nutrition in promoting, maintaining and improving health in the community; financial, legislative, political, sociological, and scientific aspects of public and community health; analytical tools, grantsmanship; role of public and private agencies in community nutrition programs; goals and trends in community nutrition. PREQUISISTES: NUTR 336, NUTR 350 "

Prerequisite(s): (NUTR 336 and NUTR 350)

College/School: Liberal Arts & Behavioral Scie

Department: Human Serv & Consumer Sci

NUTR 460 Medical Nutrition TherapyI (3 Credits)

Lecture: 3

Prerequisite(s): (NUTR 457 and PHAR 212)

College/School: Liberal Arts & Behavioral Scie

Department: Human Serv & Consumer Sci

NUTR 460L Medical Nutrition Therapy I Lab (1 Credits)**Lab: 1**

"The application of the Nutrition Care Process (NCP) and evidence-based practice to specific pathophysiological conditions - includes nutrition assessment, nutrition diagnosis, nutrition intervention, and nutrition monitoring and evaluation. This course must be taken concurrently with NUTR 460. PREQUISTISTES: NUTR 457, PHAR 212. This course requires extensive preparation and relies heavily on your previous knowledge of advanced nutrition, anatomy, microbiology, physiology and biochemistry. This course must be taken concurrently with NUTR 460. CO-REQUISTISTES: NUTR 460, NUTR 430 "

Prerequisite(s): (NUTR 457 and PHAR 212)

College/School: Liberal Arts & Behavioral Scie

Department: Human Serv & Consumer Sci

NUTR 461 Medi Nutrition Therapy II (3 Credits)**Lecture: 3**

"The application of the Nutrition Care Process (NCP) and evidence-based practice to specific pathophysiological conditions - includes nutrition assessment, nutrition diagnosis, nutrition intervention, and nutrition monitoring and evaluation. This course must be taken concurrently with NUTR 461L (Medical Nutrition Therapy Lab II). PREQUISTISTES: NUTR 460, NUTR 460L, NUTR 430. This course requires extensive preparation and relies heavily on your previous knowledge of advanced nutrition, anatomy, microbiology, physiology and biochemistry. This course must be taken concurrently with NUTR 461L. CO-REQUISTISTES: NUTR 461L "

Prerequisite(s): (NUTR 460 and NUTR 460L and NUTR 430)

College/School: Liberal Arts & Behavioral Scie

Department: Human Serv & Consumer Sci

NUTR 461L Medi Nutrition Therapy II (1 Credits)**Lab: 1**

"The application of the Nutrition Care Process (NCP) and evidence-based practice to specific pathophysiological conditions - includes nutrition assessment, nutrition diagnosis, nutrition intervention, and nutrition monitoring and evaluation. This course must be taken concurrently with NUTR 461 (Medical Nutrition Therapy II). PREQUISTISTES: NUTR 460, NUTR 460L, NUTR 430. This course requires extensive preparation and relies heavily on your previous knowledge of advanced nutrition, anatomy, microbiology, physiology and biochemistry. This course must be taken concurrently with NUTR 461. CO-REQUISTISTES: NUTR 461

Prerequisite(s): (NUTR 460 (may be taken concurrently) and NUTR 460L and NUTR 430)

College/School: Liberal Arts & Behavioral Scie

Department: Human Serv & Consumer Sci

Graduate**FN 531 Food Processing (3 Credits)****Lecture: 1, Lab: 4**

Principles and methods of food preservation; changes occurring during processing and storage; control of changes in food because of enzyme 5 microorganisms and chemical reactions. Research paper required. One lecture and four laboratory hours per week. Fee: \$4.00.

College/School: Liberal Arts & Behavioral Scie

Department: Human Serv & Consumer Sci

FN 537 Tchg Nut & Hlth In Pub Schs (3 Credits)**Lecture: 3, Lab: 0**

The relation of nutrition to health and its implication to the education of youth. Methods of planning and correlating nutrition and health with other subjects in public schools. Recommended for education majors. Research paper required.

College/School: Liberal Arts & Behavioral Scie

Department: Human Serv & Consumer Sci

FN 539 Human Nutrition Adulthd (3 Credits)**Lecture: 3, Lab: 0**

Advanced study of normal and therapeutic nutrition during early, middle, and late adulthood. Nutritional assessments, requirements, and factors influencing the quality of diet. Research paper required.

College/School: Liberal Arts & Behavioral Scie

Department: Human Serv & Consumer Sci

FN 543 Mgmt Probs Food Serv Sys (4 Credits)**Lecture: 4, Lab: 2**

Advanced study of institutional administration of food service systems: including organizational structures, personnel, management, administration, budgetary control, problems, responsibilities, policies and procedures . Two lecture and four practicum hours per week. Fee: \$4.00.

College/School: Liberal Arts & Behavioral Scie

Department: Human Serv & Consumer Sci

FN 632 Demonstration Techniques (3 Credits)**Lecture: 1, Lab: 4**

Techniques and procedures in the demonstration of preparation of foods for business and social purposes; extension; and teaching. Two lecture and two seminar hours per week. Research paper and practicum required (Prerequisite: HSCS 511; Co-requisite: HSCS 760.)

College/School: Liberal Arts & Behavioral Scie

Department: Human Serv & Consumer Sci

FN 634 Sem Fds & Nutri (3 Credits)**Lecture: 2, Lab: 2**

Individual reports and discussions of proposed research in foods and nutrition. Oral presentation at scheduled seminars required. Two lecture and two seminar hours per week. Research paper and practicum required. (Prerequisite: HSCS 511; Co requisite: HSCS 760; formerly FN 534)

College/School: Liberal Arts & Behavioral Scie

Department: Human Serv & Consumer Sci

FN 641 Instit Food Prod & Serv (4 Credits)**Lecture: 2, Lab: 2**

Advanced study of food purchasing production and service in health care and related facilities; specification writing, recipe development, analysis of food costs, computer applications in food service systems. Three lecture and two practicum hours per week.

College/School: Liberal Arts & Behavioral Scie

Department: Human Serv & Consumer Sci

Human Services and Consumer Sciences**Advanced Undergraduate****FCS 434 Occu Prog & Public Policy (3 Credits)****Lecture: 3, Lab: 0**

Occupational Programs Public Policy (3) Planning and implementing programs in occupational family sciences. Study and evaluation of selected legislation and public policy related to family science and its impact of families. Three hours of lecture per week.

College/School: Liberal Arts & Behavioral Scie

Department: Human Serv & Consumer Sci

FCS 435 Communication: Fam & Marriage* (3 Credits)**Lecture:** 3, **Lab:** 0

Communication: Family and Marriage (3) Personal and professional growth and development through more effective communication within the family milieu and the marital unit. Three hours of lecture per week.

College/School: Liberal Arts & Behavioral Scie**Department:** Human Serv & Consumer Sci**HSCS 437 Statistics (3 Credits)****Lecture:** 3

Statistics (3) Survey of descriptive and inferential statistical techniques. Emphasis on understanding and interpreting statistical concepts used in research. Three hours of lecture per week. Prerequisite: Advanced senior standing or consent of the instructor.

College/School: Liberal Arts & Behavioral Scie**Department:** Human Serv & Consumer Sci**FCS 438 Fam & Consumer Economics (3 Credits)****Lecture:** 3, **Lab:** 0

Study of consumer management principles and income distribution patterns relative to time and money use decision by the family. Three hours of lecture per week. Prerequisite: HSCS 233.

College/School: Liberal Arts & Behavioral Scie**Department:** Human Serv & Consumer Sci**FCS 439 Family & Com Services (1 Credits)****Lecture:** 1, **Lab:** 0

Utilization of family and consumer sciences perspectives in family service agencies within government, public, and private sectors. One hour of lecture per week. Prerequisite: HSCS 233 and FCS 436.

College/School: Liberal Arts & Behavioral Scie**Department:** Human Serv & Consumer Sci**FCS 439L Family & Comm Serv Lab (2 Credits)****Lecture:** 0, **Lab:** 4

Practicum to accompany FCS 439. Four hours per week. Prerequisites: HSCS 233 and FCS 436.

Prerequisite(s): (HSCS 233 and FCS 436)**College/School:** Liberal Arts & Behavioral Scie**Department:** Human Serv & Consumer Sci**FCS 439 Family & Com Services (1 Credits)****Lecture:** 1, **Lab:** 0

Utilization of family and consumer sciences perspectives in family service agencies within government, public, and private sectors. One hour of lecture per week. Prerequisite: HSCS 233 and FCS 436.

College/School: Liberal Arts & Behavioral Scie**Department:** Human Serv & Consumer Sci**Graduate Courses****HSCS 510 Intro Grad Stud Hum Ser Con (3 Credits)****Lecture:** 3

INTRODUCTION TO GRADUATE STUDIES IN HUMAN SERVICES and CONSUMER SCIENCES (3) Orientation, history and philosophy of Human Services and Consumer Sciences. Analysis of current programs and future direction in the field. Examination of research integrative framework.

College/School: Liberal Arts & Behavioral Scie**Department:** Human Serv & Consumer Sci**HSCS 511 Ind Study (3 Credits)****Lecture:** 3

INDEPENDENT STUDY (3) Individualized work on a project in area of specialty under supervision. Major advisor and/or instructor approval required (Prerequisites: HSCS 510, HSCS 534, and satisfactory completion of Graduate English requirement).

College/School: Liberal Arts & Behavioral Scie**Department:** Human Serv & Consumer Sci**HSCS 512 Sur Res Human Ser & Con Sci (3 Credits)****Lecture:** 3

RESEARCH SEMINAR (3) Presentation of research papers and/or projects (Prerequisites: HSCS 511 and 534).

Prerequisite(s): (HSCS 510 and HSCS 534)**College/School:** Liberal Arts & Behavioral Scie**Department:** Human Serv & Consumer Sci**HSCS 534 Rdgs Areas Spec Hum Ser Con Sc (3 Credits)****Lecture:** 3

READINGS IN AREAS OF SPECIALIZATION IN HUMAN SERVICES and CONSUMER SCIENCES (3) Readings in and discussion of selected studies and recent developments in Human Services and Consumer Sciences.

College/School: Liberal Arts & Behavioral Scie**Department:** Human Serv & Consumer Sci**HSCS 536 Special Topics in HSCS (3 Credits)****Lecture:** 3

SPECIAL TOPICS IN HUMAN SERVICES and CONSUMER SCIENCES (3) Selected topics in an identified area of study in the Department of Human Services and Consumer Sciences (Prerequisite: instructor's consent).

College/School: Liberal Arts & Behavioral Scie**Department:** Human Serv & Consumer Sci**HSCS 631 Administration & Superv HSCS (3 Credits)****Lecture:** 3

ADMINISTRATION and SUPERVISION OF HUMAN SERVICES and CONSUMER SCIENCES (3) Qualifications and responsibilities of supervisors and administrators; criteria for evaluating supervision and administration in Human Services and Consumer Sciences.

College/School: Liberal Arts & Behavioral Scie**Department:** Human Serv & Consumer Sci**HSCS 534 Rdgs Areas Spec Hum Ser Con Sc (3 Credits)****Lecture:** 3

READINGS IN AREAS OF SPECIALIZATION IN HUMAN SERVICES and CONSUMER SCIENCES (3) Readings in and discussion of selected studies and recent developments in Human Services and Consumer Sciences.

College/School: Liberal Arts & Behavioral Scie**Department:** Human Serv & Consumer Sci**HSCS 635 Current Trends in Family Stud (3 Credits)****Lecture:** 3

CURRENT TRENDS IN HUMAN SERVICES and CONSUMER SCIENCES (3) Study of recent advances and current research related to consumer behavior and changing societal needs and psychology, with particular emphasis on programs of Human Services and Consumer Sciences at various educational levels.

College/School: Liberal Arts & Behavioral Scie**Department:** Human Serv & Consumer Sci

HSCS 760 Research Probs Hum Ser Con Sci (3 Credits)**Lecture:** 3

ADVANCED RESEARCH (3) Survey of research theories, methods and processes involved in designing research studies.

College/School: Liberal Arts & Behavioral Scie**Department:** Human Serv & Consumer Sci**HSCS 762 Thesis Writing (3 Credits)****Lecture:** 3, **Lab:** 12

THESIS WRITING (3) Directed individual study on Human Services and Consumer Sciences thesis topic (Prerequisite: Approval of graduate advisor required).

College/School: Liberal Arts & Behavioral Scie**Department:** Human Serv & Consumer Sci

Human Services and Consumer Sciences Plan A. (Thesis Option), Master of Science

PLEASE NOTE: THIS DeGREE IS NO LONGER ACCEPTING NEW APPLICANTS AND IS PRESENTLY BEING PHASED OUT.

PLEASE NOTE: THIS DEGREE IS NO LONGER ACCEPTING NEW APPLICANTS AND IS PRESENTLY BEING PHASED OUT.

SUMMARY

Code	Title	Hours
	Core Curriculum (p. 65)	15
	Select one of the following Concentrations: ¹	12
	Child & Family Development (p. 65)	
	Human Services & Consumer Sciences (p. 65)	
	Thesis (p. 65)	3
Total Hours		30

¹

Human Services and Consumer Sciences majors must complete at least 6 hours in each of 2 fields.

One 400 level course may be substituted for 3 semester credit hours of graduate credit in concentration block.

Core Curriculum Requirements

Code	Title	Hours
HSCS 510	Intro Grad Stud Hum Ser Con	3
HSCS 512	Sur Res Human Ser & Con Sci	3
or HSCS 511	Ind Study	
HSCS 534	Rdgs Areas Spec Hum Ser Con Sc	3
HSCS 536	Special Topics in HSCS	3
HSCS 760	Research Probs Hum Ser Con Sci	3
Total Hours		15

Concentrations

Select one of the following concentrations below:

Child & Family Development

Code	Title	Hours
CFDV XXX		3
CFDV XXX		3
CFDV XXX		3
CFDV XXX		3
Total Hours		12

Human Services & Consumer Sciences

Code	Title	Hours
HSCS XXX		3
HSCS XXX		3
HSCS XXX		3
HSCS XXX		3
Total Hours		12

¹

Human Services and Consumer Sciences majors must complete at least 6 hours in each of 2 fields

One 400 level course may be substituted for 3 semester credit hours of graduate credit in specialization block

Concentration 500 level; Concentration 600 level

- At least 12 semester credit hours in one of the following fields:
 - Child and Family Development
 - Human Services and Consumer Sciences
- Human Services and Consumer Sciences majors must complete at least 6 hours in each of 2 fields
- One 400 level course may be substituted for 3 semester credit hours of graduate credit in concentration block

Thesis

Code	Title	Hours
HSCS 762	Thesis Writing	3
Total Hours		3

Human Services and Consumer Sciences Plan B. (Non-Thesis Option), Master of Science

PLEASE NOTE: THIS DEGREE IS NO LONGER ACCEPTING NEW APPLICANTS AND IS PRESENTLY BEING PHASED OUT.

PLEASE NOTE: THIS DEGREE IS NO LONGER ACCEPTING NEW APPLICANTS AND IS PRESENTLY BEING PHASED OUT.

Summary

Code	Title	Hours
	Core Curriculum (p. 66)	15
	Select one of the following Concentrations: ¹	15
	Child & Family Development (p. 66)	

Human Services & Consumer Sciences (p. 66)	
Total Hours	30

Core Curriculum Requirements

Code	Title	Hours
HSCS 510	Intro Grad Stud Hum Ser Con	3
HSCS 511	Ind Study	3
or HSCS 512	Sur Res Human Ser & Con Sci	
HSCS 534	Rdgs Areas Spec Hum Ser Con Sc	3
HSCS 760	Research Probs Hum Ser Con Sci	3
One other optional HSCS 500 or 600 level course		3
Total Hours		15

Concentrations

Select one of the following concentrations below:¹

Child & Family Development

Code	Title	Hours
CFDV XXX		3
CFDV XXX		3
CFDV XXX		3
CFDV XXX		3
CFDV XXX		3
Total Hours		15

Human Services & Consumer Sciences

Code	Title	Hours
HSCS XXX		3
HSCS XXX		3
HSCS XXX		3
HSCS XXX		3
HSCS XXX		3
Total Hours		15

Concentration 500 level; Concentration 600 level

1. At least 12 semester credit hours in one of the following fields:
- a. Child and Family Development

b. Human Services and Consumer Sciences
2. Human Services and Consumer Sciences majors must complete at least 6 hours in each of 2 fields

Department of Psychology

As a special-purpose institution of higher education for urban programming, Texas Southern University embraces the concept of a liberal arts education, particularly as it addresses the biopsychosocial needs and societal values and norms of culturally diverse populations in urban environments. Within this context, the mission of the Master of Arts degree program in the Department of Psychology is to facilitate the acquisition of knowledge, values, and competencies of professional psychology through didactic training and practical experience; to develop a master's level psychologist who is clinically competent, ethically-grounded, scientifically informed, and culturally responsive to the practice, research, and policy mandates of psychology as a profession; and to lay the foundation for doctoral level training or professional

licensure at the master's level. The learning objectives of the graduate program in the Department of Psychology are as follows:

1. To enhance students' understanding of the major theories, concepts, current research, and historical trends in professional psychology;
2. To train students in basic research methods, including study design, data analysis and reporting, and interpretation of results so that they can conduct research and be scientifically informed consumers of the empirical literature;
3. To promote students' acquisition of critical thinking skills, skeptical inquiry, and evidenced-based approaches to solving human problems of living and disorders related to behavior and mental processes;
4. To train students to apply psychological principles and techniques to personal, social, and organizational issues; and
5. To promote professional competence so that students will be able to reflect the values underlying the practice of psychology by weighing evidence, tolerating ambiguity, acting ethically, and keeping abreast of advancements in the field.

Degree Programs

The Department of Psychology provides academic studies leading to the Master of Arts (M.A.) degree. The Texas Higher Education Coordinating Board (THECB) approves only the awarding of the M.A. degree in Psychology with no specialization. The department, however, offers two areas of concentration, Clinical- Community and School Psychology. Students are required to choose one of the areas of concentration, meet the required semester credit hours and those requirements designated in the degree plan for successful completion of the program. Students also have the option of completing a Master's Thesis.

Master's Thesis Option

Students in both the Clinical-Community concentration and the School Psychology concentration have the option of completing a Master's Thesis. After completing 12 hours of coursework in the program and being advanced to candidacy, students may enroll in PSY 832 Masters Res & Thesis I one semester and PSY 833 Masters Res & Thesis II the following semester. No more than 6 credit hours may be earned toward the Master's Thesis. The 6 hours of Master's Thesis coursework may be used to replace two courses on the student's degree plan. However, students may not replace courses that are required for licensure.

Thesis research courses receive grades of satisfactory or unsatisfactory only. Grades are assigned only after the defense of the thesis. A successful defense and submission of the thesis requires the supervising member of the faculty to assign a satisfactory grade for the appropriate research courses.

Degree Requirements

In general, the departmental requirements for advancement to candidacy for the Master of Arts degree in Psychology are as follows:

1. Demonstrated proficiency in English by passing an examination in English or by completing the course English 501. A GRE analytical writing score of 3.5 or more may be presented to satisfy this requirement.
2. Departmental recommendation to candidacy status for the Master of Arts in Psychology.
3. Successful completion of the department's Comprehensive Examination in Psychology. This examination is offered once during the fall semester and once during the spring semester. Students

who fail one or both parts of the Comprehensive Examination will be given a second chance to take the part(s) they fail. A third attempt to pass the Examination will be permitted only after consultation and/or remediation.

4. Completion with a GPA of not less than 3.00 in all required and elective graduate courses taken to satisfy program requirements.
5. Complete 60 semester credits of graduate course work of which:
 - a. All must have been earned within the past 7 years immediately preceding completion of the requirements for the degree.
 - b. Not more than 6 hours may be transfer, extensions, and/or Classified or Unclassified Post-baccalaureate courses. In addition, a grade of B or better must have been earned in courses to be transferred into the program.
 - c. Not more than 15 hours may be a combination of fieldwork and thesis/project when taken as individual supervision.
6. Earn no more than 6 semester hours with a grade of C+ or below. Grades of C+ or below are not accepted toward the Master of Arts in Psychology.

Candidacy

Advancement to candidacy as a formal candidate for the master's degree requires prior completion of the following steps:

1. Completion in classified graduate status of four or more courses at the 500 level (minimum of twelve (12) hours) within the Department of Psychology.
 2. Maintenance of a 3.0 GPA or better in all departmental coursework and in overall coursework.
 3. Acceptance by the department of a proposed formal degree plan.
 4. Recommendation by the faculty of the department for acceptance as a candidate.
- Psychology (Clinical Community Concentration), Master of Arts (p. 69)
 - Psychology (School Psychology Concentration), Master of Arts (p. 70)

PSY 533 Survey Psy Statistics (3 Credits)

Lecture: 3, **Lab:** 0

Designed for students who need practical competence in statistics. The techniques considered include reliability, validity, correlation, t-test, analysis of variance, non-parametric methods and experimental designs. (Prerequisite: Three semester hours of elementary statistics.)

College/School: Liberal Arts & Behavioral Scie

Department: Department of Psychology

PSY 536 Behavior Management (3 Credits)

Lecture: 3, **Lab:** 0

For perspective teachers, counselor, and clinicians. A survey of psychological concerns, treatment procedures, and resources important in management of child behaviors. 3 credit hours.

Prerequisite(s): PSY 531

College/School: Liberal Arts & Behavioral Scie

Department: Department of Psychology

PSY 538 Group Therapy (3 Credits)

Lecture: 3, **Lab:** 0

Theories and concepts underlying the process of group therapy. 3 credit hours.

College/School: Liberal Arts & Behavioral Scie

Department: Department of Psychology

PSY 539 Human Growth and Development (3 Credits)

Lecture: 3, **Lab:** 0

And advanced study of knowledge and theory about human development across the lifespan. The role of genetics, environment, and maturational processes in cognitive, affective, and behavioral development are covered. 3 credit hours.

College/School: Liberal Arts & Behavioral Scie

Department: Department of Psychology

PSY 540 Consultation (3 Credits)

Lecture: 3

This course is designed to provide an overview of consultation theory, research, and practice in psychology with various settings (e.g. education). Practical application of consultation skills within a problem solving, behavioral/conjoint behavioral consultation framework will be emphasized.

College/School: Liberal Arts & Behavioral Scie

Department: Department of Psychology

PSY 541 Psychological Assessment I (3 Credits)

Lecture: 3

This course will prepare students for work in the field of psychology by training them in the process of comprehensive psychological assessment, including emotional, behavioral, social, personality and vocational assessment methods.

College/School: Liberal Arts & Behavioral Scie

Department: Department of Psychology

PSY 542 Learning and Behavior Management (3 Credits)

Lecture: 3

This course introduces students to major theories of learning and how they can be used to change and manage behavior. This course teaches students the building blocks of behavior management, including how to observe, define and assess behavior, as well as how to effectively implement various behavior management strategies.

College/School: Liberal Arts & Behavioral Scie

Department: Department of Psychology

PSY 631 Research Design (3 Credits)

Lecture: 3, **Lab:** 0

Emphasis on the designing experimental studies that investigate a therapeutic intervention. Provides a systematic analysis and evaluation of research as applied to academic and community problems. (Prerequisite: Three hours in statistics.)

College/School: Liberal Arts & Behavioral Scie

Department: Department of Psychology

PSY 632 Theories of Counseling and Psychological Interventions (3 Credits)

Lecture: 3

The study of the theoretical principles of counseling and the application of psychological interventions for the treatment of clients in communities and schools. 3 credit hours.

College/School: Liberal Arts & Behavioral Scie

Department: Department of Psychology

PSY 635 Psychological Counseling, Interviewing, and Report Writing (3 Credits)

Lecture: 3, **Lab:** 0

Survey of the techniques and processes involved in psychological counseling, interviewing, and report writing. 3 credit hours.

College/School: Liberal Arts & Behavioral Scie

Department: Department of Psychology

PSY 636 Cognitive Behavior Therapy (3 Credits)**Lecture:** 3

Cognitive Behavior Therapy (CBT) is one of the most widely used intervention/treatment approaches in the nation. CBT has been shown efficacious in treating various psychological conditions. This course will train in the selection/implementation of CBT techniques based on disorder, symptoms and patient characteristics.

College/School: Liberal Arts & Behavioral Scie**Department:** Department of Psychology**PSY 637 Personality Assessment (3 Credits)****Lecture:** 3, **Lab:** 0

Major concepts and techniques in the development and construction of personality assessment instruments including the administration and interpretation of structured and semi-structured instruments.

(Prerequisite: PSY 532)

College/School: Liberal Arts & Behavioral Scie**Department:** Department of Psychology**PSY 638 Career Development (3 Credits)****Lecture:** 3

Introduction to the theoretical models, research, assessment, and techniques of career counseling. 3 credit hours.

College/School: Liberal Arts & Behavioral Scie**Department:** Department of Psychology**PSY 640 Professional Orientation in the Field of Psychology (3 Credits)****Lecture:** 3

This course helps prepare students for their careers as mental health professionals. Topics covered include resume/CV writing, seeking licensure, establishing a private practice, self-care, and professional opportunities available within the field.

College/School: Liberal Arts & Behavioral Scie**Department:** Department of Psychology**PSY 641 Social, Cultural, and Systemic Bases of Behavior (3 Credits)****Lecture:** 3

This course will emphasize critical analysis and application of social and cross-cultural psychological theories and concepts in understanding human behavior for culturally sensitive conceptualization, diagnostic assessment and treatment of mental illness and psychological disorders across diverse populations.

College/School: Liberal Arts & Behavioral Scie**Department:** Department of Psychology**PSY 642 African American Psychology (3 Credits)****Lecture:** 3

This course will examine the history of African/Black psychology as an evolving field of study. The course will explore a range of topics relevant to the psychological experiences of African Americans such as racism and discrimination, education, kinship and family, religion and spirituality, and racial identity.

College/School: Liberal Arts & Behavioral Scie**Department:** Department of Psychology**PSY 643 Psychological Assessment II (3 Credits)****Lecture:** 3

This course will continue to prepare students for work in the field of psychology by training them in the process of comprehensive psychological assessment, including intellectual (IQ) and cognitive functioning, adaptive behavior, academic achievement, autism, and brief language assessment methods.

Prerequisite(s): PSY 541**College/School:** Liberal Arts & Behavioral Scie**Department:** Department of Psychology**PSY 730 Eth & Legal Issues in Men Hlth (3 Credits)****Lecture:** 3, **Lab:** 3

The study of ethical and legal issues which relate to the mental health professionals.

College/School: Liberal Arts & Behavioral Scie**Department:** Department of Psychology**PSY 731 Role of School Psychologist (3 Credits)****Lecture:** 3

The development of the school psychologist as a member of the school staff. Includes an examination of the research on the role, function, legal and ethical responsibilities of the school psychologist as well as the relationship to staff, administrative and teaching personnel.

College/School: Liberal Arts & Behavioral Scie**Department:** Department of Psychology**PSY 733 Physiological Psychology (3 Credits)****Lecture:** 3, **Lab:** 0

A systematic study of the interrelationship between physiology and the physiological basis of mental functions and the influences of various psychological phenomena on the system of the body. (Prerequisite: Consent of the instructor)

College/School: Liberal Arts & Behavioral Scie**Department:** Department of Psychology**PSY 735 Practicum (3 Credits)****Lecture:** 0, **Lab:** 6

The student will spend at least 150 clock hours working in an approved agency or institution under the clinical supervision of a staff member of the agency or institution who is a certified/licensed psychologist. (Prerequisite: Completion of at least thirty [30] hours of approved graduate work and consent of the cooperating agency. This course may be repeated one time for credit.)

College/School: Liberal Arts & Behavioral Scie**Department:** Department of Psychology**PSY 736 Practicum (3 Credits)****Lecture:** 0, **Lab:** 6

The second of three practicums where the student must spend at least 150 clock hours working in an approved agency or institution under the supervision of a staff member of the agency or institution who is a certified/licensed psychologist. (Prerequisite: Completion of at least thirty [30] hours of approved graduate work and consent of the cooperating agency. This course may be repeated one time for credit.)

College/School: Liberal Arts & Behavioral Scie**Department:** Department of Psychology**PSY 737 Practicum (3 Credits)****Lecture:** 0, **Lab:** 6

The third of three practicums where the student must spend at least 150 clock hours working in an approved agency or institution under the supervision of a staff member of the agency or institution who is a certified/licensed psychologist. (Prerequisite: Completion of at least thirty [30] hours of approved graduate work and consent of the cooperating agency. This course may be repeated one time for credit.)

College/School: Liberal Arts & Behavioral Scie**Department:** Department of Psychology

PSY 739 Psychopathology (3 Credits)**Lecture:** 3, **Lab:** 0

A broad introduction to psychopathology. Students will be introduced to the process of diagnosing abnormal or maladaptive behaviors. Students will also cover the classification system of the most up-to-date DSM. 3 credit hours.

College/School: Liberal Arts & Behavioral Science**Department:** Department of Psychology**PSY 832 Masters Res & Thesis I (3 Credits)****Lecture:** 0, **Lab:** 6

Directed investigation of special problems in psychology.

College/School: Liberal Arts & Behavioral Science**Department:** Department of Psychology**PSY 833 Masters Res & Thesis II (3 Credits)****Lecture:** 0, **Lab:** 6

Directed investigation of special problems in psychology.

College/School: Liberal Arts & Behavioral Science**Department:** Department of Psychology**PSY 834 Consultation and Program Design in School Psychology (3 Credits)****Lecture:** 3

This acquisition of psychological consultation principles such as program design and evaluation and other skills, appropriate for the work of a school psychologist. 3 credit hours.

College/School: Liberal Arts & Behavioral Science**Department:** Department of Psychology**PSY 899 School Psychology (3 Credits)****Lecture:** 0, **Lab:** 4

Direct experience in assessment, intervention, behavior management, and consultation within the schools. The intern must be supervised by a Licensed Psychologist and have at least two hours of face-to-face contact with the supervisor each week. 3 credit hours.

College/School: Liberal Arts & Behavioral Science**Department:** Department of Psychology

Psychology (Clinical Community Concentration), Master of Arts

The **Clinical-Community Psychology** concentration is designed for the development of students who wish to study the empirical and theoretical foundations of psychology with application to a variety of urban settings broadly conceived to include community, clinical, and educational institutions. Through a combination of coursework and field experiences, the student is prepared to qualify for positions in mental health and social services agencies, junior and community colleges, or similar functions in business and industry. Alternately, the student may pursue a plan designed to develop research competencies which can be applied toward the investigation of problems of a psychological nature, especially those related to the improvement of life in the urban community.

The Clinical-Community Psychology concentration requires 60 semester credit hours in addition to any undergraduate prerequisites needed. The first year is devoted mainly to preparation in basic foundation areas such as ethics and counseling theory, as well as laboratory work in assessment methods and counseling techniques. During the second year, the concentration includes a combination of academic work and supervised practice (a minimum of 450 clock hours) in an approved agency or institution. Upon completion of the concentration and an acceptable score on the Examination for Professional Practice in

Psychology, students are eligible to apply for licensure as a Licensed Psychological Associate (LPA) from the Texas Behavioral Health Executive Council (BHEC) or from boards in other states which have similar requirements.

Admission to the graduate program in the Department of Psychology is competitive. A student may be admitted to the graduate program if, in the judgment of the faculty, his or her qualifications indicate a strong likelihood of successful completion of the graduate program. It should be noted that not all qualified students can be admitted. Non-psychology majors or minors may be required to take undergraduate prerequisites before being considered for admission to the program. The department considers the entire packet of information in the application for admission. Students are selected on the basis of their total record of academic achievement, letters of recommendation, and relevant experience.

Specific requirements are:

1. A minimum overall GPA of 2.75
2. A minimum GPA of 2.75 in psychology coursework
3. Application, vitae/resume, all college transcripts
4. Personal statement
5. Letters of recommendation (3)
6. Application processing fee \$50.00 Resident \$75.00 International
7. A minimum of twelve (12) semester credit hours of undergraduate psychology.
8. If international, a TOEFL score of at least 550 on the paper based test or 213 on the computer based test or 79 on the internet based test is required, an official IELTS score can be submitted in lieu of TOEFL in which case a minimum overall band score of 6.0 is required.

Code	Title	Hours
Core Courses (p. 69)		45
Concentration Requirements (p. 70)		15
Total Hours		60

CORE Courses¹

Code	Title	Hours
PSY 533	Survey Psy Statistics	3
PSY 539	Human Growth and Development	3
PSY 540	Consultation	3
PSY 541	Psychological Assessment I	3
PSY 542	Learning and Behavior Management	3
PSY 631	Research Design	3
PSY 632	Theories of Counseling and Psychological Interventions	3
PSY 635	Psychological Counseling, Interviewing, and Report Writing	3
PSY 640	Professional Orientation in the Field of Psychology	3
PSY 641	Social, Cultural, and Systemic Bases of Behavior	3
PSY 643	Psychological Assessment II	3
PSY 730	Eth & Legal Issues in Mental Health	3
PSY 733	Physiological Psychology	3
PSY 735	Practicum	3

PSY 739	Psychopathology	3
Total Hours		45

Concentration Requirements

Code	Title	Hours
PSY 538	Group Therapy	3
PSY 636	Cognitive Behavior Therapy	3
PSY 736	Practicum	3
PSY 737	Practicum	3
Select one of the following		3
PSY 638	Career Development	
PSY 642	African American Psychology	
COUN 841	Family Counseling	
COUN 852	Addictions Counseling	
Total Hours		15

1

Please note that ENG 501 is required if the GRE Analytical Writing score is less than 3.5

The Comprehensive Exam is taken in the 3rd year.

Course	Title	Hours
First Year		
First Semester		
PSY 539	Human Growth and Development	3
PSY 632	Theories of Counseling and Psychological Interventions	3
PSY 730	Eth & Legal Issues in Men Hlth	3
PSY 739	Psychopathology	3
Hours		12
Second Semester		
PSY 533	Survey Psy Statistics	3
PSY 540	Consultation	3
PSY 541	Psychological Assessment I	3
PSY 635	Psychological Counseling, Interviewing, and Report Writing	3
Hours		12
Second Year		
First Semester		
PSY 542	Learning and Behavior Management	3
PSY 641	Social, Cultural, and Systemic Bases of Behavior	3
PSY 643	Psychological Assessment II	3
PSY 735	Practicum	3
Hours		12
Second Semester		
PSY 631	Research Design	3
PSY 636	Cognitive Behavior Therapy	3
PSY 736	Practicum	3
Select one of the following		3
PSY 638	Career Development	
PSY 642	African American Psychology	
COUN 841	Family Counseling	

COUN 852	Addictions Counseling	
Hours		12

Third Year

First Semester

PSY 538	Group Therapy	3
PSY 640	Professional Orientation in the Field of Psychology	3
PSY 733	Physiological Psychology	3
PSY 737	Practicum	3

*Comprehensive Exam is taken in 3rd year

Hours		12
Total Hours		60

Psychology (School Psychology Concentration), Master of Arts

The **School Psychology** concentration is designed for students interested in providing mental health services in school settings. This concentration requires sixty (60) semester credit hours. The first year is devoted to preparation in the foundations of psychology, including ethics, counseling theory, and the assessment and diagnosis of learning, emotional and behavioral problems. The second year includes training in counseling, consultation, intervention strategies, and a supervised practicum (150 clock hours). The third year consists of an internship of no fewer than 1,200 clock hours, 600 of which must be completed in a public school. Upon completion of this concentration and an acceptable score on the National School Psychology Examination, students are eligible to apply for licensure as a Licensed Specialist in School Psychology (LSSP) from the Texas Behavioral Health Executive Council (BHEC) or from boards in other states which have similar requirements.

Admission to the graduate program in the Department of Psychology is competitive. A student may be admitted to the graduate program if, in the judgment of the faculty, his or her qualifications indicate a strong likelihood of successful completion of the graduate program. It should be noted that not all qualified students can be admitted. Non-psychology majors or minors may be required to take undergraduate prerequisites before being considered for admission to the program. The department considers the entire packet of information in the application for admission. Students are selected on the basis of their total record of academic achievement, letters of recommendation, and relevant experience.

Specific requirements are:

1. A minimum overall GPA of 2.75
2. A minimum GPA of 2.75 in psychology coursework
3. Application, vitae/resume, all college transcripts
4. Personal statement
5. Letters of recommendation (3)
6. Application processing fee \$50.00 Resident \$75.00 International
7. A minimum of twelve (12) semester credit hours of undergraduate psychology.
8. If international, a TOEFL score of at least 550 on the paper based test or 213 on the computer based test or 79 on the internet based test is required, an official IELTS score can be submitted in lieu of TOEFL in which case a minimum overall band score of 6.0 is required.

Code	Title	Hours
Core Courses (p.)		45
Concentration Requirements (p.)		15
Total Hours		60

Core Curriculum Requirements ¹

Code	Title	Hours
PSY 533	Survey Psy Statistics	3
PSY 539	Human Growth and Development	3
PSY 540	Consultation	3
PSY 541	Psychological Assessment I	3
PSY 542	Learning and Behavior Management	3
PSY 631	Research Design	3
PSY 632	Theories of Counseling and Psychological Interventions	3
PSY 635	Psychological Counseling, Interviewing, and Report Writing	3
PSY 640	Professional Orientation in the Field of Psychology	3
PSY 641	Social, Cultural, and Systemic Bases of Behavior	3
PSY 643	Psychological Assessment II	3
PSY 730	Eth & Legal Issues in Men Hlth	3
PSY 733	Physiological Psychology	3
PSY 735	Practicum	3
PSY 739	Psychopathology	3
Total Hours		45

CONCENTRATION REQUIREMENTS

Code	Title	Hours
PSY 899	School Psychology Internship	6
EDCI 531	Classroom Management	3
Select two of the following		6
EDCI 520	Curr Dev Early Childhood Ed	
EDCI 540	Curriculum & Instruction	
SPED 556	Psycho-Ed Intervention	
Total Hours		15

¹

Please note that ENG 501 is required if GRE Analytical Writing score is less than 3.5.

Comprehensive Exam is taken in the 3rd year.

Course	Title	Hours
First Year		
First Semester		
PSY 539	Human Growth and Development	3
PSY 632	Theories of Counseling and Psychological Interventions	3
PSY 730	Eth & Legal Issues in Men Hlth	3
PSY 739	Psychopathology	3
Hours		12
Second Semester		
PSY 533	Survey Psy Statistics	3
PSY 540	Consultation	3
PSY 541	Psychological Assessment I	3

PSY 635	Psychological Counseling, Interviewing, and Report Writing	3
Hours		12

Second Year

First Semester

PSY 542	Learning and Behavior Management	3
PSY 641	Social, Cultural, and Systemic Bases of Behavior	3
PSY 643	Psychological Assessment II	3
PSY 731	Role of School Psychologist	3
Hours		12

Second Semester

PSY 631	Research Design	3
PSY 735	Practicum	3
EDCI 531	Classroom Management	3
Select one from the three elective options below: ¹		3
Hours		12

Third Year

First Semester

PSY 733	Physiological Psychology	3
PSY 899	School Psychology	3
Select one from the three elective options below: ¹		3
Hours		9

Second Semester

PSY 899	School Psychology Internship	3
*Comprehensive Exam is taken in 3rd year		
Hours		3
Total Hours		60

¹

Elective options include: EDCI 520 Curr Dev Early Childhood Ed, EDCI 540 Curriculum & Instruction, or SPED 556 Psycho-Ed Intervention.

Department of Sociology

The **Department of Sociology** at Texas Southern University offers the Master of Arts degree with an emphasis on urban/applied sociology. Consistent with the University's focus on "urban programming" the Master of Arts Degree in Sociology emphasizes research into the complex social problems experienced by diverse urban populations, public responses to these problems in America and elsewhere, and the practical application of data in ameliorating or improving the condition of urban populations. Although students are trained with an emphasis on sociological theory and methods, this program intensely addresses substantive topics such as social stratification in education, employment and health as well as poverty, discrimination, and the role of media in these conversations. In addition to coursework in urban/applied, optional coursework is offered which emphasizes the training of students who will apply their sociological skills in nonacademic professions on the local, state, and national levels. Ultimately, the Master of Arts Degree in Sociology at Texas Southern University emphasizes research in urban environments which produce data to be used in understanding and addressing the living condition of varied urban populations. Toward that end, this program seeks to accomplish the following objectives:

1. Prepare graduates for successful transition into doctoral programs.
2. Prepare graduates for careers in applied sociology professions.

3. Provide graduates with the requisite skills for conducting sociological research in urban areas.

Degree Requirements

1. **Thesis option:** Completion of thirty-six (36) semester hours of graduate work, which includes twelve (12) semester credit hours of required courses, with a grade point average of at least 3.0; eighteen (18) semester credit hours of electives, with a grade point average of at least 3.0; successful completion of six (6) thesis hours; the successful completion of a written comprehensive examination; and the successful defense of a thesis.
 2. **Non-thesis Option:** Completion of thirty-six (36) semester credit hours of graduate work, which includes twelve (12) semester credit hours of required courses with a grade point average of at least 3.0; eighteen (18) semester credit hours of electives, with a grade point average of at least 3.0; successful completion of six (6) internship hours; and successful completion of a written comprehensive examination.
- Sociology (Non-Thesis Option), Master of Arts (p. 73)
 - Sociology (Thesis Option), Master of Arts (p. 74)

SOC 525 Fundamentals of Sociology (3 Credits)

Lecture: 3, **Lab:** 0

FUNDAMENTALS OF SOCIOLOGY (3) Introduction to central concepts, methods, and professional practices in sociology; development of basic skills used in theoretical and empirical work; and orientation to the discipline and this Department of Sociology.

College/School: Liberal Arts & Behavioral Scie

Department: Dept of Sociology

SOC 530 Topical Seminar (3 Credits)

Lecture: 3, **Lab:** 0

TOPICAL SEMINAR (3) An analysis of contemporary sociological issues affecting individuals and groups in a rapidly changing society.

College/School: Liberal Arts & Behavioral Scie

Department: Dept of Sociology

SOC 532 Sociology Of Religion (3 Credits)

Lecture: 3, **Lab:** 0

SOCIOLOGY OF RELIGION (3) Examination of social dimensions of religion, the relationship between religion and society, sociological theories of religion, religious organizations and behavior, religion and social change, secularization and the future of religion.

College/School: Liberal Arts & Behavioral Scie

Department: Dept of Sociology

SOC 539 Seminar in Urban Sociology (3 Credits)

Lecture: 3, **Lab:** 0

SEMINAR IN URBAN SOCIOLOGY (3) Social and demographic characterization and organization of urban communities with emphasis on techniques of identifying structures, institutions, systems and leadership.

College/School: Liberal Arts & Behavioral Scie

Department: Dept of Sociology

SOC 545 Sociology of Family (3 Credits)

Lecture: 3, **Lab:** 0

SOCIOLOGY OF THE FAMILY (3) Key concepts and processes of family sociology with application to sexuality, partner selection, transition to parenthood, parenting and children, housework and paid work, domestic violence and child abuse, divorce and marriage, grandparenting, care giving, and alternative families.

College/School: Liberal Arts & Behavioral Scie

Department: Dept of Sociology

SOC 554 Advanced Sociological Statist (3 Credits)

Lecture: 3, **Lab:** 0

ADVANCED SOCIOLOGICAL STATISTICS (3) Advanced statistical methods with emphasis on multiple regression techniques.

College/School: Liberal Arts & Behavioral Scie

Department: Dept of Sociology

SOC 557 Advanced Sociological Theory (3 Credits)

Lecture: 3, **Lab:** 0

ADVANCED SOCIOLOGICAL THEORY (3) Examination of the major theoretical orientations in sociology, with special attention given to the early history of conflict theory, functionalism, and symbolic interaction.

College/School: Liberal Arts & Behavioral Scie

Department: Dept of Sociology

SOC 559 Urban Research Methods (3 Credits)

Lecture: 3, **Lab:** 0

URBAN RESEARCH METHODS (3) Examination of urban indicators, research design, and field problems in urban research.

College/School: Liberal Arts & Behavioral Scie

Department: Dept of Sociology

SOC 623 Seminar In Social Psychology (3 Credits)

Lecture: 3, **Lab:** 0

SEMINAR IN SOCIAL PSYCHOLOGY (3) Examination of selected social psychological theories and their current role and status.

College/School: Liberal Arts & Behavioral Scie

Department: Dept of Sociology

SOC 634 Crim Jus & Urban Comm (3 Credits)

Lecture: 3, **Lab:** 0

CRIMINAL JUSTICE AND THE URBAN COMMUNITY (3) Critical analysis of the subsystems of the criminal justice system and their impact on the urban community.

College/School: Liberal Arts & Behavioral Scie

Department: Dept of Sociology

SOC 639 Seminar In Urban Pol Sociology (3 Credits)

Lecture: 3, **Lab:** 0

SEMINAR IN URBAN POLITICAL SOCIOLOGY (3) The application of sociological theory and analysis to political processes and systems in urban settings.

College/School: Liberal Arts & Behavioral Scie

Department: Dept of Sociology

SOC 655 Internship (3 Credits)

Lecture: 0, **Lab:** 0

SOC 655A INTERNSHIP (3) Supervised work and instruction in formal organizations relevant to the student's area of specialization. Must take parts A and B for credit. SOC 655B INTERNSHIP (3) Supervised work and instruction in formal organizations relevant to the student's area of specialization. Must complete parts A and B for credit

College/School: Liberal Arts & Behavioral Scie

Department: Dept of Sociology

SOC 710 Seminar in Soc Stratification (3 Credits)

Lecture: 3

SEMINAR IN SOCIAL STRATIFICATION (3) Theoretical analysis of how social class, status, and power shape social relations, determine life chances, and affect attitudes, opinions, and political choices of individuals and groups, all of which perpetuate systems of class, gender, and race inequality, and degree of social mobility in societies.

College/School: Liberal Arts & Behavioral Scie

Department: Dept of Sociology

SOC 715 Sociology of Learning (3 Credits)

Lecture: 3, **Lab:** 0

SOCIOLOGY OF LEARNING (3) Examination of schools and classrooms as social environments and sociocultural principles for desired teaching strategies and learning.

College/School: Liberal Arts & Behavioral Scie

Department: Dept of Sociology

SOC 720 Sem In Clinical Soc (3 Credits)

Lecture: 3, **Lab:** 0

SEMINAR IN CLINICAL SOCIOLOGY (3) Presentation and analysis of the creation of sociological knowledge and the clinical application of that knowledge to various settings of group life.

College/School: Liberal Arts & Behavioral Scie

Department: Dept of Sociology

SOC 739 Sem in Public and Soc Policy (3 Credits)

Lecture: 3

SEMINAR IN PUBLIC AND SOCIAL POLICY (3) Policy analysis, design and implementation issues related.

College/School: Liberal Arts & Behavioral Scie

Department: Dept of Sociology

SOC 750 Race and Ethnicity (3 Credits)

Lecture: 3, **Lab:** 0

RACE and ETHNICITY (3) Analysis of social factors affecting racial and ethnic groups.

College/School: Liberal Arts & Behavioral Scie

Department: Dept of Sociology

SOC 840 Seminar in Gerontology (3 Credits)

Lecture: 3

SEMINAR IN GERONTOLOGY (3) Examination of sociological theories and analyses relevant to various socio-cultural components of aging.

College/School: Liberal Arts & Behavioral Scie

Department: Dept of Sociology

SOC 857 Advanced Sociological Theory (3 Credits)

Lecture: 3, **Lab:** 0

ADVANCED SOCIOLOGICAL THEORY (3) Advanced analysis of recent developments in sociological theory, including the relationship of theory to empirical research.

College/School: Liberal Arts & Behavioral Scie

Department: Dept of Sociology

SOC 859 Advance Project Design (3 Credits)

Lecture: 3, **Lab:** 0

ADVANCED PROJECT DESIGN (3) Research and project problem definition, research and project design.

College/School: Liberal Arts & Behavioral Scie

Department: Dept of Sociology

SOC 880 Sociology of Hlth and Medicine (3 Credits)

Lecture: 3, **Lab:** 0

SOCIOLOGY OF HEALTH AND MEDICINE (3) The analysis of present and emerging sociological conceptualizations designed to understand the development, functions, organization and processes involved in contemporary systems of health and medicine.

College/School: Liberal Arts & Behavioral Scie

Department: Dept of Sociology

SOC 899 Thesis (3 Credits)

Lecture: 3, **Lab:** 3

THESIS (3) Project development, data collection and analysis.

College/School: Liberal Arts & Behavioral Scie

Department: Dept of Sociology

Sociology (Non-Thesis Option), Master of Arts

Admission Criteria

In addition to the general requirements for admission to the Graduate School (see the *General Information section of this catalog*), applicants for admission to the Master of Arts program in sociology are expected to have completed an undergraduate major or minor in sociology or a related discipline. Students who do not meet these criteria may be required to enroll in undergraduate sociology courses before being fully admitted into the program. All application materials should be submitted to the **Texas Southern University Graduate School, not to the Department of Sociology**. The Department of Sociology Graduate Program Committee will review all applications and make recommendations to the Dean of the Graduate School.

Curriculum Summary

Code	Title	Hours
Core Curriculum (Non-Thesis) (p. 73)		18
Electives (p. 73)		18
Total Hours		36

Core Curriculum Requirements (Non-Thesis)

Code	Title	Hours
SOC 525	Fundamentals of Sociology ¹	3
SOC 554	Advanced Sociological Statist	3
SOC 557	Advanced Sociological Theory	3
SOC 559	Urban Research Methods	3
SOC 655	Internship (A&B)	6
Total Hours		18

¹

SOC 525 Fundamentals of Sociology—is required for students who do not have an undergraduate major or minor in sociology and may be taken by other students as an elective.

Elective Requirements

Code	Title	Hours
Select six courses from the following:		18
SOC 530	Topical Seminar	
SOC 532	Sociology Of Religion	

SOC 539	Seminar in Urban Sociology	
SOC 545	Sociology of Family	
SOC 623	Seminar In Social Psychology	
SOC 632		
SOC 634	Crim Jus & Urban Comm	
SOC 639	Seminar In Urban Pol Sociology	
SOC 710	Seminar in Soc Stratification	
SOC 715	Sociology of Learning	
SOC 720	Sem In Clinical Soc	
SOC 739	Sem in Public and Soc Policy	
SOC 750	Race and Ethnicity	
SOC 820		
SOC 840	Seminar in Gerontology	
SOC 857	Advanced Sociological Theory	
SOC 859	Advance Project Design	
SOC 880	Sociology of Hlth and Medicine	
SOC 893		
SOC 896		
Total Hours		18

Sociology (Thesis Option), Master of Arts

Admission Criteria

In addition to the general requirements for admission to the Graduate School (see the *General Information section of this catalog*), applicants for admission to the Master of Arts program in sociology are expected to have completed an undergraduate major or minor in sociology or a related discipline. Students who do not meet these criteria may be required to enroll in undergraduate sociology courses before being fully admitted into the program. All application materials should be submitted to the **Texas Southern University Graduate School, not to the Department of Sociology**. The Department of Sociology Graduate Program Committee will review all applications and make recommendations to the Dean of the Graduate School.

Curriculum Summary

Code	Title	Hours
	Core Curriculum (Thesis) (p. 74)	18
	Electives (p. 74)	18
Total Hours		36

Core Curriculum Requirements (Thesis)

Code	Title	Hours
SOC 525	Fundamentals of Sociology ¹	3
SOC 554	Advanced Sociological Statist	3
SOC 557	Advanced Sociological Theory	3
SOC 559	Urban Research Methods	3
SOC 899	Thesis (A&B) ²	6
Total Hours		18

1

SOC 525 Fundamentals of Sociology—is required for students who do not have an undergraduate major or minor in sociology and may be taken by other students as an elective.

2

Thesis research courses receive grades of satisfactory or unsatisfactory only. Grades are assigned only after the defense of the thesis. A successful defense and submission of the thesis requires the supervising member of the faculty to assign a satisfactory grade for the appropriate research course.

Elective Requirements

Code	Title	Hours
Select six courses from the following:		18
SOC 530	Topical Seminar	
SOC 532	Sociology Of Religion	
SOC 539	Seminar in Urban Sociology	
SOC 545	Sociology of Family	
SOC 623	Seminar In Social Psychology	
SOC 632		
SOC 634	Crim Jus & Urban Comm	
SOC 639	Seminar In Urban Pol Sociology	
SOC 710	Seminar in Soc Stratification	
SOC 715	Sociology of Learning	
SOC 720	Sem In Clinical Soc	
SOC 739	Sem in Public and Soc Policy	
SOC 750	Race and Ethnicity	
SOC 820		
SOC 840	Seminar in Gerontology	
SOC 857	Advanced Sociological Theory	
SOC 859	Advance Project Design	
SOC 880	Sociology of Hlth and Medicine	
SOC 893		
SOC 896		
Total Hours		18

College of Education

The mission of the College of Education is to provide competent professionals for effective service in urban schools, agencies and other entities using research and collaboration in seeking solutions to teaching, learning, and behavioral challenges facing urban schools, agencies and other entities using research and collaboration in seeking solutions to teaching, learning, and behavioral challenges facing urban populations. The College of Education is committed to preparing candidates to become effective professionals who will be caring, competent, committed, and culturally responsive, with a focus on the preparation of educators for urban school settings.

The **College of Education** offers:

- the Master of Education (M.Ed.),
- the Master of Science (M.S.),
- the Doctor of Education (Ed.D.) degrees,

- the Executive Doctoral Certificate in Athletic Administration, and
- the Executive Doctoral Certificate in Sport Leadership.

The Master of Education is offered in the Departments of:

- Counseling,
- Curriculum and Instruction, and
- Educational Administration and Foundations.

The Master of Science degree and the Executive Doctoral Certificate is offered in the Department of:

- Health, Kinesiology and Sport Studies.

The Doctor of Education degree (Ed.D.) is offered through:

- the Department of Counseling,
- the Department of Curriculum and Instruction, and
- the Department of Educational Administration and Foundations.

Master's Degree Programs

Master of Education in Counseling

The program of study leading to the Master of Education in Counseling is designed to prepare prospective counselors with the tools and techniques essential for an understanding of the individual's educational, vocational, health, and social problems. The degree requires sixty (60) semester hours for clinical mental health counseling, sixty (60) semester hours for rehabilitation counseling and sixty (60) semester hours for school counseling; which includes a practicum in a school and/or social agency setting.

Master of Education in Curriculum and Instruction

The Master of Education in Curriculum and Instruction is designed to strengthen professional competence of what and how to teach for both certified and non-certified candidates. The Department of Curriculum and Instruction offers six (6) different concentrations:

- Early Childhood Education,
- Bilingual Education,
- Instructional Technology,
- Reading Education,
- Special Education and
- Secondary Education.

The choice of specialization at the secondary level (8-12) is limited to subjects taught in secondary schools (English, Mathematics, Science, etc.). The program consists of 36 semester credit hours. The M.Ed. is a non-thesis program.

Master of Education in Educational Administration

The Master of Education in Educational Administration is designed to prepare individuals for the role of principal and other administrative positions. The program focuses on helping potential administrators become more humanistic in their approach to the solution of problems.

Special attention is given to the decision-making process and to stressing the worth of the individuals who make up student groups, teaching staffs and the school community. The traditional M.Ed. in Educational Administration program consists of 36 semester credit hours. However, the M.Ed. in Educational Administration with Principal

Certification consists of 42 semester credit hours. The M.Ed. is a non-thesis program.

Master of Science in Health and Kinesiology

The Master of Science in Health and Kinesiology is to prepare students for the fields of Health, Physical Education, and Sport through integrating theoretical and applied practice to promote active learning and career preparation. The program consists of 36 semester credit hours. The M.S. in Health and Kinesiology is a non-thesis program.

MASTER OF SCIENCE IN SPORT STUDIES AND SPORT LEADERSHIP

The Master of Science in Sport Studies and Sport Leadership is to prepare students for the fields of Athletics and Sport through integrating theoretical and applied practice to promote active learning and career preparation. The program consists of 36 semester credit hours. The M.S. in Sport Studies and Sport Leadership offers both a thesis and a non-thesis option.

DOCTOR OF EDUCATION DEGREE PROGRAMS

DOCTOR OF EDUCATION IN COUNSELING

The program of study leading to the Doctor of Education in Counseling is designed to prepare prospective counselors with the tools and techniques essential for an understanding of the individual's educational, vocational, health, and social problems. The degree requires sixty (60) semester hours; which includes a dissertation.

DOCTOR OF EDUCATION IN CURRICULUM AND INSTRUCTION

The Doctor of Education in Curriculum and Instruction is designed to strengthen professional competence of what and how to teach for both certified and non-certified candidates. The Department of Curriculum and Instruction offers four (4) different concentrations:

- Curriculum Studies,
- Reading Education,
- Special Education and
- Sport Education (In collaboration with the Department of Health, Kinesiology and Sport Studies).

The program consists of 60 semester credit hours. The Doctor of Education requires a dissertation.

DOCTOR OF EDUCATION IN EDUCATIONAL ADMINISTRATION

The Doctor of Education in Educational Administration is designed to prepare individuals for the role of principal and other administrative positions. The program focuses on helping potential administrators become more humanistic in their approach to the solution of problems.

Special attention is given to the decision-making process and to stressing the worth of the individuals who make up student groups, teaching staffs and the school community. The traditional Doctor of Education in Educational Administration program consists of 60 semester credit hours. The Doctor of Education requires a dissertation.

Criteria for Admission

For admission to the Graduate School as a degree applicant, all of the following conditions must be met:

1. Undergraduate GPA of 2.5 or better; or 3.0 on last 60 hours
2. If required by the graduate degree program, GRE (General) or GMAT for Business programs (must be within five (5) years of your application date).
3. 3 letters of recommendation
4. Resume or Curriculum Vitae (current)
5. Personal Essay (300 – 500 words)
6. Application fee (\$75): Your application will not be processed until the fee is received.
7. Transcript (s): 2 copies sent directly to TSU from the institutions.

In addition to Items 1 through 7, International Students need to also supply the following information:

1. Affidavit of Support
2. Transcript Evaluation
3. TOEFL = 79 or IELTS (iBT) = 6.0 (if not from an English speaking country)

Successful applications who do not score 3.5 on the analytical writing portion of the GRE or GMAT will be required to demonstrate English proficiency by successfully completing the course English 501 Graduate Professional Writing.

Transcripts, payment if not paying online, and test scores should be mailed to:

The Graduate School
Texas Southern University
TSU Box #1254
3100 Cleburne
Houston, TX 77004

Additional documents can also be emailed to our graduate admissions email address at: graduateadmissions@tsu.edu. Please be sure to mail the application fee of \$50 (\$75 for international applicants), check or money order payable to Texas Southern University, to the address above. No applications will be processed without payment of the application fee.

***English Proficiency Requirement:** Each graduate student who is admitted as a degree or certificate applicant must have an Analytical Writing score of 3.5 or above on GRE or GMAT exam. If the student does not score that high or does not take the exam during the first semester of enrollment, he or she must enroll in English 501.

Applications for admission to all graduate degree programs of the University are processed through the Graduate School of the University. All applications for admission to a major program are reviewed by a designated representative of the academic department and recommendations are submitted to the Dean of the Graduate School. Persons interested in applying for admission to the Graduate School should write directly to the office of the Graduate School.

Types of Admission

Unconditional - An applicant who is unconditionally admitted to the Graduate School is immediately eligible to pursue a program of study leading to the Master's degree or the Professional Certificate. Each

applicant should choose a concentration as subfield of study and work out a degree plan in consultation with his advisor.

Transient Students - Students who are enrolled in the graduate school of another university may take up to six (6) graduate credit hours at Texas Southern University upon the recommendation of an appropriate official of the student's home institution.

Criteria for Admission to the College of Education

Applicants for admission to the College of Education as a degree applicant, must meet all of the above conditions. Successful applicants who do not score 3.5 on the analytical writing portion of the GRE will be required to demonstrate English proficiency by successfully completing the course English 501 Graduate Professional Writing.

Note: Dissertation or thesis research courses receive grades of satisfactory or unsatisfactory (no other letter grades will be awarded for these courses/credit-hours).

A

- Athletic Administration, Executive Doctoral Certificate (Online) (p. 128)

C

- Counseling (Clinical Mental Health Counseling Concentration), Master of Education (p. 82)
- Counseling (Rehabilitation Counseling Concentration), Master of Education (p. 83)
- Counseling (School Counseling Concentration), Master of Education (p. 84)
- Counseling, Doctor of Education (p. 84)
- Curriculum and Instruction (Bilingual Education Concentration), Master of Education (p. 93)
- Curriculum and Instruction (Early Childhood Education Concentration), Master of Education (p. 93)
- Curriculum and Instruction (Instructional Technology Concentration), Master of Education (p. 94)
- Curriculum and Instruction (Reading Education Concentration), Master of Education (p. 94)
- Curriculum and Instruction (Secondary _____ Concentration), Master of Education (p. 94)
- Curriculum and Instruction (Special Education Concentration), Master of Education (p. 95)
- Curriculum and Instruction (Sports Studies Concentration), Doctor of Education (p. 95)
- Curriculum and Instruction, Doctor of Education (p. 95)

E

- Educational Administration (Community College Leadership Concentration), Doctor of Education (p. 103)
- Educational Administration (Higher Education Administration Concentration), Doctor of Education (p. 105)
- Educational Administration (Human Resources and Higher Education Concentration), Master of Education (p. 108)
- Educational Administration with no Certification, Master of Education (p. 108)

- Educational Administration with Principal Certification, Master of Education (p. 109)
- Educational Administration, Doctor of Education (p. 110)

H

- Health & Kinesiology (Health Education Concentration), Master of Science (p. 123)
- Health & Kinesiology (Kinesiology Concentration), Master of Science (p. 124)

P

- Professional Principal Certification (p. 112)

S

- Sport Leadership, Executive Doctoral Certificate (Online) (p. 128)
- Sport Studies and Sport Leadership (Sport Administration Concentration Non-Thesis), Master of Science (p. 124)
- Sport Studies and Sport Leadership (Sport Administration Concentration Thesis Option), Master of Science (p. 125)
- Sport Studies and Sport Leadership (Sport Management Concentration Non-Thesis), Master of Science (p. 126)
- Sport Studies and Sport Leadership (Sport Management Concentration Thesis Option), Master of Science (p. 127)
- Sport Studies Doctoral Minor (p. 128)
- Superintendent Certification (p. 114)

Department of Counseling

The Mission of the Department of Counseling is to prepare counselors who value equity and equality, to meet the demands of a culturally and linguistically diverse clientele through a special emphasis on knowledge bases and internships in an urban setting. The Counseling program will prepare counselors to fulfill the following roles:

- Serve as advocates, leaders, counselors, and consultants to increase the options of clients they serve;
- Become managers of resources and partnership builders, enlisting the support of stakeholders in the local, national and international communities;
- Develop in students a commitment to achieve and provide conditions that enable clients to accomplish their goals; Serve as problem solvers for clients living in an urban environment in particular, as well as those attempting to cope with societal demands in non-urban settings; and
- Develop professionals capable of conducting research germane to urban challenges.

The Department of Counseling offers three programs leading to professional certification: Clinical Mental Health Counseling, Rehabilitation Counseling and School Counseling.

The **Clinical Mental Health Counseling Concentration** prepares candidates to become counselors in community agencies and other private sectors. In addition to completing core counseling courses, candidates are required to complete courses specific to Clinical Mental Health Counseling. This concentration meets the requirements for Licensure as a Professional Counselor in Texas, as well as the requirements for the National Board for Certified Counselors.

The **Rehabilitation Counseling Concentration** prepares candidates to become Rehabilitation Counselors in either the public state agency or to provide services in the private sector. Once candidates complete core counseling courses, each is required to complete the appropriate courses relevant to Rehabilitation Counseling. The Rehabilitation Counseling concentration will allow candidates to qualify to take the Certified Rehabilitation Counseling examination.

The **School Counseling Concentration** prepares candidates to become PreK-12 School Counselors. Candidates become familiar with the design and implementation of the comprehensive developmental guidance and counseling model. In addition to core counseling courses, candidates take courses specific to School Counseling. The School Counseling concentration meets the requirements for the Texas School Counselor Certification.

Degree Requirements

1. Secure departmental recommendation for candidacy status for the Master's degree in Counseling.
2. A student in the Counseling program who fails to maintain a "B" or better grade point average (GPA) in COUN 593, COUN733, COUN843 and COUN833 (for Clinical Mental Health) or COUN878 (for Rehabilitation) or COUN539 (for School Counseling), (the first 12 hours in the program), will be placed on academic probation that includes an approved Remediation Plan if the grade point average is 2.5 or better. If a student has a grade point average below 2.5, he or she is subject to dismissal from the Counseling Program. The student, faculty advisor and dean will sign the Remediation Plan specifying specific actions and date of completion. If the Remediation Plan is not completed, the student is subject to dismissal from the program. Pass the Interpersonal Skills Evaluation.
3. Complete 600 hours of internship in a setting appropriate to area of specialization or counseling concentration.
4. Take and pass the College of Education Comprehensive Examination for the master's degree. A master's degree student may be allowed three attempts to pass the comprehensive examination. A student who fails the comprehensive examination the second time may petition for a third examination and the petition must show a plan of action wherein the petitioner will endeavor to improve his/her chances for satisfactorily passing the examination. The academic advisor, department chairperson and the Dean of the College of Education and the Dean of the Graduate School must approve the petition. A student who fails to pass the master's comprehensive examination after the third attempt will be automatically discontinued as a student in the relevant master's program.
5. Complete the semester hour requirements specified for the designated course of study.

Approved Electives

Code	Title	Hours
COUN 810	Coun Children & Adolescents	3
COUN 817	Special Topics	3
COUN 821	Counseling Supervision	3
COUN 836	Mental Health & Psychopath	3
COUN 838	Counseling Capstone	3
COUN 841	Family Counseling	3
COUN 843	Play Therapy	3
COUN 847	Consultation Theory & Practice	3

- Counseling (Clinical Mental Health Counseling Concentration), Master of Education (p. 82)
- Counseling (Rehabilitation Counseling Concentration), Master of Education (p. 83)
- Counseling (School Counseling Concentration), Master of Education (p. 84)
- Counseling, Doctor of Education (p. 84)

COUN 539 School Counseling (3 Credits)**Lecture:** 3, **Lab:** 0

SCHOOL COUNSELING (3) A course designed to provide students with and understanding of the developmental guidance program as well as the role of the school counselor. (No prerequisites)

College/School: College Of Education**Department:** Dept of Counseling**COUN 593 Human Growth and Development (3 Credits)****Lecture:** 3

HUMAN GROWTH AND DEVELOPMENT (3) A study of the genesis and transformation of psychological functions with particular reference to the acquisition of motor skills, language, attitudes, values, and group identification through the life span. (No prerequisites)

College/School: College Of Education**Department:** Dept of Counseling**COUN 611 Appraisal & Assessment Techniq (3 Credits)****Lecture:** 3

APPRAISAL and ASSESSMENT TECHNIQUES (3) A course with focuses on the educational and social issues related to testing and the use of test results. (Prerequisite: EPSY 831)

Prerequisite(s): EPSY 831**College/School:** College Of Education**Department:** Dept of Counseling**COUN 633 Counseling Research (3 Credits)****Lecture:** 3, **Lab:** 0

COUNSELING RESEARCH and PROGRAM EVALUATION (3) Students experience in planning, implementing, and evaluating research and programs. (Prerequisite: EPSY 831)

College/School: College Of Education**Department:** Dept of Counseling**COUN 638 Org & Admin Coun Guid Services (3 Credits)****Lecture:** 3, **Lab:** 0

ORGANIZATION AND ADMINISTRATION OF COUNSELING AND GUIDANCE SERVICES (3) Introduction to planning, organizing and administering guidance services in public schools and other agencies. (Prerequisite: COUN 539 or 832)

Prerequisite(s): COUN 539 or COUN 832**College/School:** College Of Education**Department:** Dept of Counseling**COUN 733 Sem Soc & Cult Diff (3 Credits)****Lecture:** 3, **Lab:** 0

SEMINAR IN SOCIAL AND CULTURAL DIFFERENCES (3) The analysis of selected differences in varying social and cultural groups within the urban setting. (Prerequisite: COUN 539 or 832)

College/School: College Of Education**Department:** Dept of Counseling**COUN 735 Coun Tech (3 Credits)****Lecture:** 3, **Lab:** 0

COUNSELING TECHNIQUES (3) Introduction to and practiced application of counseling techniques as used in today's urban educational and/or professional settings. (Prerequisites: COUN 539 or 832 or 878 and 834)

Prerequisite(s): COUN 539 or COUN 832 or COUN 878 and COUN 593 and COUN 733 and COUN 834 and COUN 876**College/School:** College Of Education**Department:** Dept of Counseling**COUN 736 Supervised Counseling (3 Credits)****Lecture:** 2, **Lab:** 1

SUPERVISED COUNSELING (3) Development of counseling skills in a supervised laboratory setting. Seminar and field placement.

(Prerequisites: COUN 539 or 832 or 878 and 735 and 834)

Prerequisite(s): COUN 735**College/School:** College Of Education**Department:** Dept of Counseling**COUN 810 Coun Children & Adolescents (3 Credits)****Lecture:** 3

COUNSELING CHILDREN and ADOLESCENTS (3) The skills, knowledge and application of counseling theories and techniques appropriate for children and adolescents. (Prerequisites: COUN 593 and COUN 834)

Prerequisite(s): COUN 593 and COUN 834**College/School:** College Of Education**Department:** Dept of Counseling**COUN 817 Special Topics (3 Credits)****Lecture:** 3

SPECIAL TOPICS IN COUNSELING (3) Seminar course on rotating topics as chosen by the instructor of record. May be repeated for up to six credit hours. Not for Independent Study (Prerequisite: Consent of Instructor)

College/School: College Of Education**Department:** Dept of Counseling**COUN 821 Counseling Supervision (3 Credits)****Lecture:** 3

COUNSELING SUPERVISION (3) Knowledge and skill development in supervision in clinical and education settings. (Prerequisite: COUN 839)

Prerequisite(s): COUN 839**College/School:** College Of Education**Department:** Dept of Counseling**COUN 832 Community Agency Counseling (3 Credits)****Lecture:** 3, **Lab:** 0

COMMUNITY AGENCY COUNSELING (3) A course with focuses on knowledge and skills needed for professional community agency counselors with urban emphasis. (No prerequisites)

College/School: College Of Education**Department:** Dept of Counseling**COUN 833 Clinical Mental Health Counseling (3 Credits)****Lecture:** 3

This course focuses on the foundation of clinical mental health. The course includes an exploration of the history, philosophy, trends, and practice of clinical mental health counseling, the roles and functions of clinical supervision; professional organizations, preparation standards and other related professional issues. 3 credit hours per week.

College/School: College Of Education**Department:** Dept of Counseling

COUN 834 Coun & Personality Theories (3 Credits)**Lecture:** 3, **Lab:** 0

COUNSELING AND PERSONALITY THEORIES (3) An introduction to counseling and personality theories and the helping relationship. (No prerequisites)

College/School: College Of Education**Department:** Dept of Counseling**COUN 836 Mental Health & Psychopath (3 Credits)****Lecture:** 3

MENTAL HEALTH AND PSYCHOPATHOLOGY (3) A course with focuses on diagnosis, treatment, and evaluation of clients in a clinical setting as described by the DSM (Prerequisites: COUN 539 or 832 or 878; and 593, 733, 834; and 876))

Prerequisite(s): COUN 539 or COUN 832 or COUN 878 and COUN 593 and COUN 733 and COUN 834 and COUN 876

College/School: College Of Education**Department:** Dept of Counseling**COUN 838 Counseling Capstone (3 Credits)****Lecture:** 3

A course designed to provide students with a review of foundation information learned in the program. e credit hours per week.

College/School: College Of Education**Department:** Dept of Counseling**COUN 839 Practicum I (3 Credits)****Lecture:** 1, **Lab:** 2

PRACTICUM I (3) Supervised practice an agency or school setting. Must be repeated if all contact hours are not completed in one semester. Lab fee. (Prerequisites: 36 hours of completed graduate hours including COUN 735, 736, 890, and written consent of the cooperating field setting)

Prerequisite(s): (COUN 735 and COUN 736 and COUN 836 and COUN 890)

College/School: College Of Education**Department:** Dept of Counseling**COUN 840 Practicum II (3 Credits)****Lecture:** 3

PRACTICUM II (3) Supervised practice in an agency or school setting. Must be repeated if all contact hours are not completed in one semester. Lab fee. (Prerequisites: completion of COUN 839 and written consent of the cooperating field setting)

Prerequisite(s): COUN 839

College/School: College Of Education**Department:** Dept of Counseling**COUN 841 Family Counseling (3 Credits)****Lecture:** 3

FAMILY COUNSELING (3) Study of the various theories of family counseling and therapy with emphasis on applications in educational and community environments. (Prerequisites: COUN 539 or 832 or 878; and 593, 733, 834, and 876)

Prerequisite(s): COUN 539 or COUN 832 or COUN 878 and COUN 593 and COUN 733 and COUN 834 and COUN 876

College/School: College Of Education**Department:** Dept of Counseling**COUN 843 Play Therapy (3 Credits)****Lecture:** 2, **Lab:** 1

PLAY THERAPY (3) A course designed for the purpose of studying theory, techniques, and issues related to counseling using play therapy. (Prerequisites: COUN 539 or 832 or 878; and 593, 733, 810, 834, and 876)

Prerequisite(s): COUN 539 or COUN 832 or COUN 878 and COUN 593 and COUN 733 and COUN 834 and COUN 876

College/School: College Of Education**Department:** Dept of Counseling**COUN 845 Crisis Intervention (3 Credits)****Lecture:** 3

CRISIS INTERVENTION (3) Study of the theory and methods of delivering crisis counseling in educational and community environments.

(Prerequisites: COUN 539 or 832 or 878; and 593, 733, 834, and 876)

Prerequisite(s): COUN 539 or COUN 832 or COUN 878 and COUN 593 and COUN 733 and COUN 834 and COUN 876

College/School: College Of Education**Department:** Dept of Counseling**COUN 847 Consultation Theory & Practice (3 Credits)****Lecture:** 3

This course will provide an overview of consultation theories for the professional counselor and help students develop consultation skills for school, agencies and other clinical organizational settings. 3 credit hours.

College/School: College Of Education**Department:** Dept of Counseling**COUN 851 Substance Abuse Counseling (3 Credits)****Lecture:** 3

SUBSTANCE ABUSE COUNSELING (3) A course focusing on models, counseling strategies, techniques and skill development involved in substance abuse treatment. (Prerequisites: COUN 539 or 832 or 878; and 593, 733, 834, and 876)

Prerequisite(s): COUN 539 or COUN 832 or COUN 878 and COUN 593 and COUN 733 and COUN 834 and COUN 876

College/School: College Of Education**Department:** Dept of Counseling**COUN 852 Addictions Counseling (3 Credits)****Lecture:** 3

This course covers the theory, research and practice of addictions counseling. Exploration of prevention and intervention of substance abuse, gambling, food, drugs and other types of addictions are included in this course. 3 credit hours per week.

College/School: College Of Education**Department:** Dept of Counseling**COUN 860 Pre-Practicum (3 Credits)****Lecture:** 3

This is a supervised pre-practicum experience in an approved agency, rehabilitation, or school site. Students must complete a minimum of 130 hours are required. Seminar and field experience. 3 credit hours per week.

College/School: College Of Education**Department:** Dept of Counseling**COUN 861 Internship I (3 Credits)****Lecture:** 3

This is a supervised counseling practice in an approved agency, rehabilitation, or school site. Must repeat if all contact hours are not completed in a semester. Students receive training and engage in appropriate counseling practices with clinical staff/professional counselors, must complete 300 clock hours. 3 credit hours.

College/School: College Of Education**Department:** Dept of Counseling

COUN 862 Internship II (3 Credits)**Lab:** 3

This is a supervised practice in an approved agency, rehabilitation, or school site. Must repeat if all contact hours are not completed in a semester. Students receive training and engage in appropriate counseling practices with clinical staff/professional counselors; must complete 300 clock hours. 3 credit hours per week.

College/School: College Of Education**Department:** Dept of Counseling**COUN 876 Career and Lifestyle Dev (3 Credits)****Lecture:** 3, **Lab:** 0

CAREER AND LIFESTYLE DEVELOPMENT (3) The study of techniques and theories used by counselors to assist individuals in making informed choices for future career development. (No prerequisites)

College/School: College Of Education**Department:** Dept of Counseling**COUN 878 Intro to Rehabilitation Coun (3 Credits)****Lecture:** 3

INTRODUCTION TO REHABILITATION COUNSELING (3) An introduction to the field of rehabilitation counseling to include processes, facilities, and personnel involved (No prerequisites)

College/School: College Of Education**Department:** Dept of Counseling**COUN 879 Med Psy Aspect Disability (3 Credits)****Lecture:** 3

MEDICAL and PSYCHOSOCIAL ASPECTS TO DISABILITIES (3) A course focusing on medical aspects of disabilities, medical terminology, and functional implications of disabilities. (No prerequisites)

Prerequisite(s): COUN 878**College/School:** College Of Education**Department:** Dept of Counseling**COUN 890 Group Counseling (3 Credits)****Lecture:** 3, **Lab:** 0

GROUP COUNSELING (3) A course which develops knowledge and understanding of current group practices and knowledge of organizing, facilitating and evaluating groups. (Prerequisites: COUN 735 and COUN 736)

Prerequisite(s): COUN 735 and COUN 736**College/School:** College Of Education**Department:** Dept of Counseling**COUN 895 Ethics & Prof Issues Coun (3 Credits)****Lecture:** 3, **Lab:** 0

ETHICS AND PROFESSIONAL ISSUES IN COUNSELING (3) A general survey of professional, ethical and legal concerns facing the practicing counselor as applicable to school and community agencies in the urban setting. For licensure/certification (No prerequisites)

College/School: College Of Education**Department:** Dept of Counseling**COUN 896 Advanced Ethics (3 Credits)****Lecture:** 3

A course in professional counseling ethics with emphasis on professional practice, records management, overview of business/family law and the study of current rules of the Texas State Board of Examiners of Professional Counselors. 3 credit hours per week.

Prerequisite(s): COUN 895**College/School:** College Of Education**Department:** Dept of Counseling**COUN 897 Independent Study (3 Credits)****Lecture:** 3

Independent Study is a course designated for study and research in an area of Counseling under Departmental guidance and supervision. This course may be repeated but not to exceed a maximum of six(6) credit-hours. Pre-req: Departmental approval prior to registration.

College/School: College Of Education**Department:** Dept of Counseling**COUN 910 Counseling the Adolescent (3 Credits)****Lecture:** 3, **Lab:** 0

COUNSELING THE ADOLESCENT (3) Growth and development of adolescents will be examined. Peer pressure will be explored as related to social growth. Focus will be placed in adolescent issues and therapeutic treatment.

College/School: College Of Education**Department:** Dept of Counseling**COUN 911 Ind Appraisal In Coun (3 Credits)****Lecture:** 3, **Lab:** 0

INDIVIDUAL APPRAISAL IN GUIDANCE (3) Analysis and techniques of individual appraisal in guidance and counseling services.

College/School: College Of Education**Department:** Dept of Counseling**COUN 912 Prin & Found Of Coun (3 Credits)****Lecture:** 3, **Lab:** 0

PRINCIPLES AND FOUNDATIONS (3) Philosophical, psychological and Sociological concepts fundamental to guidance and related professions; rationales and models designed to integrate guidance functions and curriculum.

College/School: College Of Education**Department:** Dept of Counseling**COUN 913 Coun & Ind Case Work (3 Credits)****Lecture:** 3, **Lab:** 0

COUNSELING AND INDIVIDUAL CASEWORK (3) Consideration is given to the counseling process, theories of behavior underlying different approaches to counseling.

College/School: College Of Education**Department:** Dept of Counseling**COUN 914 Supervised Counseling (3 Credits)****Lecture:** 3, **Lab:** 0

SUPERVISED COUNSELING (3-6) This course is designed to demonstrate skill development utilization modifications of the Micro-counseling Model in a laboratory setting. Individual study with a weekly seminar. May be repeated.

College/School: College Of Education**Department:** Dept of Counseling**COUN 915 Vocational Assessment (3 Credits)****Lecture:** 3, **Lab:** 0

VOCATIONAL ASSESSMENT (3) A study of various methods, instruments, and techniques used in determining occupational aptitudes and interest of students.

College/School: College Of Education**Department:** Dept of Counseling**COUN 916 Sem Comm Col Stu Pers Servs (3 Credits)****Lecture:** 3, **Lab:** 0

STUDENT PERSONNEL SERVICE (3) An examination and investigation of critical issues in community college personnel work. Seminar reports required.

College/School: College Of Education**Department:** Dept of Counseling

COUN 917 Sem II Counseling (3 Credits)**Lecture:** 3, **Lab:** 0

SEMINAR II-COUNSELING SOCIAL ISSUES (3) Courses for advanced students in guidance who wish to make a study of specific problems of their own choosing.

College/School: College Of Education**Department:** Dept of Counseling**COUN 918 Probs In Coun (3-6 Credits)****Lecture:** 6, **Lab:** 0

SEMINAR III-URBAN ISSUES IN COUNSELING (3-6) A course affording the opportunity and challenge of self-directive, independent study, enabling the student to pursue needed study in a field appropriate to the curriculum design. Hours to be arranged.

College/School: College Of Education**Department:** Dept of Counseling**COUN 919 Internship (3 Credits)****Lecture:** 0, **Lab:** 9

INTERNSHIP (6) Application of academic preparation in a professional employment setting. Independent study with weekly consultation. Hours to be arranged. May be repeated.

College/School: College Of Education**Department:** Dept of Counseling**COUN 920 Research in Counseling (3 Credits)****Lecture:** 3, **Lab:** 0

RESEARCH IN COUNSELING (3) Research methods related to counseling issues will be studied. Develop research models for mental health counseling.

College/School: College Of Education**Department:** Dept of Counseling**COUN 941 Parent & Family Counseling (3 Credits)****Lecture:** 2, **Lab:** 1

PARENT AND FAMILY COUNSELING (3) The study of family systems and effective strategy for urban family intervention. (Prerequisite: Approval of instructor)

College/School: College Of Education**Department:** Dept of Counseling**COUN 942 Marriage & Couples Counseling (3 Credits)****Lecture:** 2, **Lab:** 1

MARRIAGE/COUPLES COUNSELING (3) Application of relationship counseling theory to the study of individual development, interpersonal relationships, marital systems, and conflict resolution. (Prerequisite: Approval of instructor)

College/School: College Of Education**Department:** Dept of Counseling**COUN 943 Child Coun & Play Therapy (3 Credits)****Lecture:** 2, **Lab:** 1

CHILD COUNSELING AND PLAY THERAPY (3) The study of learning and behavioral patterns of children and the utilization of play media to facilitate self-expression, selfunderstanding, and personal growth and development.

College/School: College Of Education**Department:** Dept of Counseling**COUN 944 Topics in Aging (3 Credits)****Lecture:** 3

TOPICS IN AGING (3) In-depth analysis and discussion of selected significant subjects in aging and geriatrics.

College/School: College Of Education**Department:** Dept of Counseling**COUN 945 Independent Study (3 Credits)****Lecture:** 3

Independent Study is a course designated for study and research in an area of Counseling under Departmental guidance and supervision. This course may be repeated but not to exceed a maximum of six(6) credit-hours. Pre-req: Departmental approval prior to registration.

College/School: College Of Education**Department:** Dept of Counseling**COUN 951 Drugs & Addiction (3 Credits)****Lecture:** 3

DRUGS AND ADDICTION (3) The special application of principles of drugs and addiction to the urban population.

College/School: College Of Education**Department:** Dept of Counseling**COUN 989 Seminar in Counseling (3 Credits)****Lecture:** 2, **Lab:** 1

SEMINAR IN COUNSELING: CASE MANAGEMENT AND TREATMENT (6)

Application of clinical diagnosis with use of Diagnostic and Statistical Manual (DSM) specifically using the diagnostic tree. Treatment plans and case management for short and long-term goals are explored.

College/School: College Of Education**Department:** Dept of Counseling**COUN 999 Dissertation (3-12 Credits)****Lecture:** 0, **Lab:** 6

DISSERTATION (6) Research for dissertation. Hours to be arranged.

College/School: College Of Education**Department:** Dept of Counseling**COUN 5390 School Counseling: Consultation, Coordination, and Counseling Services (3 Credits)****Lecture:** 3

This course is designed to provide students with an understanding of the planning, design, implementation, and evaluation of comprehensive, developmental school counseling programs and professional ethics. The course includes student collaboration with existing school counseling programs to facilitate student professionalism and competence in consultation, strategy selection and implementation, program delivery, and community referral.

College/School: College Of Education**Department:** Dept of Counseling**COUN 6315 Assessment, Occupational Analysis, and Service Implementation (3 Credits)****Lecture:** 3

A course with focuses on vocational implications of functional limitations associated with disabilities, interpretation of assessment results for rehabilitation for planning purposes, tests and evaluation techniques available for assessing clients' needs, methods and techniques used to conduct labor market surveys. (Prerequisites: COUN 8365 and EPSY 8331)

Prerequisite(s): COUN 8365 and EPSY 8331**College/School:** College Of Education**Department:** Dept of Counseling

COUN 6380 School Counseling: Leadership, Advocacy, and Accountability (3 Credits)**Lecture:** 3

Application of The Texas Model for Comprehensive School Counseling Programs to promote education, personal, social, and career development of the learner. The course includes study of referral sources, community service agencies, legal and ethical practices and development of practical school counseling skills. (Prerequisite: COUN 5390)

Prerequisite(s): COUN 5390

College/School: College Of Education

Department: Dept of Counseling

COUN 7380 Technology in School Counseling (3 Credits)**Lecture:** 3

This course focuses on the integration of technology and emerging Web applications into the school counseling curricula. Students will explore the application of emerging technologies to effectively deliver comprehensive school counseling programming in schools from PreK through 12th grade graduation. (Prerequisite: COUN 5390)

Prerequisite(s): COUN 5390

College/School: College Of Education

Department: Dept of Counseling

COUN 8325 Case Management (3 Credits)**Lecture:** 3

A course focusing on case management process, negotiation, mediation, and conflict resolution strategies, principles of caseload management, advocacy processes, principles, models, and documentation formats for biopsychosocial case conceptualization and treatment planning. (Prerequisite: COUN 8365)

Prerequisite(s): COUN 8365

College/School: College Of Education

Department: Dept of Counseling

COUN 8335 Health Care and Disability Management (3 Credits)**Lecture:** 3

A course focusing on appropriate medical intervention resources, health promotion and wellness concepts and strategies for people with chronic illness and disability, disability prevention and management strategies, workers' compensation law and practices. (Prerequisite: COUN 8365)

Prerequisite(s): COUN 8365

College/School: College Of Education

Department: Dept of Counseling

COUN 8355 Research, Methodology, and Performance Management (3 Credits)**Lecture:** 3

Students experience in planning, implementing, and evaluating research and programs with focus on program evaluation procedures for assessing the effectiveness of rehabilitation services and outcomes, research methods and statistics. (Prerequisites: COUN 8365 and EPSY 8331)

Prerequisite(s): COUN 8365 and EPSY 8331

College/School: College Of Education

Department: Dept of Counseling

COUN 8365 Professional Orientation and Ethical Practice in Rehab Counseling (3 Credits)**Lecture:** 3

An introduction to the field of rehabilitation counseling, rehabilitation terminology and concepts, risk management and professional standards for rehabilitation counselors, ethical decision-making models and processes, credentialing issues related to the rehabilitation counseling profession.

College/School: College Of Education

Department: Dept of Counseling

COUN 8380 Counseling Capstone (3 Credits)**Lecture:** 3

This course is designed for graduate level students to review 8 core areas in counseling using objective assessment as student exit the program; and, transition from the role of a graduate student to a professional through an experiential capstone project. (Prerequisites: COUN 5390 or 8330 or 8365; and 5391, 6311, 6330, 7330, 7350, 8340, 8360, 8376, 8390, 8395, 8396, 8399)

Prerequisite(s): (COUN 5390 or COUN 8330 or COUN 8365) and (COUN 5391 and COUN 6311 and COUN 6330 and COUN 7330 and COUN 7350 and COUN 8340 and COUN 8360 and COUN 8376 and COUN 8390 and COUN 8395 and COUN 8396 and COUN 8399)

College/School: College Of Education

Department: Dept of Counseling

COUN 8385 Career Development and Job Placement in Rehab Counseling (3 Credits)**Lecture:** 3

This course will study techniques and theories used by rehabilitation counselors to assist individuals in making informed choices for future career development. (Prerequisite: COUN 8365)

Prerequisite(s): COUN 8365

College/School: College Of Education

Department: Dept of Counseling

COUN 8394 Social, Legal, and Ethical Issues in School Counseling (3 Credits)**Lecture:** 3

This course focuses on principles, practices, and application of social, ethical and legal issues in school counseling. (Prerequisite COUN 5390)

Prerequisite(s): COUN 5390

College/School: College Of Education

Department: Dept of Counseling

COUN 8399 Mental Health and Psychopathology (3 Credits)**Lecture:** 3

This course focuses on evaluation, diagnosis, and treatment of clients in a clinical setting as described by the Diagnostic and Statistical Manual of Mental Disorders (DSM) and introduces Psychopharmacology. (Prerequisites: COUN 8330 or 8365; and 5391, 7330, 8340)

Prerequisite(s): (COUN 8330 or COUN 8365) and (COUN 5391 and COUN 7330 and COUN 8340)

College/School: College Of Education

Department: Dept of Counseling

Counseling (Clinical Mental Health Counseling Concentration), Master of Education

The **Clinical Mental Health Counseling Concentration** prepares candidates to become counselors in community agencies and other private sectors. In addition to completing core counseling courses,

candidates are required to complete courses specific to Clinical Mental Health Counseling. This concentration meets the requirements for Licensure as a Professional Counselor in Texas, as well as the requirements for the National Board for Certified Counselors.

Summary

Code	Title	Hours
Pre-Qualifying Courses (p. 83)		12
Core Requirements (p. 83)		30
Specialization (p.)		12
Institutional Requirements (p. 83)		6
Total Hours		60

Pre-Qualifying Courses

Code	Title	Hours
COUN 593	Human Growth and Development	3
COUN 733	Sem Soc & Cult Diff	3
COUN 833	Clinical Mental Health Counseling	3
COUN 834	Coun & Personality Theories	3
Total Hours		12

Core Requirements

Code	Title	Hours
COUN 611	Appraisal & Assessment Techniq	3
COUN 633	Counseling Research	3
COUN 735	Coun Tech	3
COUN 845	Crisis Intervention	3
COUN 852	Addictions Counseling	3
COUN 860	Pre-Practicum	3
COUN 861	Internship I	3
COUN 862	Internship II	3
COUN 876	Career and Lifestyle Dev	3
COUN 890	Group Counseling	3
Total Hours		30

CONCENTRATION

Code	Title	Hours
COUN 821	Counseling Supervision	3
COUN 836	Mental Health & Psychopath	3
COUN 895	Ethics & Prof Issues Coun	3
COUN 896	Advanced Ethics	3
Total Hours		12

Institutional Requirements

Code	Title	Hours
EPSY 831	Educ Statistics	3
EDFD 576	His Black Ed In America	3
Total Hours		6

Enrichment COURSES

Code	Title	Hours
COUN 810	Coun Children & Adolescents	3
COUN 817	Special Topics	3
COUN 821	Counseling Supervision	3
COUN 836	Mental Health & Psychopath	3
COUN 838	Counseling Capstone	3
COUN 841	Family Counseling	3
COUN 843	Play Therapy	3
COUN 847	Consultation Theory & Practice	3

Counseling (Rehabilitation Counseling Concentration), Master of Education

The **Rehabilitation Counseling Concentration** prepares candidates to become Rehabilitation Counselors in either the public state agency or to provide services in the private sector. Once candidates complete core counseling courses, each is required to complete the appropriate courses relevant to Rehabilitation Counseling. The Rehabilitation Counseling concentration will allow candidates to qualify to take the Certified Rehabilitation Counseling examination.

Summary

Code	Title	Hours
Pre-Qualifying Courses (p. 83)		12
Core Requirements (p. 83)		30
Specialization (p.)		12
Institutional Requirements (p. 84)		6
Total Hours		60

Pre-Qualifying Courses

Code	Title	Hours
COUN 593	Human Growth and Development	3
COUN 733	Sem Soc & Cult Diff	3
COUN 834	Coun & Personality Theories	3
COUN 878	Intro to Rehabilitation Coun	3
Total Hours		12

Core Requirements

Code	Title	Hours
COUN 611	Appraisal & Assessment Techniq	3
COUN 633	Counseling Research	3
COUN 735	Coun Tech	3
COUN 845	Crisis Intervention	3
COUN 852	Addictions Counseling	3
COUN 860	Pre-Practicum	3
COUN 861	Internship I	3
COUN 862	Internship II	3
COUN 876	Career and Lifestyle Dev	3

COUN 890	Group Counseling	3
Total Hours		30

CONCENTRATION

Code	Title	Hours
COUN 836	Mental Health & Psychopath	3
COUN 879	Med Psy Aspect Disability	3
COUN 895	Ethics & Prof Issues Coun	3
COUN 896	Advanced Ethics	3
Total Hours		12

Institutional Requirements

Code	Title	Hours
EPSY 831	Educ Statistics	3
EDFD 576	His Black Ed In America	3
Total Hours		6

ENRICHMENT COURSES

Code	Title	Hours
COUN 810	Coun Children & Adolescents	3
COUN 817	Special Topics	3
COUN 821	Counseling Supervision	3
COUN 836	Mental Health & Psychopath	3
COUN 838	Counseling Capstone	3
COUN 841	Family Counseling	3
COUN 843	Play Therapy	3
COUN 847	Consultation Theory & Practice	3

Counseling (School Counseling Concentration), Master of Education

The **School Counseling Concentration** prepares candidates to become PreK-12 School Counselors. Candidates become familiar with the design and implementation of the comprehensive developmental guidance and counseling model. In addition to core counseling courses, candidates take courses specific to School Counseling. The School Counseling concentration meets the requirements for the Texas School Counselor Certification.

Summary

Code	Title	Hours
Pre-Qualifying Courses (p. 84)		12
Core Requirements (p. 84)		30
Specialization (p. 84)		12
Institutional Requirements (p. 84)		6
Total Hours		60

Pre-Qualifying Courses

Code	Title	Hours
COUN 539	School Counseling	3
COUN 593	Human Growth and Development	3
COUN 733	Sem Soc & Cult Diff	3

COUN 834	Coun & Personality Theories	3
Total Hours		12

Core Requirements

Code	Title	Hours
COUN 611	Appraisal & Assessment Techniq	3
COUN 633	Counseling Research	3
COUN 735	Coun Tech	3
COUN 845	Crisis Intervention	3
COUN 852	Addictions Counseling	3
COUN 860	Pre-Practicum	3
COUN 861	Internship I	3
COUN 862	Internship II	3
COUN 876	Career and Lifestyle Dev	3
COUN 890	Group Counseling	3
Total Hours		30

CONCENTRATION

Code	Title	Hours
COUN 638	Org & Admin Coun Guid Services	3
COUN 810	Coun Children & Adolescents	3
COUN 841	Family Counseling	3
COUN 895	Ethics & Prof Issues Coun	3
Total Hours		12

Institutional Requirements

Code	Title	Hours
EPSY 831	Educ Statistics	3
EDFD 576	His Black Ed In America	3
Total Hours		6

ENRICHMENT COURSES

Code	Title	Hours
COUN 810	Coun Children & Adolescents	3
COUN 817	Special Topics	3
COUN 821	Counseling Supervision	3
COUN 836	Mental Health & Psychopath	3
COUN 838	Counseling Capstone	3
COUN 841	Family Counseling	3
COUN 843	Play Therapy	3
COUN 847	Consultation Theory & Practice	3

Counseling, Doctor of Education

The Doctor of Education degree program in **Counseling** is designed to prepare graduates who are highly competent in professional counseling skills in research as well as produce effective leaders in educational and human services arenas in the urban community. Building upon the prerequisite of a relevant master's degree, the doctoral student is provided a series of academic, laboratory, and internship experiences aimed at the development of a broad base in educational foundations, a concentration in counseling, and additional breadth in preparation through exposure to a supporting area related to the field of the major.

The minimum requirement for the doctoral degree is sixty (60) semester hours, including six (6) hours of doctoral dissertation.

Doctor of Education Degree Programs

The policies governing admission to the Doctor of Education (Ed.D.) degree program are as follows:

1. Student must apply for admission to the doctoral program through the Graduate School by completing an application and submitting all required documents (including GRE scores).
2. Completed applications are reviewed by the Doctoral Admissions Committee in the
3. major area and the names of applicants recommended for admission are submitted to the Graduate School.
4. Upon approval, the Dean of the Graduate School will notify applicants of the Committee's decision.

Prerequisite(s): A master's degree in counseling or a counseling-related field from an accredited college or university. Board rules specifically define "counseling -related field": §681.2. Definitions (9) Counseling-related field - A mental health discipline utilizing human development, psychotherapeutic, and mental health principles including, but not limited to:

- psychology,
- psychiatry,
- social work,
- marriage and family therapy, and
- guidance and counseling.

Non-counseling fields include, but are not limited:

- to dance therapy,
- sociology,
- education,
- administration, and
- theology.

The Doctor of Education degree program in **Counselor Education** is designed to prepare graduates who are highly competent in professional counseling skills in research as well as produce effective leaders in educational and human services arenas in the urban community. Building upon the prerequisite of a relevant master's degree, the doctoral student is provided a series of academic, laboratory, and internship experiences aimed at the development of a broad base in educational foundations, an area of study in counseling, and additional breadth in preparation through exposure to a supporting area related to the field of the major. The minimum requirement for the doctoral degree is sixty (60) semester credit hours, including six (6) hours of doctoral dissertation.

Grades for Research Courses

Dissertation research courses receive grades of satisfactory or unsatisfactory only. Grades are assigned only after the defense of the dissertation. A successful defense or submission of the dissertation requires the supervising member of faculty to assign a satisfactory grade for the appropriate research course.

Admission Requirements

The criteria for admission to the Doctor of Education degree program are:

Unconditional Admission—The applicant must submit a Graduate Record Examination (GRE) score (combined verbal and quantitative; writing score) that will be used in conjunction with the applicant's socioeconomic profile and the Masters grade point average to determine admission.

Non-negotiable Areas

In addition, the applicant must meet all of the following requirements:

1. Have an earned master's degree or its equivalent in a degree program with a grade point average of at least 3.25 ("B+") from an accredited institution of higher education.
2. Hold or earn, before completing the program, a teaching or administrative certificate, unless the area in which the individual specializes does not require certification.
3. Have a minimum of two (2) years of successful professional experience in teaching, administration, supervision, counseling or other career service, for example, personnel in business and industry, counselor, etc.
4. Submit recommendations from at least three persons including two (2) college faculty members in the applicant's most recent academic program and at least one (1) immediate supervisor of the applicant's professional work.
5. Demonstrate acceptable proficiency in the use of the English language based upon performance on a standardized English Proficiency Test. (Performance on the Verbal portion of the GRE may be considered as adequate by the Doctoral Admission Committee).
6. Have a personal interview with the department head and faculty in the area of the planned concentration.
7. Make a score of at least 79 on the TOEFL or IELTS (iBT) = 6.0 (if not from an English speaking country). The following are some factors that may be included in the socioeconomic profile used in the admission process.
 - a. Economic status of family when applicant attended elementary, secondary, and undergraduate school.
 - b. Applicant's status of first-generation to attend undergraduate school.
 - c. Applicant's status of first-generation to attend graduate or professional school.
 - d. Applicant is multilingual.
 - e. Applicant's employment while attending undergraduate school.
 - f. Applicant's role in helping rear other children in family.
 - g. Applicant's geographic residence in Texas at time of application.
 - h. Geographic region of applicant's high school.
 - i. Applicant's demonstration of performance in community activities.
 - j. Applicant's demonstration of commitment to a particular field of study.
 - k. The presence or absence of role models with comparable graduate school training in the applicant's region of residence.
 - l. The applicant's performance during a personal interview.
8. Other criteria specified in H.B. 1641 will be considered.

Conditional Admission - The applicant must submit a Graduate Record Examination (GRE) score (combined verbal and quantitative) that will be used in conjunction with the applicant's socioeconomic profile and the Master's grade point average to determine admission to graduate

programs. Failed to acquire at least a 3.5 on the Writing section of the GRE.

Additional Items Needed to be Considered

Writing Sample: Applicant will submit a handwritten writing sample that must be 300-600 words; and score 3.5 on the analytical writing section of the GRE. Interview: Applicant will be interviewed by members of the COE Admissions Committee. Oral Presentation: Applicant will be required to orally present a piece of work to the COE Admissions Committee.

Summary

Code	Title	Hours
	Core Curriculum (p. 86)	36
	Foundation Core Requirements (p. 86)	12
	Electives (p. 86)	6
	Dissertation (p. 86)	6
Total Hours		60

Core Course Requirements

Code	Title	Hours
COUN 910	Counseling the Adolescent	3
COUN 911	Ind Appraisal In Coun ¹	3
COUN 912	Prin & Found Of Coun	3
COUN 913	Coun & Ind Case Work ¹	3
COUN 914	Supervised Counseling ¹	3
COUN 915	Vocational Assessment ¹	3
COUN 916	Sem Comm Col Stu Pers Servs	3
COUN 917	Sem IICounseling	3
COUN 918	Probs In Coun ¹	3
COUN 919	Internship ¹	6
COUN 920	Research in Counseling	3
Total Hours		36

Foundation Core Course Requirements

Code	Title	Hours
Select twelve (12) semester credits from the following:		12
EDFD 902	Theoretical Fdtns Of Ed	
EDFD 903	Nature Methodology Ed Res	
EDFD 905	Nature Meth Ed Res	
EDFD 931	Ed Res Corr Stat Methods ¹	
EDFD 932	Ed Res Sig Tests Stat Methods ¹	
EDFD 997	Research Seminar ¹	
EDFD 980	Hist Of Ed In U S	
Total Hours		12

INSTITUTIONAL REQUIREMENTS

Code	Title	Hours
Select six (6) semester credits from the following:		6
COUN 836	Mental Health & Psychopath	
COUN 941	Parent & Family Counseling	
COUN 942	Marriage & Couples Counseling	
COUN 943	Child Coun & Play Therapy	

COUN 944	Topics in Aging	
COUN 951	Drugs & Addiction	
COUN 989	Seminar in Counseling	
PSY 739	Psychopathology	
Total Hours		6

Dissertation Requirements

Code	Title	Hours
COUN 999	Dissertation	6
Total Hours		6

Department of Curriculum and Instruction

The mission of the Department of Curriculum and Instruction is to produce effective teachers to serve culturally diverse students with a focus on urban school populations. The Department's mission is consistent with the overall mission of the College of Education (COE). The mission of the COE is to prepare caring, committed, competent, culturally responsive professionals who are equipped to provide effective service in urban schools, agencies and other entities.

The Master's program in Curriculum and Instruction is designed to enhance professional competence in determining what and how to teach as well as provide experience in educational research for both certified and non-certified candidates. The program equips candidates with the knowledge and skills needed to pursue rewarding and productive careers in higher education classrooms, school districts, and other public and private agencies of the education profession. The expectation is that graduates of the program will acquire knowledge, skills, and dispositions at an advanced level enabling them to function as professionals who will manifest caring, competent, committed, and culturally responsive qualities and characteristics.

Program Objectives

Program objectives for the M.Ed. in Curriculum and Instruction are aligned with the College of Education's Twenty- One Proficiencies as well as National Standards.

Persons completing the advanced program in Curriculum and Instruction will demonstrate

1. Advanced knowledge of current research in Curriculum and Instruction.
2. Advanced knowledge in teaching using best practices in teaching and learning.
3. Advanced knowledge of diverse social and cultural differences that influence teaching and learning.
4. Proficiency in different research methods and use of various research tools.

Program Requirements

In addition to Graduate School Admission requirements, the Department of Curriculum and Instruction may have additional requirements. Please check with the department.

Non-certified candidates are required to take an additional 6-9 semester credit hours beyond the required 36 semester hours for the degree in

order to begin enrolling in required courses on the degree plan. These hours will not count towards the 36 hours needed for the degree.

A Comprehensive Examination will be administered to all candidates within six (6) semester hours of graduation. Eligibility to take the Comprehensive Examination will be determined by the advisor and the Department Chairperson. Passing the Comprehensive Examination with a minimum score of 70 is required for graduation.

A master's degree applicant may be allowed three attempts to pass the comprehensive examination. A student who fails the comprehensive examination the second time may petition for a third examination and the petition must show a plan of action wherein the petitioner will endeavor to improve his/her chances for satisfactorily passing the examination. The academic advisor, department chairperson, the Dean of the College of Education and the Dean of the Graduate School must approve the petition.

A student who fails to pass the master's comprehensive examination after the third attempt will be automatically discontinued as a student in the relevant master's program.

The choice of specialization area for secondary education students is limited to those subjects generally taught in the middle or secondary schools. An advisor is assigned when the student has been approved for admission into the graduate program.

Non-certified candidates will be expected to take 6 to 9 semester credit hours of leveling courses (EDCI 310 Field Based I Perf Focus Tchng, EDCI 339 Classrm Mngt, and/or EDCI 350 Desgng & Implg Inst/Assessment). These hours do not count towards the degree. Please see department chair for more details.

- Curriculum and Instruction (Bilingual Education Concentration), Master of Education (p. 93)
- Curriculum and Instruction (Early Childhood Education Concentration), Master of Education (p. 93)
- Curriculum and Instruction (Instructional Technology Concentration), Master of Education (p. 94)
- Curriculum and Instruction (Reading Education Concentration), Master of Education (p. 94)
- Curriculum and Instruction (Secondary _____ Concentration), Master of Education (p. 94)
- Curriculum and Instruction (Special Education Concentration), Master of Education (p. 95)
- Curriculum and Instruction (Sports Studies Concentration), Doctor of Education (p. 95)
- Curriculum and Instruction, Doctor of Education (p. 95)

Education Curriculum & Instruction

EDCI 501 The Bil Cur (3 Credits)

Lecture: 3

THE BILINGUAL CURRICULUM (3) Familiarizes students with new approaches in the bilingual curriculum including technology, national/state standards, EC-12.

College/School: College Of Education

Department: Dept of Curriculum & Instructn

EDCI 502 Cult Fnd of Bil ED (3 Credits)

Lecture: 3

CULTURAL FOUNDATIONS OF BILINGUAL EDUCATION (3) Familiarizes students with the impact of culture on education and with methodology for teaching in a bilingual classroom, EC- 12.

College/School: College Of Education

Department: Dept of Curriculum & Instructn

EDCI 510 Prin & Fnd of ED (3 Credits)

Lecture: 3

PRINCIPLES AND FOUNDATION OF EDUCATION (3) Studies the sociological, economic, philosophical and historical foundations of American education. (Must be taken concurrently with EDCI 527).

College/School: College Of Education

Department: Dept of Curriculum & Instructn

EDCI 520 Curr Dev Early Childhood Ed (3 Credits)

Lecture: 3, **Lab:** 0

CURRICULUM DEVELOPMENT IN EARLY CHILDHOOD (3) Examines the theoretical bases of curriculum. Emphasis on designing curriculum appropriate for early childhood. Also includes practical application and evaluation of designed curriculum.

College/School: College Of Education

Department: Dept of Curriculum & Instructn

EDCI 521 Creativity In Child Dev (3 Credits)

Lecture: 2, **Lab:** 1

CREATIVITY IN CHILD DEVELOPMENT (3) Explores the nature of creativity, the role of teacher and creative environments. Studies the relationship of creativity to curricula areas: designing and implementation of creative activities.

College/School: College Of Education

Department: Dept of Curriculum & Instructn

EDCI 524 Home Com Partnsp Dev Of Child (3 Credits)

Lecture: 2, **Lab:** 1

HOME/COMMUNITY DEVELOPMENT OF THE CHILD (3) Analyzes the relationship among the home, school, and community for optimum child development. Develops faculty in working with parents as members of the learning community.

College/School: College Of Education

Department: Dept of Curriculum & Instructn

EDCI 525 Field Experience Practicum (3 Credits)

Lecture: 0, **Lab:** 0

FIELD EXPERIENCE PRACTICUM IN EARLY CHILDHOOD (3) Constructs practical experiences in working with young children 3-5 years old. In-depth observation and work with children in each domain. (Prerequisite: Instructor's consent)

College/School: College Of Education

Department: Dept of Curriculum & Instructn

EDCI 527 Advanced Fld Exp Prac ECH (3 Credits)

Lecture: 3, **Lab:** 0

PSYCHOLOGY OF LEARNING, GROWTH AND DEVELOPMENT (3) Provides a foundation in comprehensive classroom management with a special emphasis on creating a positive, productive classroom environment. Attention to research-based management techniques and problem solving for unproductive student behaviors. (Must be taken concurrently with EDCI 510).

College/School: College Of Education

Department: Dept of Curriculum & Instructn

EDCI 528 Eval & Assess Early Chld (3 Credits)**Lecture:** 3, **Lab:** 0

EVALUATION AND ASSESSMENT IN EARLY CHILDHOOD (3) Presents evaluation and assessment processes used with young children.

Analyzes case studies with emphasis on application and remediation.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 531 Classroom Management (3 Credits)****Lecture:** 3, **Lab:** 0

CLASSROOM MANAGEMENT (3) Presents modern techniques for managing the instructional climate with emphasis on student-centered approaches and includes a practicum component.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 539 Assess & clasrm Mgmt (3 Credits)****Lecture:** 3**College/School:** College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 540 Curriculum & Instruction (3 Credits)****Lecture:** 2, **Lab:** 1

CURRICULUM AND INSTRUCTION (3) Analyzes procedures used in the administration and implementation of curriculum programs in public schools.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 544 Dev English Skills (3 Credits)****Lecture:** 3, **Lab:** 0

DEVELOPMENT OF ENGLISH LANGUAGE SKILL (3) Analyzes state-of-the-art techniques used to teach English to speakers of other languages.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 550 Ins Strat (3 Credits)****Lecture:** 3

EFFECTIVE INSTRUCTIONAL STRATEGIES (3) Focuses on the study of instructional methods that emphasize practical application to the teaching/ learning process. Some of these strategies include planning, resource selection, evaluation and communication.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 551 Multicultural Education (3 Credits)****Lecture:** 2, **Lab:** 1

MULTICULTURAL EDUCATION (3) Shaped by the Texas Examinations of Educator Standards (TExES), this course builds a knowledge base for education that is culturally responsive. It focuses on school policies and practices that promote equity in achievement especially in urban school communities.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 571 Tchg Social Stud Elem Sch (3 Credits)****Lecture:** 2, **Lab:** 1

TEACHING SOCIAL STUDIES IN THE ELEMENTARY SCHOOL (3) Outlines recent trends in the organization and content of the integrated social studies curriculum.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 577 Language Study Elementary Sch (3 Credits)****Lecture:** 2, **Lab:** 1

LANGUAGE STUDIES IN ELEMENTARY SCHOOLS (3) Theories and practices in integrated language, teaching, and learning in elementary classrooms.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 583 Tech Indiv Instruc (3 Credits)****Lecture:** 3, **Lab:** 0

TECHNIQUES OF INDIVIDUALIZED INSTRUCTION (3) Presents a research-based individualized instruction knowledge-base that emphasizes (a) competency-based education, (b) standards-based education, (c) differentiated instruction and (d) Universal Design for Learning (UDL).

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 606 Lin Fnd of Bil ED (3 Credits)****Lecture:** 3

LINGUISTIC FOUNDATION OF BILINGUAL EDUCATION (3) Familiarizes students with foundations of bilingual education in the United States with an emphasis on linguistic aspects of teaching.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 633 Research (3 Credits)****Lecture:** 3

RESEARCH (3) Studies educational research from a comprehensive perspective. Included are techniques and concepts of social and behavioral research; writing in the APA format; ethical standards governing educational research; experiences in the use of internal and external critique methods. (Prerequisites: Three semester credit hours of statistics)

Prerequisite(s): EPSY 831**College/School:** College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 639 Science in Elementary School (3 Credits)****Lecture:** 2, **Lab:** 1

SCIENCE IN ELEMENTARY SCHOOL (3) Presents a study of the science curriculum and the methods of teaching integrated science in the elementary school.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 644 Tch Cont Areas in Span:Rgd/La (3 Credits)****Lecture:** 3

TEACHING CONTENT AREAS IN SPANISH (3) Provides comprehensive knowledge of content area instruction in Spanish reading/language arts.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 700 Instructional Design and Technology (3 Credits)****Lecture:** 3, **Lab:** 0

This course will introduce the field of instructional design and technology and its impact on teaching and learning. Student will develop complete instruction followed by instructional design and technological model.

This course will be the study and application of innovative instructional design and technology. Three credit hours per week.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn

EDCI 701 App Lin for Bil Clsrm (3 Credits)**Lecture:** 3, **Lab:** 0

APPLIED LINGUISTICS (3) Introduces linguistic concepts and contrastive analysis and their applications to practical linguistic situations.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 702 Integrating Technology Into the Curriculum (3 Credits)****Lecture:** 3, **Lab:** 0

This course will focus on the practical integration of technology into the elementary and secondary curriculum. Student will learn how to integrate various technology tools into teaching and learning practices. Appropriate uses of technology and software will be examined and developed. Three credit hours per week.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 703 Multimedia for the Classroom (3 Credits)****Lecture:** 3, **Lab:** 0

This class will focus on the classroom application of digital graphics, animation, multimedia, audio, video, and web 2.0. Students will create various multimedia project that can be directly used for teaching and learning. Three credit hours per week.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 727 Independent Study & Research (3-6 Credits)****Lecture:** 0, **Lab:** 0

INDEPENDENT STUDY AND RESEARCH (3) Focuses on creating opportunities for students to pursue actively research problems in curriculum and instruction of personal interest or to complete course requirements.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 732 Prim/Mid Sch Read Inst (3 Credits)****Lecture:** 3, **Lab:** 0

PRIMARY/MIDDLE SCHOOL READING INSTRUCTION (3) Provides opportunities to study instructional methods, laboratory methods, and student-planned learning exercises and materials for improving the teaching of reading in the primary and middle schools.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 733 Design and Development of Online Educational Resources (3 Credits)****Lecture:** 3

Students will design and develop educational resources for online learning environment and examines the application tools, resources, and strategies to support, deliver, and enhance online learning tools. Students will actively engage in online activities as they identify and plan online learning resources. Three credit hours per week.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 734 Instructional Design (3 Credits)****Lecture:** 3

INSTRUCTIONAL DESIGN (3) Introduces the theoretical, experiential, and critical components of the instructional design process. Students will explore the primary methods of computer-based instruction and the major components of instructional development.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 735 Courseware & Presentation Tool (3 Credits)****Lecture:** 3

COURSEWARE and PRESENTATION TOOLS (3) Presents students with an overview of a range of software applications with which they can develop educational and instructional materials.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 736 Design of Web Graphics (3 Credits)****Lecture:** 3

DESIGN OF WEB GRAPHICS (3) Enhances students' ability to conceptualize and develop visually-rich and appropriate materials for online environments that support and enhance active teaching and learning.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 737 Distance Learning & Teaching (3 Credits)****Lecture:** 3

DISTANCE LEARNING and TEACHING (3) Examines the application of tools, resources, and strategies to support, deliver, and enhance technology-supported curriculum. Students actively engage in online activities as they identify and plan a curriculum.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 738 Ed Use of Digital Video (3 Credits)****Lecture:** 3

EDUCATIONAL USE OF DIGITAL VIDEO (3) Examines the use of analog and digital video in the design and creation of online and computer-based instructional materials.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 739 Educational Use of Digital Video (3 Credits)****Lecture:** 3

This course will examine the use of analog digital video in the design and creation of online and computer-based instructional materials. Students will develop various educational videos that can be integrated into teaching-and learning. Three credit hours per week.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 744 Tchgr in Span: Soc Std, Math,Sc (3 Credits)****Lecture:** 3**College/School:** College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 773 Recent Res Tchgr Hs Subjects (3 Credits)****Lecture:** 3, **Lab:** 0

RECENT RESEARCH IN TEACHING HIGH SCHOOL SUBJECTS (3) Presents a review of research in secondary school teaching. Provides study of unit plans, laboratory methods, and student-planned learning exercises.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 832 Educ Statistics & Technology (3 Credits)****Lecture:** 3, **Lab:** 1

EDUCATIONAL STATISTICAL AND INSTRUCTIONAL TECHNOLOGY (3) Introduces state-of-the-art instructional technology and statistical applications.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn

EDCI 833 Technology Teacher Education (3 Credits)**Lecture:** 3

This course will focus on how to facilitate and inspire student learning with use of technology and take a constructive approach to understanding instructional and technology and teacher educations. Three credit hours per week.

College/School: College Of Education**Department:** Dept of Curriculum & Instruction**EDCI 844 Lan Acquisition & Dev (3 Credits)****Lecture:** 3, **Lab:** 0

LANGUAGE ACQUISITION AND CULTURE (3) Analyzes studies of first and second language acquisition theories. Analyzes cultural, cognitive, linguistic, and developmental factors that affect the acquisition of a second language.

College/School: College Of Education**Department:** Dept of Curriculum & Instruction**EDCI 877 Content Read/Study Skills (3 Credits)****Lecture:** 3, **Lab:** 0

CONTENT READING/STUDY SKILLS (3) Prepares participants, in a reading clinic setting, to work with students to develop reading skills appropriate to their maturity, develop therapeutic techniques for retarded readers, and master skills to organize a developmental reading program.

College/School: College Of Education**Department:** Dept of Curriculum & Instruction**EDCI 900 Urban Research Planning (3 Credits)****Lecture:** 3, **Lab:** 0

URBAN RESEARCH, PLANNING (3) Provides student opportunities to direct personal learning experiences in urban environments and to create common essential knowledge about positive changes for urban schools.

College/School: College Of Education**Department:** Dept of Curriculum & Instruction**EDCI 901 Res Plng and Dev in Urban Ed (3 Credits)****Lecture:** 3

RESEARCH, PLANNING AND DEVELOPMENT IN URBAN EDUCATION (3) Stresses significant sociological, psychological, philosophical and educational theories related to improving current educational practice.

College/School: College Of Education**Department:** Dept of Curriculum & Instruction**EDCI 915 Diversity Education (3 Credits)****Lecture:** 3

DIVERSITY EDUCATION (3) Examines philosophies, policies and practices of diversity and how these can be implemented to promote equity and excellence in schools and other entities in a multiethnic society.

College/School: College Of Education**Department:** Dept of Curriculum & Instruction**EDCI 917 Computer Competency (3 Credits)**

COMPUTER COMPETENCY (3) Provides opportunities for students to demonstrate knowledge of basic computer concepts and E-mail, Netscape and the World Wide Web, Library Research, Word Processing, Spread Sheet, and Power Point skills.

College/School: College Of Education**Department:** Dept of Curriculum & Instruction**EDCI 918 Technology Integrations into Doctoral Dissertation (3 Credits)****Lecture:** 3

Integrate current technology into doctoral dissertation writing. APA style, dissertation structure and chapter guide, page format, educational research, research methodology, research proposal, online survey and data collection, and online VITA development. Three credit hours per week.

College/School: College Of Education**Department:** Dept of Curriculum & Instruction**EDCI 920 Curr Res Dev In Urban Schools (3 Credits)****Lecture:** 3, **Lab:** 0

CURRICULUM RESEARCH AND DEVELOPMENT IN URBAN SCHOOL (3) Presents a review of current research related to curricula development for special urban populations. Emphasis is given to research that provides a theoretical base for curriculum development.

College/School: College Of Education**Department:** Dept of Curriculum & Instruction**EDCI 921 Adv Curr Dev (3 Credits)****Lecture:** 3, **Lab:** 0

ADVANCED CURRICULUM DEVELOPMENT (3) Focuses on the scope and sequence of school curricula, correlation of school study, in-service education for instructional staff, and utilizing the community in curriculum development.

College/School: College Of Education**Department:** Dept of Curriculum & Instruction**EDCI 927 Independent Study and Research (3-12 Credits)****Lecture:** 3-12

INDEPENDENT STUDY AND RESEARCH (3) Creates opportunities for doctoral students' active engagement in research problems of personal interest.

College/School: College Of Education**Department:** Dept of Curriculum & Instruction**EDCI 930 Curr. Dev. In Urban Sch. (3 Credits)****Lecture:** 3, **Lab:** 0

CURRICULUM DEVELOPMENT IN URBAN SCHOOLS (3) Focuses on the comprehensive curriculum development process and emphasizes the critical factors in the urban environment that should shape curricula.

College/School: College Of Education**Department:** Dept of Curriculum & Instruction**EDCI 931 Classroom Management (3 Credits)****Lecture:** 3

CLASSROOM MANAGEMENT (3) Presents an analysis of modern techniques for managing the instructional environment with emphases on student-centered and pro-active approaches to preventing classroom and school-wide disruptions.

College/School: College Of Education**Department:** Dept of Curriculum & Instruction**EDCI 932 Urban Tchg Strategies (3 Credits)****Lecture:** 3, **Lab:** 0

URBAN TEACHING STRATEGIES (3) Provides students the opportunity to develop and test a variety of teaching strategies which may be particularly effective and appropriate for the urban learner.

College/School: College Of Education**Department:** Dept of Curriculum & Instruction

EDCI 935 Dev & Mgmt Sch Cur (3 Credits)

CURRICULUM DEVELOPMENT AND MANAGEMENT OF SCHOOL CURRICULUM (3) Focuses on skills needed to apply curriculum design theory to practice in managing learning environments in diverse educational settings.

College/School: College Of Education

Department: Dept of Curriculum & Instructn

EDCI 938 Techniques of Curr Evaluation (3 Credits)

Lecture: 3, **Lab:** 0

TECHNIQUES OF CURRICULUM EVALUATION (3) Presents modern techniques of evaluating school curricula. Specific emphasis on specifying entry criteria and on formative discrepancy, and summative evaluation techniques

College/School: College Of Education

Department: Dept of Curriculum & Instructn

EDCI 939 Models Of Teaching (3 Credits)

Lecture: 3, **Lab:** 0

MODELS OF TEACHING (3) Presents a survey of modern instructional models of teaching with emphasis on information processing, personal, social, and behavior approaches

College/School: College Of Education

Department: Dept of Curriculum & Instructn

EDCI 940 Advanced Curr and Instruction (3 Credits)

Lecture: 3

ADVANCED CURRICULUM AND INSTRUCTION (3) Focuses on the scope and sequence of developing a school curriculum, correlation of school studies, staff development for instructional staff, and utilizing the community for curriculum development

College/School: College Of Education

Department: Dept of Curriculum & Instructn

EDCI 941 Exp Cur Dev & Inst Strat (3 Credits)

THE ANATOMY OF THE DOCTORAL DISSERTATION (3) Provides a basic step-bystep process for conceiving, developing and writing a dissertation and supports the process with related software. Includes models of outstanding dissertations.

College/School: College Of Education

Department: Dept of Curriculum & Instructn

EDCI 942 Cont Prog Prgms & Inst Tech (3 Credits)

Lecture: 3, **Lab:** 0

DIVERSITY EDUCATION (3) Examines philosophies, policies and practices of diversity and how these can be implemented to promote equity and excellence in schools and other entities in a multiethnic society.

College/School: College Of Education

Department: Dept of Curriculum & Instructn

EDCI 944 Curriculum Theory (3 Credits)

Lecture: 3, **Lab:** 0

CURRICULUM THEORY (3) Presents a survey of modern curriculum theories with emphasis on the various philosophies, techniques and sources for determining needs for the total curriculum development process

College/School: College Of Education

Department: Dept of Curriculum & Instructn

EDCI 950 Crnt Trnds in Effec Tch & Lrn (3 Credits)

Lecture: 3

CURRENT TRENDS IN EFFECTIVE TEACHING AND LEARNING (3)

Presents current theories relative to the systemic approach to curriculum development. Emphasis on deductive and inductive approaches to systemic curriculum development

College/School: College Of Education

Department: Dept of Curriculum & Instructn

EDCI 960 Current Trends in Eff Tchg Pra (3 Credits)

Lecture: 3, **Lab:** 0

CURRENT TRENDS IN EFFECTIVE TEACHING PRACTICES (3) Presents current trends on effective teaching practices. Emphases on interactive instruction, technological teaching approaches, cooperative learning, time on task, appropriate feedback, instructional rewards and consequences, and instructional and behavioral expectations.

College/School: College Of Education

Department: Dept of Curriculum & Instructn

EDCI 983 Prep Educators For Urban Schs (3 Credits)

Lecture: 3, **Lab:** 0

PREPARING EDUCATORS FOR URBAN SCHOOLS (3) Explores alternate methods of teacher preparation specifically for urban areas. Topics to be considered: Learner in Urban Settings, Curricula Adoptions, Union Contracts, and School Community Relations.

College/School: College Of Education

Department: Dept of Curriculum & Instructn

EDCI 985 Tech for Individualized Inst (3 Credits)

Lecture: 3, **Lab:** 0

TECHNIQUES FOR INDIVIDUALIZED INSTRUCTION (3) Presents a systemic approach to designing curricula appropriate for advanced graduate students. The course focuses on the development of theoretical frameworks for continuous progress philosophies, missions, goals, objectives, activities, organization designs and evaluation.

College/School: College Of Education

Department: Dept of Curriculum & Instructn

EDCI 995 Practicum In Urban Ed (3 Credits)

Lecture: 3, **Lab:** 0

PRACTICUM IN URBAN EDUCATION (3) Creates opportunities to apply Urban Education theory to urban/inner city problems that impact the education of children and young adults. Urban/inner city schools and other agencies will be used for this practical experience.

College/School: College Of Education

Department: Dept of Curriculum & Instructn

EDCI 996 Ed & The Urban Dilemma (3 Credits)

Lecture: 3, **Lab:** 0

EDUCATION AND THE URBAN DILEMMA (3) Focuses on the educational systems in the city with particular emphasis on the racial, economic, and political dilemmas of schools in the inner-city.

College/School: College Of Education

Department: Dept of Curriculum & Instructn

EDCI 997 Anatomy of the Dissertation (3 Credits)

THE ANATOMY OF THE DOCTORAL DISSERTATION (3) Provides a basic step-by-step process for conceiving, developing and writing a dissertation and supports the process with related software. Includes models of outstanding dissertations

College/School: College Of Education

Department: Dept of Curriculum & Instructn

EDCI 998 Practicum in Curr & Instruct (3 Credits)**Lecture:** 3

PRACTICUM IN CURRICULUM AND INSTRUCTION (3) Creates opportunities to apply curriculum and instruction theory and practice to problems and conditions that impact urban, lower-income students and young adults. Inner-city schools/ communities, district administrative offices and cooperate sectors will be used for this practical experience

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 999 Dissertation (3-12 Credits)****Lecture:** 12, **Lab:** 0

DISSERTATION (3-12) Engages students in an intensive study of a selected and approved topic. (Total: 12 credit hours)

College/School: College Of Education**Department:** Dept of Curriculum & Instructn

Special Education

SPED 552 Intro Ed Of Except Children (3 Credits)**Lecture:** 3, **Lab:** 0

INTRODUCTION TO EDUCATION OF EXCEPTIONAL CHILDREN (3) Examines the historical context of special education and legislation that has changed the course of the field. Also focuses on disability as a socially constructed response to human differences. (Co-requisite: SPED 553.)

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**SPED 553 Psy Found Ed Of Except Chldrn (3 Credits)****Lecture:** 3, **Lab:** 0

PSYCHOLOGICAL FOUNDATIONS IN EDUCATION OF EXCEPTIONAL CHILDREN (3) Provides an orientation to high and low incidence disabilities. Focuses on the characteristics of each disability and issues related to academic and social learning for students with disabilities. (Co-requisite: SPED 552.)

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**SPED 554 Probs Ed Except Children (3 Credits)****Lecture:** 3, **Lab:** 0

PROBLEMS IN EDUCATING EXCEPTIONAL CHILDREN (3) Examines issues related to the importance of collaboration as a mechanism for student learning and success in schools. Focuses on team teaching and collaboration between school personnel, parents and the community.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**SPED 555 Psycho-Ed Diagnosis (3 Credits)****Lecture:** 3, **Lab:** 0**College/School:** College Of Education**Department:** Dept of Curriculum & Instructn**SPED 556 Psycho-Ed Intervention (3 Credits)****Lecture:** 3, **Lab:** 0

PSYCHO-EDUCATION INTERVENTION (3) Explores teaching and assessment strategies to facilitate the participation and learning of students with disabilities in the general education classroom. Includes a focus on differentiation instruction.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**SPED 557 Imp & Eval Diag-Prescrptv Tchg (3 Credits)****Lecture:** 3, **Lab:** 0

IMPLEMENTATION AND EVALUATION: DIAGNOSTIC-PRESCRIPTIVE TEACHING (3) Emphasizes the tools and techniques of positive behavior support for creating classrooms that are inclusive and responsive to student needs.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**SPED 558 Practicum In Special Ed (3 Credits)****Lecture:** 3, **Lab:** 0

PRACTICUM IN EDUCATION (3) Provides opportunities for candidates to integrate theory and practice as they work with students in K-12.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**SPED 559 Research In Special Ed (3 Credits)****Lecture:** 0, **Lab:** 6

RESEARCH IN SPECIAL EDUCATION (3) Provides the basic skills needed to conduct research in special education. Introduces quantitative, qualitative and mixed methods research.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**SPED 600 Individual Projects (3 Credits)****Lecture:** 0, **Lab:** 6

INDIVIDUAL PROJECT (3) Provides students with an opportunity to increase learning outcomes by participating in an independent project to apply and evaluate effective instructional practices for exceptional learners.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn

Reading Education

RDG 574 Fund Of Reading Instruction (3 Credits)**Lecture:** 3, **Lab:** 0

FUNDAMENTALS OF READING INSTRUCTION (3) Presents an overview of the basic concepts in reading, a survey of various programs in today's schools, and an appraisal of materials to meet varying needs of diverse learners.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**RDG 630 Fac Prof Dev Sem (2 Credits)****Lecture:** 2**College/School:** College Of Education**Department:** Dept of Curriculum & Instructn**RDG 732 Prim/Midl School Rdg Instruct (3 Credits)****Lecture:** 3

PRIMARY/MIDDLE SCHOOL READING INSTRUCTION (3) Provides opportunities to study methods, laboratory methods, and student-planned learning exercises and materials for improving the teaching of reading in the primary and middle schools. It explores strategies to promote an appreciation of books, and it addresses instruction for all levels.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn

RDG 873 Issues on Trends in Reading (3 Credits)**Lecture:** 3

ISSUES, PROBLEMS AND TRENDS IN LITERACY (3) Provides an historical and theoretical perspective of reading and writing theory and instruction with an emphasis on literacy in a technological society.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**RDG 874 Diagnostic & Remedial Reading (3 Credits)****Lecture:** 2, **Lab:** 1

DIAGNOSTICS AND REMEDIAL READING INSTRUCTION (3) Presents diagnostic procedures and techniques used in determining the nature and causes of reading difficulties and strategies for planning instruction to meet individual needs.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**RDG 875 Practicum In Reading I (3 Credits)****Lecture:** 3, **Lab:** 0

PRACTICUM IN READING I (3) Creates opportunities for observation and participation in a clinical program of reading. Includes diagnostic testing, remedial teaching and the compiling of clinical records. (Prerequisite: RDG 874 or advisor approval)

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**RDG 877 Content Area Rdg (3 Credits)****Lecture:** 3

CONTENT READING/STUDY SKILLS (3) Prepares participants, in a reading clinic setting, to work with students to develop reading skills appropriate to their maturity, develop therapeutic techniques for retarded readers, and master skills to organize a developmental reading program.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**RDG 888 Practicum In Reading II (3 Credits)****Lecture:** 3, **Lab:** 0

PRACTICUM IN READING II (3) Creates opportunities for observation and participation in a clinical program of reading. Includes diagnostic testing, remedial teaching, compiling clinical records, and parental involvement in the entire process. (Prerequisites: Advisor approval and RDG 874 and RDG 875)

Prerequisite(s): (RDG 874)**College/School:** College Of Education**Department:** Dept of Curriculum & Instructn

Curriculum and Instruction (Bilingual Education Concentration), Master of Education

Summary

Code	Title	Hours
Core Requirements (p. 93)		12
Specialization (p. 93)		18
Research Area (p. 93)		6
Total Hours		36

Core Courses

Code	Title	Hours
Core Courses		
EDCI 531	Classroom Management	3
EDCI 540	Curriculum & Instruction	3
EDCI 551	Multicultural Education	3
EDCI 583	Tech Indiv Instruc	3
Total Hours		12

CONCENTRATION

Code	Title	Hours
EDCI 501	The Bil Cur	3
EDCI 544	Dev English Skills	3
EDCI 606	Lin Fnd of Bil ED	3
EDCI 644	Tch Cont Areas in Span:Rgd/La	3
EDCI 701	App Lin for Bil Clsrn	3
EDCI 844	Lan Acquisition & Dev	3
Total Hours		18

Research Area

Code	Title	Hours
EPSY 831	Educ Statistics	3
EDCI 633	Research	3
or EDFD 633	Research	
Total Hours		6

Curriculum and Instruction (Early Childhood Education Concentration), Master of Education

Summary

Code	Title	Hours
Core Requirements (p. 93)		12
Specialization (p. 93)		18
Research Area (p. 94)		6
Total Hours		36

Core Courses

Code	Title	Hours
Core Courses		
EDCI 531	Classroom Management	3
EDCI 540	Curriculum & Instruction	3
EDCI 551	Multicultural Education	3
EDCI 583	Tech Indiv Instruc	3
Total Hours		12

CONCENTRATION

Code	Title	Hours
EDCI 520	Curr Dev Early Childhood Ed	3
EDCI 521	Creativity In Child Dev	3
EDCI 524	Home Com Partnsp Dev Of Child	3

EDCI 525	Field Experience Practicum	3
EDCI 527	Advanced Fld Exp Prac ECH	3
EDCI 528	Eval & Assess Early Chlhd	3
Total Hours		18

Research Area

Code	Title	Hours
EPSY 831	Educ Statistics	3
EDCI 633	Research	3
or EDFD 633	Research	
Total Hours		6

Curriculum and Instruction (Instructional Technology Concentration), Master of Education

Summary

Code	Title	Hours
Core Requirements (p. 94)		12
Specialization (p. 94)		18
Research Area (p. 94)		6
Total Hours		36

Core Courses

Code	Title	Hours
Core Courses		
EDCI 531	Classroom Management	3
EDCI 540	Curriculum & Instruction	3
EDCI 551	Multicultural Education	3
EDCI 583	Tech Indiv Instruc	3
Total Hours		12

CONCENTRATION

Code	Title	Hours
EDCI 700	Instrutrional Design and Technology	3
EDCI 702	Initregrating Technology Into the Curriculum	3
EDCI 703	Multimedia for the Classroom	3
EDCI 733	Design and Development of Online Educational Resources	3
EDCI 739	Educational Use of Digital Video	3
EDCI 833	Technology Teacher Education	3
Total Hours		18

Research Area

Code	Title	Hours
EPSY 831	Educ Statistics	3
EDCI 633	Research	3
or EDFD 633	Research	
Total Hours		6

Curriculum and Instruction (Reading Education Concentration), Master of Education

Summary

Code	Title	Hours
Core Requirements (p. 94)		9
Specialization (p. 94)		21
Research Area (p. 94)		6
Total Hours		36

Core Courses

Code	Title	Hours
Core Courses		
EDCI 531	Classroom Management	3
EDCI 540	Curriculum & Instruction	3
EDCI 551	Multicultural Education	3
Total Hours		9

CONCENTRATION

Code	Title	Hours
RDG 574	Fund Of Reading Instruction	3
RDG 732	Prim/Midl School Rdg Instruct	3
RDG 873	Issues on Trends in Reading	3
RDG 874	Diagnostic & Remedial Reading	3
RDG 875	Practicum In Reading I	3
RDG 877	Content Area Rdg	3
RDG 888	Practicum In Reading II	3
Total Hours		21

Research Area

Code	Title	Hours
EPSY 831	Educ Statistics	3
EDCI 633	Research	3
or EDFD 633	Research	
Total Hours		6

Curriculum and Instruction (Secondary _____ Concentration), Master of Education

Summary

Code	Title	Hours
Core Requirements (p. 95)		12
Specialization (p. 95)		18
Research Area (p. 95)		6
Total Hours		36

Core Courses

Code	Title	Hours
Core Courses		
EDCI 531	Classroom Management	3
EDCI 540	Curriculum & Instruction	3
EDCI 551	Multicultural Education	3
EDCI 583	Tech Indiv Instruc	3
Total Hours		12

CONCENTRATION

Code	Title	Hours
Courses are listed when concentration is determined.		18
Total Hours		18

Research Area

Code	Title	Hours
EPSY 831	Educ Statistics	3
EDCI 633	Research	3
or EDFD 633	Research	
Total Hours		6

Curriculum and Instruction (Special Education Concentration), Master of Education Summary

Code	Title	Hours
Core Requirements (p. 95)		12
Specialization (p. 95)		18
Research Area (p. 95)		6
Total Hours		36

Core Courses

Code	Title	Hours
Core Courses		
EDCI 531	Classroom Management	3
EDCI 540	Curriculum & Instruction	3
EDCI 551	Multicultural Education	3
EDCI 583	Tech Indiv Instruc	3
Total Hours		12

CONCENTRATION

Code	Title	Hours
SPED 552	Intro Ed Of Except Children	3
SPED 553	Psy Found Ed Of Except Chldrn	3
SPED 554	Probs Ed Except Children	3
SPED 556	Psycho-Ed Intervention	3
SPED 557	Imp & Eval Diag-Prescrtv Tchg	3
SPED 558	Practicum In Special Ed	3
Total Hours		18

Research Area

Code	Title	Hours
EPSY 831	Educ Statistics	3
EDCI 633	Research	3
or EDFD 633	Research	
Total Hours		6

Curriculum and Instruction(Sports Studies Concentration), Doctor of Education

Code	Title	Hours
EDAA 912	Athletic Assessment and Program Evaluation of Athletic Programs	3
EDAA 908	Executive Managing the Process of the Enterprise in Athletic Programs	3
EDAA 916	Leading Change Through Cultural Competence in Athletic Programs	3
EDSL 909	Entrepreneurship Business Design in Sport Organizations	3
EDSL 913	Emotional Intelligence and Leadership in Sport Organizations	3
EDSL 917	Strategic Forecasting and Tactical Planning in Sport Organizations	3

Curriculum and Instruction, Doctor of Education

Doctor of Education Degree Programs

The policies governing admission to the Doctor of Education (Ed.D.) degree program are as follows:

1. Student must apply for admission to the doctoral program through the Graduate School by completing an application and submitting all required documents (including GRE scores).
2. Completed applications are reviewed by the Doctoral Admissions Committee in the
3. major area and the names of applicants recommended for admission are submitted to the Graduate School.
4. Upon approval, the Dean of the Graduate School will notify applicants of the Committee's decision.

The Doctor of Education program in **Curriculum and Instruction** is the advanced professional degree for teachers and instructional specialists who will serve in a variety of settings, including public schools, Department of Education, business industries, and institutions of higher education. The objective of the doctoral concentration in Curriculum and Instruction is the preparation of professionals who are competent in curriculum design and instructional application. The minimum requirement for the doctoral degree is sixty (60) semester credit hours, including six (6) hours of doctoral dissertation. Students without prerequisite credentials must enroll in leveling courses that will not count toward the Ed.D. degree.

The Doctor of Education degree in Curriculum and Instruction is the advanced professional degree for teachers and instructional specialists who will serve in a variety of settings, including federal, regional, state and local education agencies, as well as public schools and institutions

of higher education. Graduates of the Program will be prepared to serve in arenas such as school districts, other educational settings, in government and medical institutions, foundations, and in private practice.

The mission of the doctoral program in Curriculum and Instruction is the preparation of professionals who are competent in curriculum design and instructional application. The Curriculum and Instruction concentration is designed to develop personnel who:

1. Demonstrate a thorough knowledge of existing research in curriculum and instruction;
2. Demonstrate a thorough knowledge of the historical, sociological, psychological and political theories underlying curriculum revision and development;
3. Demonstrate an awareness of how diverse ethnic and cultural backgrounds impact curriculum design and instructional implementation;
4. Demonstrate facility in planning, developing, implementing, and evaluating curriculum;
5. Demonstrate effective and efficient knowledge of instructional techniques and teaching models;
6. Demonstrate a thorough knowledge of the statistical tools necessary for research;
7. Develop a comprehensive research project, utilizing statistical tools, research methods, and theory related to curriculum and instruction.

Program of Study

The program of study requires a minimum of sixty (60) semester hour credits beyond the master's degree. The curriculum includes 18 semester credit hours foundation courses; 18 semester credit hours the major area and 18 semester credit hours of a selected concentration that must be in the same area, for a total of 54 semester credit hours; and dissertation (6 hours). All students are required to complete a residency of 18 semester credit hours. Twelve (12) semester credit hours must be completed after being admitted to candidacy.

Students can satisfy the 18-semester credit hour residency requirements for the Ed. D. Degree in one of several ways. Plans A-C is designed for students who work full-time as they earn the doctorate degree. Plan A requires: that students earn the 18 hours during consecutive fall, spring and summer sessions, earning six (6) semester hours each session. Plan B requires that students earn the 18 hours during consecutive spring, summer and fall sessions, earning six (6) semester hours each session. Plan C requires that students earn the 18 hours during consecutive summer, fall, and spring sessions, earning six (6) semester hours each session. Plan D, designed for full-time students, requires that students earn the 18 hours during any two consecutive sessions. The combinations include fall, spring and summer sessions.

Admission Requirements

The criteria for admission to the Doctor of Education degree program are:

Unconditional Admission—The applicant must submit a Graduate Record Examination (GRE) score (combined verbal and quantitative; writing score) that will be used in conjunction with the applicant's socioeconomic profile and the Masters grade point average to determine admission.

Non-negotiable Areas

In addition, the applicant must meet all of the following requirements:

1. Have an earned master's degree or its equivalent in a degree program with a grade point average of at least 3.25 ("B+") from an accredited institution of higher education.
2. Hold or earn, before completing the program, a teaching or administrative certificate, unless the area in which the individual specializes does not require certification.
3. Have a minimum of two (2) years of successful professional experience in teaching, administration, supervision, counseling or other career service, for example, personnel in business and industry, counselor, etc.
4. Submit recommendations from at least three persons including two (2) college faculty members in the applicant's most recent academic program and at least one (1) immediate supervisor of the applicant's professional work.
5. Demonstrate acceptable proficiency in the use of the English language based upon performance on a standardized English Proficiency Test. (Performance on the Verbal portion of the GRE may be considered as adequate by the Doctoral Admission Committee).
6. Have a personal interview with the department head and faculty in the area of the planned concentration.
7. Make a score of at least 79 on the TOEFL or IELTS (iBT) = 6.0 (if not from an English speaking country). The following are some factors that may be included in the socioeconomic profile used in the admission process.
 - a. Economic status of family when applicant attended elementary, secondary, and undergraduate school.
 - b. Applicant's status of first-generation to attend undergraduate school.
 - c. Applicant's status of first-generation to attend graduate or professional school.
 - d. Applicant is multilingual.
 - e. Applicant's employment while attending undergraduate school.
 - f. Applicant's role in helping rear other children in family.
 - g. Applicant's geographic residence in Texas at time of application.
 - h. Geographic region of applicant's high school.
 - i. Applicant's demonstration of performance in community activities.
 - j. Applicant's demonstration of commitment to a particular field of study.
 - k. The presence or absence of role models with comparable graduate school training in the applicant's region of residence.
 - l. The applicant's performance during a personal interview.
8. Other criteria specified in H.B. 1641 will be considered.

Conditional Admission - The applicant must submit a Graduate Record Examination (GRE) score (combined verbal and quantitative) that will be used in conjunction with the applicant's socioeconomic profile and the Master's grade point average to determine admission to graduate programs. Failed to acquire at least a 3.5 on the Writing section of the GRE.

Additional Items Needed to be Considered

Writing Sample: Applicant will submit a handwritten writing sample that must be 300-600 words; and score 3.5 on the analytical writing section of the GRE. **Interview:** Applicant will be interviewed by members of the COE Admissions Committee. **Oral Presentation:** Applicant will be required to orally present a piece of work to the COE Admissions Committee.

The Curriculum and Instruction program accepts students with a Master's Degree and a teaching certificate, and/or a Master's program in natural science, education or behavioral sciences. The program requires:

- a combined verbal/quantitative score of at least 700 and
- at least 3.5 on the writing section of the Graduate Record Examination;
- competency in a foreign language will also be considered (written, spoken and comprehension);
- three letters of recommendation from employers and/or professors and
- at least a 3.25 GPA in Master's level work.

Applicants must be interviewed by the Doctoral Admission Committee, and write an essay on a topic in the applicant's major field of study and/or on an urban societal issue. An application will also be enhanced by a recommendation from a graduate faculty member and a commitment to mentor the student through program completion.

Persons interested in applying for the doctoral program in Curriculum and Instruction should submit an application to the Graduate School, along with GRE scores, transcripts from all colleges/universities attended, and recommendations. All Graduate School requirements will be observed.

Students without prerequisite credentials must enroll in leveling courses that will not count toward the Ed.D. degree.

Summary

Code	Title	Hours
	Core Curriculum Requirements (p. 97)	18
	Foundation Core Requirements (p. 97)	18
	Concentration Curriculum Studies (p. 97)	18
	Dissertation (p. 97)	6
Total Hours		60

Core Curriculum Requirements

Code	Title	Hours
EDCI 915	Diversity Education	3
EDCI 920	Curr Res Dev In Urban Schools	3
EDCI 921	Adv Curr Dev	3
EDCI 938	Techniques of Curr Evaluation	3
EDCI 939	Models Of Teaching	3
EDCI 944	Curriculum Theory	3
Total Hours		18

Foundation Core Requirements

Code	Title	Hours
EDFD 902	Theoretical Fdtns Of Ed	3
EDFD 903	Nature Methodology Ed Res	3
EDFD 905	Nature Meth Ed Res	3
EDFD 931	Ed Res Corr Stat Methods	3
EDFD 932	Ed Res Sig Tests Stat Methods	3
EDFD 997	Research Seminar	3
Total Hours		18

Curriculum Studies Concentration

Code	Title	Hours
EDCI 917	Computer Competency	3
EDCI 927	Independent Study and Research	3
EDCI 930	Curr. Dev. In Urban Sch.	3
EDCI 960	Current Trends in Eff Tchg Pra	3
EDCI 985	Tech for Individualized Inst	3
EDCI 998	Practicum in Curr & Instruct	3
Total Hours		18

Dissertation

Code	Title	Hours
EDCI 999	Dissertation	6
Practicum		
EDCI 995	Practicum In Urban Ed	3
EDCI 998	Practicum in Curr & Instruct	3
Research		
EDCI 920	Curr Res Dev In Urban Schools	3
Total Hours		15

An advisor is assigned when the student is admitted to the program. Students are urged to meet with assigned advisors at least once each semester.

Department of Educational Administration and Foundations

Program Overview

Our Mission

The mission of the Department of Educational Administration and Foundations is to prepare individuals who are competent, caring, committed and culturally responsive educators possessing a strong awareness of their responsibility to organize, lead and manage efficient and effective educational institutions. The Department of Educational Administration and Foundations offers two online Master's degrees in Educational Administration, one with the Principal's certificate and one without. For those seeking leadership in higher education, the Department offers a Master's of Educational Administration in Human Resources and Higher Education. Additionally, we offer a preparation program for candidates seeking principal or superintendent certification only. The Department's courses align with the new Principal and Superintendent Standards for the State of Texas.

Programmatic emphasis is placed on the development of competent professional educators who have a fundamental understanding of educational theory, educational research, educational philosophy and contemporary educational techniques and methods. Emphasis is also placed on helping the student learn how to integrate these elements into a sound educational program. Effective leadership cannot be exercised without a thorough understanding of basic educational principles and knowledge of current educational trends. In keeping with the thrust and setting of the University, great effort is made to prepare individuals who are flexible and can effectively serve all children in society. The development of quality professional educators who are

knowledgeable and who can provide creative leadership in the various areas of education is the fundamental goal of the Department.

The online Masters in Educational Administration degree program prepares individuals who have a strong awareness of their responsibility to serve the public and to carry on educational programs that meet the needs and interests of those they serve. Classes for the Master's Degree in Educational Administration and related certificate programs will include a concentration of study in school administration, instructional leadership, school law, fiscal responsibility, the organization and management of schools and internships. The programs are designed to prepare candidates for positions of leadership in varied educational settings. As a special purpose institution, our department is a preeminent producer of educational leaders working in K-12 schools and universities. We are nationally recognized by the excellence of our programs, the quality of our instruction, our innovative research and creative activities, and our commitment to be a contributing partner to our community, state, nation, and world.

The objective of the M.Ed. degree program in Human Resources and Higher Education at Texas Southern University (TSU) is to prepare students for advanced academic careers at the college or university level. The program takes an integrated approach to the interactions between human resources and higher education; however, students will be allowed to place emphasis more specifically on the concentration of their choice. Admission standards will be the same as the current M.Ed. program.

Program Objectives

The programs in educational administration are designed to develop competent, caring, committed and culturally responsive educators and individuals who meet stated competencies:

- Knowledge of shaping campus culture and implementation of issues that are shared by the community
- Knowledge of communication, collaboration, and mobilization of resources
- Ability to act with integrity and fairness in an ethical manner
- Knowledge of designing and implementation of curriculum
- Ability to care, nurture and develop instructional programs that are conducive to learners
- Ability to implement staff evaluation
- Ability to make decisions and problem solve to ensure an effective learning environment
- Ability to apply effective leadership to develop and manage campus budget and resource utilization
- Ability to manage campus physical plant and support systems to ensure safety and effective learning
- Educational Administration (Community College Leadership Concentration), Doctor of Education (p. 103)
- Educational Administration (Higher Education Administration Concentration), Doctor of Education (p. 105)
- Educational Administration (Human Resources and Higher Education Concentration), Master of Education (p. 108)
- Educational Administration with no Certification, Master of Education (p. 108)
- Educational Administration with Principal Certification, Master of Education (p. 109)
- Educational Administration, Doctor of Education (p. 110)

- Professional Principal Certification (p. 112)
- Superintendent Certification (p. 114)

EDAS 532 School & Public Relation (3 Credits)

Lecture: 2, **Lab:** 1

THE SCHOOL AND PUBLIC RELATIONS (3) Leadership in shaping the campus culture by facilitating the development, articulation, implementation and stewardship of a vision of learning shared and supported by the school community.

College/School: College Of Education

Department: Dept of EducAdmin/Found

EDAS 534 Principal As A Supervisor (3 Credits)

Lecture: 3, **Lab:** 0

THE PRINCIPAL AS A SUPERVISOR (3) Instructional leadership using a positive school culture, organizational practices; student academic success through instructional improvement and research based strategies with multiple opportunities to learn.

College/School: College Of Education

Department: Dept of EducAdmin/Found

EDAS 537 Principles Of Educ Administrat (3 Credits)

Lecture: 2, **Lab:** 1

PRINCIPLES OF EDUCATIONAL ADMINISTRATION (3) Overview of the nine state competencies addressing school and community, communication, mobilizing resources and legal practices with emphasis on the code of ethics.

College/School: College Of Education

Department: Dept of EducAdmin/Found

EDAS 541 Curr Planning & Development (3 Credits)

Lecture: 3, **Lab:** 0

ADMINISTRATION AND SUPERVISION OF CURRICULUM AND INSTRUCTION (3) Leadership for program development and implementation, strategic plans enhancing teaching and learning, curriculum alignment, resources, assessments and other means ensuring student success.

College/School: College Of Education

Department: Dept of EducAdmin/Found

EDAS 634 School Finance (3 Credits)

Lecture: 3, **Lab:** 0

FINANCE AND ECONOMICS OF PUBLIC EDUCATION (3) Current local, state and federal funding patterns and emerging alternatives. Money as a factor in equal educational opportunity. Economic value of education in American Society.

College/School: College Of Education

Department: Dept of EducAdmin/Found

EDAS 636 Law In Human Resources (3 Credits)

Lecture: 3

College/School: College Of Education

Department: Dept of EducAdmin/Found

EDAS 637 Budgeting (3 Credits)

Lecture: 3

College/School: College Of Education

Department: Dept of EducAdmin/Found

EDAS 651 Human Resources Management (3 Credits)

Lecture: 3

College/School: College Of Education

Department: Dept of EducAdmin/Found

EDAS 674 Prin of Instru Leadership (3 Credits)**Lecture:** 3, **Lab:** 0

PRINCIPLES OF SUPERVISION (3) History, philosophy and purposes of school supervision. Roles, qualifications, skills, responsibilities and personal characteristics of supervisors. Strategies for curriculum development, program improvement and staff growth. School supervision, qualifications, skills and responsibilities using sound research-based instructional strategies, decision-making, programs and services, which meet individual student needs.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 675 Leadership & Management of Ins (3 Credits)****Lecture:** 3

TECHNIQUES OF SUPERVISION (3) Instructional supervision to sustain a positive campus culture; that includes the marginal teacher while promoting student achievement through staff development which meets individual student needs.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 678 Training & Professional Dev (3 Credits)****Lecture:** 3**College/School:** College Of Education**Department:** Dept of EducAdmin/Found**EDAS 679 Career Development (3 Credits)****Lecture:** 3**College/School:** College Of Education**Department:** Dept of EducAdmin/Found**EDAS 680 Seminar in Human Resources (3 Credits)****Lab:** 3**College/School:** College Of Education**Department:** Dept of EducAdmin/Found**EDAS 682 HR & Performance MGMT (3 Credits)****Lecture:** 3**College/School:** College Of Education**Department:** Dept of EducAdmin/Found**EDAS 734 Superv Elem School Curriculum (3 Credits)****Lecture:** 3, **Lab:** 0

SUPERVISION OF ELEMENTARY SCHOOL CURRICULUM (3) Knowledge and skills of promoting the success of all students by facilitating the design and implementation of curriculum alignment, resources, and professional development opportunities for teaching and learning.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 735 Super High School Curriculum (3 Credits)****Lecture:** 3, **Lab:** 0

SUPERVISION OF THE HIGH SCHOOL CURRICULUM (3) Problems of departmentalized organization staffing, evaluation, and materials for middle and high schools. Special emphasis on programs designed to help urban students graduate.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 736 Seminar In School Problems (3 Credits)****Lecture:** 3, **Lab:** 0

SEMINAR IN SCHOOL PROBLEMS (3) Research analysis and discussion of current issues and constraints in school administration. Problems identified and discussed will address the three domains and nine competencies.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 770 The Superintendency (3 Credits)****Lecture:** 3, **Lab:** 0

THE SUPERINTENDENCY (3) Superintendent's role and function: promoting academic success for all students, mobilizing community resources, and implementing a vision for learning supported by all diverse entities.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 780 Problems in Administration (3 Credits)****Lecture:** 3, **Lab:** 0

PROBLEMS IN EDUCATIONAL ADMINISTRATION (3) Identification of current problems facing campus administrators regarding the campus community, culture, student success factors, learning differences, multicultural awareness, gender sensitivity and ethnic appreciation.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 781 Internship I (3,6 Credits)****Lecture:** 0, **Lab:** 12

Internship I (3) Practical experiences in a school setting under the direction of a university professor and practicing administrator.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 782 Internship II (3,6 Credits)****Lecture:** 0, **Lab:** 12

Internship II (3) Field based experiences with the requirement of an action research component with an approved proposal and completion.

Prerequisite(s): EDAS 781**College/School:** College Of Education**Department:** Dept of EducAdmin/Found**EDAS 783 Internship-Human Resources (3 Credits)****Lecture:** 3**College/School:** College Of Education**Department:** Dept of EducAdmin/Found**EDAS 788 Superintendent Internship (3 Credits)****Lecture:** 3

Superintendent Internship (3) Collaboratively planned field based experiences incorporating specific skills, knowledge and beliefs, addressing the superintendent standards under the co-direction of practicing superintendents/assistant superintendents.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 800 Schl Org, Leadership & Mgmt (3 Credits)****Lecture:** 3, **Lab:** 0

Organization and Leadership and Management (3) Basic leadership and organizational structure for managing educational systems while acquiring the necessary resources for a safe, efficient, and effective learning environment.

College/School: College Of Education**Department:** Dept of EducAdmin/Found

EDAS 834 Adv Topics Sch Finance (3 Credits)**Lecture:** 3, **Lab:** 0

Advanced Topics in School Finance (3) Problems of educational finance, practice, federal-state-local relations in budgeting, working collaboratively with campus administrators in determining needs, goals, and resources to support student success.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 835 Sch Plant Plng & Mgt (3 Credits)****Lecture:** 3, **Lab:** 0

School Plant Planning and Management (3) Schoolhouse construction and renovation using educational specifications, bidding, dedication, energy conservation, operations and maintenance.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 836 School Law (3 Credits)****Lecture:** 3, **Lab:** 0

School Law (3) Constitutional, statutory and judicial aspects of the law affecting school boards, administrators, teachers, parents, and pupils. Knowledge of basic legislative, legal and judicial processes promoting student success.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 841 Group Proc in Edu Prob Solving (3 Credits)****Lecture:** 3, **Lab:** 0

Group Processes in Educational Problem Solving (3) Behavioral research, group dynamics and democratic processes using school centered issues focusing on the success of all students.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 842 Externship (3 Credits)****Lecture:** 3, **Lab:** 0

Externship (3) Seminar designed to provide hands-on tasks related to the standards and other related TExES materials regarding the leadership role of the principal.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 846 Cmptr Tech In Ed Admin (3 Credits)****Lecture:** 3, **Lab:** 0

Computer Technology in Educational Administration (3) Application of computer skills in addressing issues pertinent to the role of the school administrator regarding curriculum application and office management.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 850 Leadership & Campus Culture (3 Credits)****Lecture:** 3, **Lab:** 0

Leadership and Campus Culture (3) The principal's responsibility for utilizing effective school leadership in shaping the school/community learning vision, campus culture and responding to diverse needs of all populations.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 856 Restorative Discipline (3 Credits)**

This course provides an introduction and exposure to the principles of restorative discipline and its application to the treatment of students for "breaking classroom and school rules." The framework of the course is, in part, based on social work values and the ethical decision-making process.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 876 Fundamentals of Athletic Administration (3 Credits)****Lecture:** 3

This course provides an overview of athletic administration and introduces the philosophy of the role of athletics in education. The course examines fundamentals of administration of athletic programs and educates athletic administrators regarding potential risks and possible solutions in athletics. 3 credit hour course.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 880 Human Resources Lead & Mgmt (3 Credits)****Lecture:** 3, **Lab:** 0

Human Resources Leadership and Management (3) Knowledge of recruitment, selection, placement, training, evaluation and development systems of personnel, and maintenance system of records for staff and pupils.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 900 Ed Policy Development (3 Credits)****Lecture:** 3, **Lab:** 0

EDUCATIONAL POLICY DEVELOPMENT (3) Provides an understanding of how educational policy is developed and implemented, and an awareness that factors and mechanics involved, address the needs of a pluralistic society.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 933 Systems Mgmt Of Schools (3 Credits)****Lecture:** 3, **Lab:** 0

SYSTEMS MANAGEMENT OF SCHOOLS (3) In-depth study of the system approach to decision-making in education focusing on problems related to design, implementation and evaluation.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 934 Educational Finance (4 Credits)****Lecture:** 3, **Lab:** 0**College/School:** College Of Education**Department:** Dept of EducAdmin/Found**EDAS 935 Sch Admin Hierarchy (3 Credits)****Lecture:** 3, **Lab:** 0

SCHOOL ADMINISTRATIVE HIERARCHY (3) Survey course that examines role, function, duties, and responsibilities of school leaders at varying levels in governance and administration of school programs.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 936 Doc Sem School Law (3 Credits)****Lecture:** 3, **Lab:** 0

DOCTORAL SEMINAR IN SCHOOL LAW (3) Study of laws as they relate to administrators, teachers, pupils, authority of local and state officials, property finance, and liability of school districts with emphasis on laws relating to urban education.

College/School: College Of Education**Department:** Dept of EducAdmin/Found

EDAS 939 Plng Ed Change (3 Credits)**Lecture:** 3, **Lab:** 0

PLANNING FOR EDUCATIONAL CHANGE (3) Study of planning process and implementation of change, particularly as it reflects on the urban community.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 950 Schools & The Community (3 Credits)****Lecture:** 3, **Lab:** 0

SCHOOLS AND THE COMMUNITY (3) Study of schools and their relationship with a pluralistic community. Emphasizes techniques to encourage involvement of all groups.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 951 Professional Negotiations (4 Credits)****Lecture:** 3, **Lab:** 0**College/School:** College Of Education**Department:** Dept of EducAdmin/Found**EDAS 953 Evaluation Of Schools (3 Credits)****Lecture:** 3, **Lab:** 0

EVALUATION OF SCHOOLS (3) Emphasizes techniques for evaluating secondary and elementary schools. Studies criteria of the Southern Association of Colleges and Schools and the Texas Education Agency.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 955 Org & Admin Theory (3 Credits)****Lecture:** 3, **Lab:** 0

ORGANIZATION AND ADMINISTRATION THEORY (3) Review and analysis of important trends in behavioral, human relations, scientific and systems theory in the organization and management of schools.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 961 Ind Studies In Ed Admin (3-6 Credits)****Lecture:** 3, **Lab:** 0

INDEPENDENT STUDIES IN EDUCATIONAL ADMINISTRATION (1 6)

Independent study or research on issues of education in an urban setting. (May be repeated).

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 963 Educational Finance (3 Credits)****Lecture:** 3, **Lab:** 0**College/School:** College Of Education**Department:** Dept of EducAdmin/Found**EDAS 965 Internship in Superintendency (3 Credits)****Lecture:** 0, **Lab:** 0**College/School:** College Of Education**Department:** Dept of EducAdmin/Found**EDAS 970 Advanced Superintendency (3 Credits)****Lecture:** 0, **Lab:** 3**College/School:** College Of Education**Department:** Dept of EducAdmin/Found**EDAS 973 Leadership Seminar (3 Credits)****Lecture:** 3, **Lab:** 0

LEADERSHIP SEMINAR (3) Examines leadership concepts and research findings as they relate to the urban community.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 976 Advanced Concepts of Athletic Administration (3 Credits)****Lecture:** 3

This course provides an in depth view of athletic administration and examines the philosophy of the role athletics in education. The course examines advanced concepts of administration of athletic programs and educates athletic administrators regarding potential risks and possible solutions in athletics. 3 credit hours.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 978 Doctoral Internship (3-9 Credits)****Lecture:** 0, **Lab:** 18

DOCTORAL INTERNSHIP (6) Application of doctoral studies in practice supervised by field administrator and/or University faculty member. Related seminars.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 985 Seminar In Supervision (3 Credits)****Lecture:** 3, **Lab:** 0

SEMINAR IN SUPERVISION (3) Discussion of theory and research in resolving current issues of curriculum content, instructional techniques, and staff development including an assessment of the impact of these on the urban, inner-city students.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 988 Adv Sem In Ed Admin (3 Credits)****Lecture:** 3, **Lab:** 0

ADVANCED SEMINAR IN EDUCATIONAL ADMINISTRATION (3)

Application of theoretical concepts from administration related fields which are applicable to urban settings.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 998 Doc Colloq Ed Admin (3 Credits)****Lecture:** 3, **Lab:** 0

DOCTORAL COLLOQUIUM IN EDUCATIONAL ADMINISTRATION (3)

Colloquium on special topics in educational administration. May be repeated to a maximum of six (6) semester credit hours.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 999 Dissertation (3-12 Credits)****Lecture:** 12, **Lab:** 0

DOCTORAL DISSERTATION (6) Thorough study and analysis of in-depth topics in Educational Administration.

College/School: College Of Education**Department:** Dept of EducAdmin/Found

Foundation Courses, EDFD

EDFD 576 His Black Ed In America (3 Credits)**Lecture:** 3, **Lab:** 0

African-American Education (3) Traces the education of black people in America from their arrival from Africa to the present.

College/School: College Of Education**Department:** Dept of EducAdmin/Found

EDFD 581 Foundations Of Education (3 Credits)**Lecture:** 3, **Lab:** 0

Foundations of Education (3) Deals with the sociological, economic, philosophical and historical foundations of American education. Reports and research papers provide opportunities for individual exploration of special interests.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDFD 633 Research (3 Credits)****Lecture:** 3, **Lab:** 0**Prerequisite(s):** EPSY 831**College/School:** College Of Education**Department:** Dept of EducAdmin/Found

Education Psychology, EPSY

EPSY 831 Educ Statistics (3 Credits)**Lecture:** 3, **Lab:** 0

EDUCATION STATISTICS (3) Basic introduction to descriptive and beginning inferential statistical techniques. Consideration given to the handling of statistical data with view toward developing an ability to understand the research literature.

College/School: College Of Education**Department:** Dept of EducAdmin/Found

Master Level Higher Education, EDHI

EDAS 636 Law In Human Resources (3 Credits)**Lecture:** 3**College/School:** College Of Education**Department:** Dept of EducAdmin/Found**EDAS 637 Budgeting (3 Credits)****Lecture:** 3**College/School:** College Of Education**Department:** Dept of EducAdmin/Found**EDAS 651 Human Resources Management (3 Credits)****Lecture:** 3**College/School:** College Of Education**Department:** Dept of EducAdmin/Found**EDAS 678 Training & Professional Dev (3 Credits)****Lecture:** 3**College/School:** College Of Education**Department:** Dept of EducAdmin/Found**EDAS 679 Career Development (3 Credits)****Lecture:** 3**College/School:** College Of Education**Department:** Dept of EducAdmin/Found**EDAS 680 Seminar in Human Resources (3 Credits)****Lab:** 3**College/School:** College Of Education**Department:** Dept of EducAdmin/Found**EDAS 682 HR & Performance MGMT (3 Credits)****Lecture:** 3**College/School:** College Of Education**Department:** Dept of EducAdmin/Found**EDAS 783 Internship-Human Resources (3 Credits)****Lecture:** 3**College/School:** College Of Education**Department:** Dept of EducAdmin/Found**EDHI 733 Intro to Higher Education (3 Credits)****Lecture:** 3**College/School:** College Of Education**Department:** Dept of EducAdmin/Found**EDHI 734 Seminar in Strategic Planning (3 Credits)****Lecture:** 3**College/School:** College Of Education**Department:** Dept of EducAdmin/Found**EDHI 744 Budgeting/Resource Allocation (3 Credits)****Lab:** 3**College/School:** College Of Education**Department:** Dept of EducAdmin/Found**EDHI 748 Org & Admin of Higher Edu (3 Credits)****Lecture:** 3**College/School:** College Of Education**Department:** Dept of EducAdmin/Found**EDHI 750 Higher Education & The Law (3 Credits)****Lecture:** 3**College/School:** College Of Education**Department:** Dept of EducAdmin/Found**EDHI 771 Student Development Services (3 Credits)****Lecture:** 3**College/School:** College Of Education**Department:** Dept of EducAdmin/Found

Doctoral LEVEL HIGHER EDUCATION, EDHI

EDHI 933 Intro To Study Of Higher Ed (3 Credits)

Lecture: 3, Lab: 0

INTRODUCTION STUDY OF HIGHER EDUCATION (3) A critical examination of the American system of higher education, its origin, characteristics, with particular attention to financing, organization, and administration of colleges and universities.

College/School: College Of Education

Department: Dept of EducAdmin/Found

EDHI 934 Admin And Organ Commun College (3 Credits)

Lecture: 3, Lab: 0

ADMINISTRATION AND ORGANIZATION OF THE COMMUNITY COLLEGE (3) A study of the community college movement in the United States, its historical development, aims, philosophical issues, present scope and trends, rational and unique role.

College/School: College Of Education

Department: Dept of EducAdmin/Found

EDHI 937 Financing Of Higher Ed (3 Credits)

Lecture: 3, Lab: 0

THE FINANCING OF HIGHER EDUCATION (3) The financing of institutions of higher education, sources of income, budgeting procedures, funding and control.

College/School: College Of Education

Department: Dept of EducAdmin/Found

EDHI 938 Curriculum Devt Comm College (3 Credits)

Lecture: 3, Lab: 0

CURRICULUM DEVELOPMENT IN THE COMMUNITY COLLEGE (3) Provides relevant curriculum for the clientele of the community college. Particular attention to the diverse nature of the students and the relationship of the curricular components to each other.

College/School: College Of Education

Department: Dept of EducAdmin/Found

EDHI 939 Sem In Adm Of Higher Ed (3 Credits)

Lecture: 3, Lab: 0

SEMINAR IN THE ADMINISTRATION OF HIGHER EDUCATION (3) Administrative functions in higher education will serve as the basis for extended examination of administrative theory, leadership technique, group dynamics, and campus governance.

College/School: College Of Education

Department: Dept of EducAdmin/Found

EDHI 942 Sem Governance Of Higher Ed (3 Credits)

Lecture: 3, Lab: 0

SEMINAR IN THE GOVERNANCE OF HIGHER EDUCATION (3) Analysis of current practices and issues of higher education. Emphasis on community junior colleges. (Prerequisite: Instructor's consent).

College/School: College Of Education

Department: Dept of EducAdmin/Found

EDHI 944 Resour Allocatin In Higher Ed (3 Credits)

Lecture: 3, Lab: 0

RESOURCE ALLOCATIONS IN HIGHER EDUCATION (3) Concepts and practices in academic planning and program budgeting. Course work includes opportunities for discussion with guest lecturers in the field. (Prerequisite: Instructor's consent).

College/School: College Of Education

Department: Dept of EducAdmin/Found

EDHI 945 Sem Current Prob In Higher Ed (3 Credits)

Lecture: 3, Lab: 0

SEMINAR IN CURRENT PROBLEMS IN HIGHER EDUCATION (3) Analysis of specific current issues in areas other than governance. (Prerequisite:

Educational Administration (Community College Leadership Concentration), Doctor of Education Doctor of Education Degree Programs

The policies governing admission to the Doctor of Education (Ed.D.) degree program are as follows:

1. Student must apply for admission to the doctoral program through the Graduate School by completing an application and submitting all required documents (including GRE scores).
2. Completed applications are reviewed by the Doctoral Admissions Committee in the
3. major area and the names of applicants recommended for admission are submitted to the Graduate School.
4. Upon approval, the Dean of the Graduate School will notify applicants of the Committee's decision.

The **Department of Educational Administration and Foundations** offers a program concentration leading to the Doctor of Education Degree in Educational Administration in the areas of Educational Administration (K-12), Higher Education Administration and Community College Administration.

Educational Administration encompasses knowledge and skills from entities which either provide, regulate, or affect the formalized educational efforts of society. Thus, innovative, flexible approaches utilizing courses, seminars, field experiences, research projects, and other educational media are used to provide the technical, conceptual, and human skills required of educational leaders.

Under the direction of the student's doctoral advisory committee, course plans are developed to meet individual needs, backgrounds, and future goals of each student.

Field experience opportunities are available to help students relate academic and theoretical work to the issues and concerns of administrative practices.

General Requirements

In addition to meeting the requirements for the Doctor of Education Degree as set forth in this bulletin, students majoring in Educational Administration shall:

1. Submit to the Graduate School an application for admissions to the department on forms provided by the Graduate School.
2. Meet the requirements of the Department's Doctoral Screening Committee.
3. Organize, with the approval of the Department Chairperson, a doctoral committee for advisement. The chairperson shall be from the Department of Educational Administration and Foundations.
4. File an approved course plan with the doctoral advisor and the Graduate School Office.
5. Complete a doctoral internship approved by the student's committee (if required).

Specific Requirements

Specific requirements will be determined by the student's doctoral advisor consistent with the requirements of the Graduate School and of the Department.

Admission Requirements

The criteria for admission to the Doctor of Education degree program are:

Unconditional Admission—The applicant must submit a Graduate Record Examination (GRE) score (combined verbal and quantitative; writing score) that will be used in conjunction with the applicant's socioeconomic profile and the Masters grade point average to determine admission.

Non-negotiable Areas

In addition, the applicant must meet all of the following requirements:

1. Have an earned master's degree or its equivalent in a degree program with a grade point average of at least 3.25 ("B+") from an accredited institution of higher education.
2. Hold or earn, before completing the program, a teaching or administrative certificate, unless the area in which the individual specializes does not require certification.
3. Have a minimum of two (2) years of successful professional experience in teaching, administration, supervision, counseling or other career service, for example, personnel in business and industry, counselor, etc.
4. Submit recommendations from at least three persons including two (2) college faculty members in the applicant's most recent academic program and at least one (1) immediate supervisor of the applicant's professional work.
5. Demonstrate acceptable proficiency in the use of the English language based upon performance on a standardized English Proficiency Test. (Performance on the Verbal portion of the GRE may be considered as adequate by the Doctoral Admission Committee).
6. Have a personal interview with the department head and faculty in the area of the planned concentration.
7. Make a score of at least 79 on the TOEFL or IELTS (iBT) = 6.0 (if not from an English speaking country). The following are some factors that may be included in the socioeconomic profile used in the admission process.
 - a. Economic status of family when applicant attended elementary, secondary, and undergraduate school.
 - b. Applicant's status of first-generation to attend undergraduate school.
 - c. Applicant's status of first-generation to attend graduate or professional school.
 - d. Applicant is multilingual.
 - e. Applicant's employment while attending undergraduate school.
 - f. Applicant's role in helping rear other children in family.
 - g. Applicant's geographic residence in Texas at time of application.
 - h. Geographic region of applicant's high school.
 - i. Applicant's demonstration of performance in community activities.
 - j. Applicant's demonstration of commitment to a particular field of study.

- k. The presence or absence of role models with comparable graduate school training in the applicant's region of residence.
- l. The applicant's performance during a personal interview.
8. Other criteria specified in H.B. 1641 will be considered.

Conditional Admission - The applicant must submit a Graduate Record Examination (GRE) score (combined verbal and quantitative) that will be used in conjunction with the applicant's socioeconomic profile and the Master's grade point average to determine admission to graduate programs. Failed to acquire at least a 3.5 on the Writing section of the GRE.

Additional Items Needed to be Considered

Writing Sample: Applicant will submit a handwritten writing sample that must be 300-600 words; and score 3.5 on the analytical writing section of the GRE. Interview: Applicant will be interviewed by members of the COE Admissions Committee. Oral Presentation: Applicant will be required to orally present a piece of work to the COE Admissions Committee.

Admission Requirements

The criteria for admission to the Doctor of Education degree program are:

Unconditional Admission—The applicant must submit a Graduate Record Examination (GRE) score (combined verbal and quantitative; writing score) that will be used in conjunction with the applicant's socioeconomic profile and the Masters grade point average to determine admission. The GRE examination cannot be older than 5 years.

Non-negotiable Areas

In addition, the applicant must meet all of the following requirements:

1. Have an earned master's degree or its equivalent in a degree program with a grade point average of at least 3.25 ("B+") from an accredited institution of higher education.
2. Hold or earn, before completing the program, a teaching or administrative certificate, unless the area in which the individual specializes does not require certification.
3. Have a minimum of two (2) years of successful professional experience in teaching, administration, supervision, counseling or other career service, for example, personnel in business and industry, counselor, etc.
4. Submit recommendations from at least three persons including two (2) college faculty members in the applicant's most recent academic program and at least one (1) immediate supervisor of the applicant's professional work.
5. Demonstrate acceptable proficiency in the use of the English language based upon performance on a standardized English Proficiency Test. (Performance on the Verbal portion of the GRE may be considered as adequate by the Doctoral Admission Committee).
6. Have a personal interview with the department head and faculty in the area of the planned concentration.
7. Make a score of at least 79 on the TOEFL or IELTS (iBT) = 6.0 (if not from an English speaking country). The following are some factors that may be included in the socioeconomic profile used in the admission process.
 - a. Economic status of family when applicant attended elementary, secondary, and undergraduate school.
 - b. Applicant's status of first-generation to attend undergraduate school.

- c. Applicant's status of first-generation to attend graduate or professional school.
 - d. Applicant is multilingual.
 - e. Applicant's employment while attending undergraduate school.
 - f. Applicant's role in helping rear other children in family.
 - g. Applicant's geographic residence in Texas at time of application.
 - h. Geographic region of applicant's high school.
 - i. Applicant's demonstration of performance in community activities.
 - j. Applicant's demonstration of commitment to a particular field of study.
 - k. The presence or absence of role models with comparable graduate school training in the applicant's region of residence.
 - l. The applicant's performance during a personal interview.
8. Other criteria specified in H.B. 1641 will be considered.

Additional Items Needed to be Considered

Writing Sample: Applicant will submit a handwritten writing sample that must be 300-600 words; and score 3.5 on the analytical writing section of the GRE. Interview: Applicant will be interviewed by members of the COE Admissions Committee. Oral Presentation: Applicant will be required to orally present a piece of work to the COE Admissions Committee.

(All courses must be approved by the department)

Code	Title	Hours
Leveling Courses		
EDFD 633	Research	3
EPSY 831	Educ Statistics	3
Total Hours		6

(Leveling Courses (as determined by the departmental admissions committee)).

Summary

Code	Title	Hours
Major Core Requirements (p. 105)		9
Foundation Core Requirements (p. 105)		18
Concentration (p.)		18
Electives (p. 105)		3
Internship (p. 105)		6
Dissertation (p. 105)		6
Total Hours		60

Major Core Requirements

Code	Title	Hours
Select nine (9) credits from the following:		9
EDAS 900	Ed Policy Development	
EDAS 955	Org & Admin Theory	
EDAS 998	Doc Colloq Ed Admin	
Total Hours		9

Foundation Core

Code	Title	Hours
EDFD 902/980	Theoretical Fdtns Of Ed	3
EDFD 903	Nature Methodology Ed Res	3
EDFD 905	Nature Meth Ed Res	3
EDFD 931	Ed Res Corr Stat Methods ¹	3
EDFD 932	Ed Res Sig Tests Stat Methods ¹	3
EDFD 997	Research Seminar ¹	3
Total Hours		18

Concentration

Code	Title	Hours
Select six courses (18) credits from the following:		18
EDHI 933	Intro To Study Of Higher Ed	
EDHI 937	Financing Of Higher Ed	
EDHI 939	Sem In Adm Of Higher Ed	
EDHI 942	Sem Governance Of Higher Ed	
EDHI 944	Resour Allocatin In Higher Ed	
EDHI 945	Sem Current Prob In Higher Ed	
EDHI 948	Sem Planning And Mgmt High Ed	
EDHI 950	Higher Ed & The Law	
EDHI 970	Urban Higher Ed	
EDHI 971	Stu Affairs Admin High Ed	

Electives

Code	Title	Hours
Select one of the following:		3
"XXX	XXX"	
EDFD 940	SPSS & Data Management	
EDAS 976	Advanced Concepts of Athletic Administration	
Total Hours		3

Internship

Code	Title	Hours
EDHI 968	Internship In Univ Admin	6
Total Hours		6

Dissertation

Code	Title	Hours
EDHI 999	Dissertation	6
Total Hours		6

Educational Administration (Higher Education Administration Concentration), Doctor of Education

Doctor of Education Degree Programs

The policies governing admission to the Doctor of Education (Ed.D.) degree program are as follows:

1. Student must apply for admission to the doctoral program through the Graduate School by completing an application and submitting all required documents (including GRE scores).
2. Completed applications are reviewed by the Doctoral Admissions Committee in the
3. major area and the names of applicants recommended for admission are submitted to the Graduate School.
4. Upon approval, the Dean of the Graduate School will notify applicants of the Committee's decision.

The **Department of Educational Administration and Foundations** offers a program concentration leading to the Doctor of Education Degree in Educational Administration in the areas of Educational Administration (K-12), Higher Education Administration and Community College Administration.

Educational Administration encompasses knowledge and skills from entities which either provide, regulate, or affect the formalized educational efforts of society. Thus, innovative, flexible approaches utilizing courses, seminars, field experiences, research projects, and other educational media are used to provide the technical, conceptual, and human skills required of educational leaders.

Under the direction of the student's doctoral advisory committee, course plans are developed to meet individual needs, backgrounds, and future goals of each student.

Field experience opportunities are available to help students relate academic and theoretical work to the issues and concerns of administrative practices.

General Requirements

In addition to meeting the requirements for the Doctor of Education Degree as set forth in this bulletin, students majoring in Educational Administration shall:

1. Submit to the Graduate School an application for admissions to the department on forms provided by the Graduate School.
2. Meet the requirements of the Department's Doctoral Screening Committee.
3. Organize, with the approval of the Department Chairperson, a doctoral committee for advisement. The chairperson shall be from the Department of Educational Administration and Foundations.
4. File an approved course plan with the doctoral advisor and the Graduate School Office.
5. Complete a doctoral internship approved by the student's committee (if required).

Specific Requirements

Specific requirements will be determined by the student's doctoral advisor consistent with the requirements of the Graduate School and of the Department.

Admission Requirements

The criteria for admission to the Doctor of Education degree program are:

Unconditional Admission—The applicant must submit a Graduate Record Examination (GRE) score (combined verbal and quantitative; writing score) that will be used in conjunction with the applicant's

socioeconomic profile and the Masters grade point average to determine admission.

Non-negotiable Areas

In addition, the applicant must meet all of the following requirements:

1. Have an earned master's degree or its equivalent in a degree program with a grade point average of at least 3.25 ("B+") from an accredited institution of higher education.
2. Hold or earn, before completing the program, a teaching or administrative certificate, unless the area in which the individual specializes does not require certification.
3. Have a minimum of two (2) years of successful professional experience in teaching, administration, supervision, counseling or other career service, for example, personnel in business and industry, counselor, etc.
4. Submit recommendations from at least three persons including two (2) college faculty members in the applicant's most recent academic program and at least one (1) immediate supervisor of the applicant's professional work.
5. Demonstrate acceptable proficiency in the use of the English language based upon performance on a standardized English Proficiency Test. (Performance on the Verbal portion of the GRE may be considered as adequate by the Doctoral Admission Committee).
6. Have a personal interview with the department head and faculty in the area of the planned concentration.
7. Make a score of at least 79 on the TOEFL or IELTS (iBT) = 6.0 (if not from an English speaking country). The following are some factors that may be included in the socioeconomic profile used in the admission process.
 - a. Economic status of family when applicant attended elementary, secondary, and undergraduate school.
 - b. Applicant's status of first-generation to attend undergraduate school.
 - c. Applicant's status of first-generation to attend graduate or professional school.
 - d. Applicant is multilingual.
 - e. Applicant's employment while attending undergraduate school.
 - f. Applicant's role in helping rear other children in family.
 - g. Applicant's geographic residence in Texas at time of application.
 - h. Geographic region of applicant's high school.
 - i. Applicant's demonstration of performance in community activities.
 - j. Applicant's demonstration of commitment to a particular field of study.
 - k. The presence or absence of role models with comparable graduate school training in the applicant's region of residence.
 - l. The applicant's performance during a personal interview.
8. Other criteria specified in H.B. 1641 will be considered.

Conditional Admission - The applicant must submit a Graduate Record Examination (GRE) score (combined verbal and quantitative) that will be used in conjunction with the applicant's socioeconomic profile and the Master's grade point average to determine admission to graduate programs. Failed to acquire at least a 3.5 on the Writing section of the GRE.

Additional Items Needed to be Considered

Writing Sample: Applicant will submit a handwritten writing sample that must be 300-600 words; and score 3.5 on the analytical writing section of the GRE. Interview: Applicant will be interviewed by members of the COE Admissions Committee. Oral Presentation: Applicant will be required to orally present a piece of work to the COE Admissions Committee.

Admission Requirements

The criteria for admission to the Doctor of Education degree program are:

Unconditional Admission—The applicant must submit a Graduate Record Examination (GRE) score (combined verbal and quantitative; writing score) that will be used in conjunction with the applicant's socioeconomic profile and the Masters grade point average to determine admission. The GRE examination cannot be older than 5 years.

Non-negotiable Areas

In addition, the applicant must meet all of the following requirements:

1. Have an earned master's degree or its equivalent in a degree program with a grade point average of at least 3.25 ("B+") from an accredited institution of higher education.
2. Hold or earn, before completing the program, a teaching or administrative certificate, unless the area in which the individual specializes does not require certification.
3. Have a minimum of two (2) years of successful professional experience in teaching, administration, supervision, counseling or other career service, for example, personnel in business and industry, counselor, etc.
4. Submit recommendations from at least three persons including two (2) college faculty members in the applicant's most recent academic program and at least one (1) immediate supervisor of the applicant's professional work.
5. Demonstrate acceptable proficiency in the use of the English language based upon performance on a standardized English Proficiency Test. (Performance on the Verbal portion of the GRE may be considered as adequate by the Doctoral Admission Committee).
6. Have a personal interview with the department head and faculty in the area of the planned concentration
7. Make a score of at least 79 on the TOEFL or IELTS (iBT) = 6.0 (if not from an English speaking country). The following are some factors that may be included in the socioeconomic profile used in the admission process.
 - a. Economic status of family when applicant attended elementary, secondary, and undergraduate school.
 - b. Applicant's status of first-generation to attend undergraduate school.
 - c. Applicant's status of first-generation to attend graduate or professional school.
 - d. Applicant is multilingual.
 - e. Applicant's employment while attending undergraduate school.
 - f. Applicant's role in helping rear other children in family.
 - g. Applicant's geographic residence in Texas at time of application.
 - h. Geographic region of applicant's high school.
 - i. Applicant's demonstration of performance in community activities.
 - j. Applicant's demonstration of commitment to a particular field of study.

- k. The presence or absence of role models with comparable graduate school training in the applicant's region of residence.
 - l. The applicant's performance during a personal interview.
8. Other criteria specified in H.B. 1641 will be considered.

Additional Items Needed to be Considered

Writing Sample: Applicant will submit a handwritten writing sample that must be 300-600 words; and score 3.5 on the analytical writing section of the GRE. Interview: Applicant will be interviewed by members of the COE Admissions Committee. Oral Presentation: Applicant will be required to orally present a piece of work to the COE Admissions Committee.

(All courses must be approved by the department)

Summary

Code	Title	Hours
	Foundation Core Requirements (p.)	18
	Electives (p. 108)	3
	Concentration (p. 107)	27
	Internship (p. 108)	6
	Dissertation (p. 108)	6
Total Hours		60

Major Core Requirements

Code	Title	Hours
EDFD 902/980	Theoretical Fdtns Of Ed	3
EDFD 903	Nature Methodology Ed Res	3
EDFD 905	Nature Meth Ed Res	3
EDFD 931	Ed Res Corr Stat Methods ¹	3
EDFD 932	Ed Res Sig Tests Stat Methods ¹	3
EDFD 997	Research Seminar ¹	3
Total Hours		18

Concentration

Code	Title	Hours
Select twenty seven (27) hours from the following:		27
EDAS 900	Ed Policy Development	
EDAS 936	Doc Sem School Law	
EDAS 950	Schools & The Community	
EDAS 955	Org & Admin Theory	
EDHI 933	Intro To Study Of Higher Ed	
EDHI 937	Financing Of Higher Ed	
EDHI 939	Sem In Adm Of Higher Ed	
EDHI 942	Sem Goverance Of Higher Ed	
EDHI 944	Resour Allocatin In Higher Ed	
EDHI 945	Sem Current Prob In Higher Ed	
EDHI 948	Sem Planning And Mgmt High Ed	
EDHI 950	Higher Ed & The Law	
EDHI 970	Urban Higher Ed	
EDHI 971	Stu Affairs Admin High Ed	
Total Hours		27

Electives

Code	Title	Hours
Select one course (3), credits as an elective from any Doctoral Level course		3
"XXX"	XXX"	
Total Hours		3

Internship

Code	Title	Hours
EDHI 968	Internship In Univ Admin	6
Total Hours		6

Dissertation

Code	Title	Hours
EDHI 999	Dissertation	6
Total Hours		6

Educational Administration (Human Resources and Higher Education Concentration), Master of Education

General Requirements

In addition to meeting the Graduate School's requirements for admission, retention, examinations, candidacy and graduation as listed elsewhere, requirements for admission to the department include: submitting an online application which includes personal information and recommendations on forms provided by the Graduate School along with Graduate Record Examination scores taken within the last five (5) years.

1. Submit evidence of holding the Standard Teacher Certificate and at least two years creditable classroom teaching experience for the administrator certificate programs if seeking a principal certificate.
2. Complete requirements of the Department Screening Committee as approved by the Graduate School.
3. File a degree and/or certificate plan with the faculty advisor and with the Graduate School Office.
4. A Comprehensive Examination is administered to all students within six (6) hours of graduation. Eligibility to take the Comprehensive Examination, designed by the Educational Administration faculty, is determined by the advisor and the Department Chair. Passing the Comprehensive Examination with a minimum score of 70 is required for graduation.

(All courses must be approved by the department)

Summary

Code	Title	Hours
Higher Ed Course Requirements (p. 108)		12
Human Resources Requirements (p. 108)		12
Internship (p. 108)		3
Master's Degree Requirements (p. 108)		9
Total Hours		36

Higher Ed Course Requirements

Code	Title	Hours
EDHI 734	Seminar in Strategic Planning ¹	3
EDHI 733	Intro to Higher Education ¹	3
Select six credit hours from the following:		6
EDHI 744	Budgeting/Resource Allocation	
EDHI 748	Org & Admin of Higher Edu	
EDHI 750	Higher Education & The Law	
EDHI 771	Student Development Services	
Total Hours		12

¹

These courses are required in these areas.

Human Resource Courses

Code	Title	Hours
EDAS 651	Human Resources Management ¹	3
EDAS 680	Seminar in Human Resources ¹	3
Select six credits from the following:		6
EDAS 636	Law In Human Resources	
EDAS 637	Budgeting	
EDAS 678	Training & Professional Dev	
EDAS 679	Career Development	
EDAS 682	HR & Performance MGMT	
Total Hours		12

¹

These courses are required in these areas.

Internship Requirements

Code	Title	Hours
EDAS 783	Internship-Human Resources	3
Total Hours		3

Master's Degree Requirements

Code	Title	Hours
EPSY 831	Educ Statistics	3
EDFD 633	Research	3
EDFD 581	Foundations Of Education	3
Total Hours		9

Course substitutions may be made with the approval of the Department Chairman, the Dean of the College of Education, and Dean of the Graduate School on forms provided by the Graduate School Office.

Educational Administration with no Certification, Master of Education

General Requirements

In addition to meeting the Graduate School's requirements for admission, retention, examinations, candidacy and graduation as listed elsewhere, requirements for admission to the department include: submitting an online application which includes personal information and

recommendations on forms provided by the Graduate School along with Graduate Record Examination scores taken within the last five (5) years.

1. Submit evidence of holding the Standard Teacher Certificate and at least two years creditable classroom teaching experience for the administrator certificate programs if seeking a principal certificate.
2. Complete requirements of the Department Screening Committee as approved by the Graduate School.
3. File a degree and/or certificate plan with the faculty advisor and with the Graduate School Office.
4. A Comprehensive Examination is administered to all students within six (6) hours of graduation. Eligibility to take the Comprehensive Examination, designed by the Educational Administration faculty, is determined by the advisor and the Department Chair. Passing the Comprehensive Examination with a minimum score of 70 is required for graduation.

(All courses must be approved by the department)

Summary

Code	Title	Hours
	Core Curriculum (p. 109)	24
	Foundation Core Requirements (p. 109)	9
	Electives (p. 109)	3
Total Hours		36

Core Curriculum

Code	Title	Hours
EDAS 532	School & Public Relation	3
EDAS 537	Principles Of Educ Administrat	3
EDAS 541	Curr Planning & Development	3
EDAS 675	Leadership & Management of Ins	3
EDAS 836	School Law	3
EDAS 800	Schl Org, Leadership & Mgmt	3
EDAS 850	Leadership & Campus Culture	3
EDAS 880	Human Resources Lead & Mgmt	3
Total Hours		24

Foundation Core Requirements

Code	Title	Hours
EDFD 576/581	His Black Ed In America	3
EPSY 831	Educ Statistics	3
EDFD 633	Research	3
Total Hours		9

Electives

Code	Title	Hours
Select one of the following:		3
COUN 733	Sem Soc & Cult Diff	
EDAS 736/780/841	Seminar In School Problems	
EDAS 834/835/846	Adv Topics Sch Finance	
EDAS 534/674/734/532	Principal As A Supervisor	

EDAS 856	Restorative Discipline	
EDAS 876	Fundamentals of Athletic Administration	
Total Hours		3

Course substitutions may be made with the approval of the Department Chairman, the Dean of the College of Education, and Dean of the Graduate School on forms provided by the Graduate School Office.

Educational Administration with Principal Certification, Master of Education

General Requirements

In addition to meeting the Graduate School's requirements for admission, retention, examinations, candidacy and graduation as listed elsewhere, requirements for admission to the department include: submitting an online application which includes personal information and recommendations on forms provided by the Graduate School along with Graduate Record Examination scores taken within the last five (5) years.

1. Submit evidence of holding the Standard Teacher Certificate and at least two years creditable classroom teaching experience for the administrator certificate programs if seeking a principal certificate.
2. Complete requirements of the Department Screening Committee as approved by the Graduate School.
3. File a degree and/or certificate plan with the faculty advisor and with the Graduate School Office.
4. A Comprehensive Examination is administered to all students within six (6) hours of graduation. Eligibility to take the Comprehensive Examination, designed by the Educational Administration faculty, is determined by the advisor and the Department Chair. Passing the Comprehensive Examination with a minimum score of 70 is required for graduation.

(All courses must be approved by the department)

Summary

Code	Title	Hours
	Core Curriculum (p. 109)	24
	Foundation Core Requirements (p. 110)	9
	Electives (p. 110)	3
	Internship (p. 110)	6
Total Hours		42

Core Curriculum

Code	Title	Hours
EDAS 532	School & Public Relation	3
EDAS 537	Principles Of Educ Administrat	3
EDAS 541	Curr Planning & Development	3
EDAS 675	Leadership & Management of Ins	3
EDAS 836	School Law	3
EDAS 800	Schl Org, Leadership & Mgmt	3
EDAS 850	Leadership & Campus Culture	3
EDAS 880	Human Resources Lead & Mgmt	3
Total Hours		24

Foundation Core Requirements

Code	Title	Hours
EDFD 576/581	His Black Ed In America	3
EPSY 831	Educ Statistics	3
EDFD 633	Research	3
Total Hours		9

Electives

Code	Title	Hours
Select one of the following:		3
COUN 733	Sem Soc & Cult Diff	
EDAS 736/780/841	Seminar In School Problems	
EDAS 846/834/835	Cmptr Tech In Ed Admin	
EDAS 534/674/634	Principal As A Supervisor	
EDAS 856	Restorative Discipline	
EDAS 876	Fundamentals of Athletic Administration	
Total Hours		3

Internship

Code	Title	Hours
EDAS 781	Internship I	3
EDAS 782	Internship II	3
Total Hours		6

Course substitutions may be made with the approval of the Department Chairman, the Dean of the College of Education, and Dean of the Graduate School on forms provided by the Graduate School Office.

Educational Administration, Doctor of Education

Doctor of Education Degree Programs

The policies governing admission to the Doctor of Education (Ed.D.) degree program are as follows:

1. Student must apply for admission to the doctoral program through the Graduate School by completing an application and submitting all required documents (including GRE scores).
2. Completed applications are reviewed by the Doctoral Admissions Committee in the
3. major area and the names of applicants recommended for admission are submitted to the Graduate School.
4. Upon approval, the Dean of the Graduate School will notify applicants of the Committee's decision.

The **Department of Educational Administration and Foundations** offers a program concentration leading to the Doctor of Education Degree in Educational Administration in the areas of Educational Administration (K-12), Higher Education Administration and Community College Administration.

Educational Administration encompasses knowledge and skills from entities which either provide, regulate, or affect the formalized

educational efforts of society. Thus, innovative, flexible approaches utilizing courses, seminars, field experiences, research projects, and other educational media are used to provide the technical, conceptual, and human skills required of educational leaders.

Under the direction of the student's doctoral advisory committee, course plans are developed to meet individual needs, backgrounds, and future goals of each student.

Field experience opportunities are available to help students relate academic and theoretical work to the issues and concerns of administrative practices.

General Requirements

In addition to meeting the requirements for the Doctor of Education Degree as set forth in this bulletin, students majoring in Educational Administration shall:

1. Submit to the Graduate School an application for admissions to the department on forms provided by the Graduate School.
2. Meet the requirements of the Department's Doctoral Screening Committee.
3. Organize, with the approval of the Department Chairperson, a doctoral committee for advisement. The chairperson shall be from the Department of Educational Administration and Foundations.
4. File an approved course plan with the doctoral advisor and the Graduate School Office.
5. Complete a doctoral internship approved by the student's committee (if required).

Specific Requirements

Specific requirements will be determined by the student's doctoral advisor consistent with the requirements of the Graduate School and of the Department.

Admission Requirements

The criteria for admission to the Doctor of Education degree program are:

Unconditional Admission—The applicant must submit a Graduate Record Examination (GRE) score (combined verbal and quantitative; writing score) that will be used in conjunction with the applicant's socioeconomic profile and the Masters grade point average to determine admission.

Non-negotiable Areas

In addition, the applicant must meet all of the following requirements:

1. Have an earned master's degree or its equivalent in a degree program with a grade point average of at least 3.25 ("B+") from an accredited institution of higher education.
2. Hold or earn, before completing the program, a teaching or administrative certificate, unless the area in which the individual specializes does not require certification.
3. Have a minimum of two (2) years of successful professional experience in teaching, administration, supervision, counseling or other career service, for example, personnel in business and industry, counselor, etc.
4. Submit recommendations from at least three persons including two (2) college faculty members in the applicant's most recent academic

program and at least one (1) immediate supervisor of the applicant's professional work.

5. Demonstrate acceptable proficiency in the use of the English language based upon performance on a standardized English Proficiency Test. (Performance on the Verbal portion of the GRE may be considered as adequate by the Doctoral Admission Committee).
6. Have a personal interview with the department head and faculty in the area of the planned concentration.
7. Make a score of at least 79 on the TOEFL or IELTS (iBT) = 6.0 (if not from an English speaking country). The following are some factors that may be included in the socioeconomic profile used in the admission process.
 - a. Economic status of family when applicant attended elementary, secondary, and undergraduate school.
 - b. Applicant's status of first-generation to attend undergraduate school.
 - c. Applicant's status of first-generation to attend graduate or professional school.
 - d. Applicant is multilingual.
 - e. Applicant's employment while attending undergraduate school.
 - f. Applicant's role in helping rear other children in family.
 - g. Applicant's geographic residence in Texas at time of application.
 - h. Geographic region of applicant's high school.
 - i. Applicant's demonstration of performance in community activities.
 - j. Applicant's demonstration of commitment to a particular field of study.
 - k. The presence or absence of role models with comparable graduate school training in the applicant's region of residence.
 - l. The applicant's performance during a personal interview.
8. Other criteria specified in H.B. 1641 will be considered.

Conditional Admission - The applicant must submit a Graduate Record Examination (GRE) score (combined verbal and quantitative) that will be used in conjunction with the applicant's socioeconomic profile and the Master's grade point average to determine admission to graduate programs. Failed to acquire at least a 3.5 on the Writing section of the GRE.

Additional Items Needed to be Considered

Writing Sample: Applicant will submit a handwritten writing sample that must be 300-600 words; and score 3.5 on the analytical writing section of the GRE. Interview: Applicant will be interviewed by members of the COE Admissions Committee. Oral Presentation: Applicant will be required to orally present a piece of work to the COE Admissions Committee.

Admission Requirements

The criteria for admission to the Doctor of Education degree program are:

Unconditional Admission—The applicant must submit a Graduate Record Examination (GRE) score (combined verbal and quantitative; writing score) that will be used in conjunction with the applicant's socioeconomic profile and the Masters grade point average to determine admission. The GRE examination cannot be older than 5 years.

Non-negotiable Areas

In addition, the applicant must meet all of the following requirements:

1. Have an earned master's degree or its equivalent in a degree program with a grade point average of at least 3.25 ("B+") from an accredited institution of higher education.
2. Hold or earn, before completing the program, a teaching or administrative certificate, unless the area in which the individual specializes does not require certification.
3. Have a minimum of two (2) years of successful professional experience in teaching, administration, supervision, counseling or other career service, for example, personnel in business and industry, counselor, etc.
4. Submit recommendations from at least three persons including two (2) college faculty members in the applicant's most recent academic program and at least one (1) immediate supervisor of the applicant's professional work.
5. Demonstrate acceptable proficiency in the use of the English language based upon performance on a standardized English Proficiency Test. (Performance on the Verbal portion of the GRE may be considered as adequate by the Doctoral Admission Committee).
6. Have a personal interview with the department head and faculty in the area of the planned concentration
7. Make a score of at least 79 on the TOEFL or IELTS (iBT) = 6.0 (if not from an English speaking country). The following are some factors that may be included in the socioeconomic profile used in the admission process.
 - a. Economic status of family when applicant attended elementary, secondary, and undergraduate school.
 - b. Applicant's status of first-generation to attend undergraduate school.
 - c. Applicant's status of first-generation to attend graduate or professional school.
 - d. Applicant is multilingual.
 - e. Applicant's employment while attending undergraduate school.
 - f. Applicant's role in helping rear other children in family.
 - g. Applicant's geographic residence in Texas at time of application.
 - h. Geographic region of applicant's high school.
 - i. Applicant's demonstration of performance in community activities.
 - j. Applicant's demonstration of commitment to a particular field of study.
 - k. The presence or absence of role models with comparable graduate school training in the applicant's region of residence.
 - l. The applicant's performance during a personal interview.
8. Other criteria specified in H.B. 1641 will be considered.

Additional Items Needed to be Considered

Writing Sample: Applicant will submit a handwritten writing sample that must be 300-600 words; and score 3.5 on the analytical writing section of the GRE. Interview: Applicant will be interviewed by members of the COE Admissions Committee. Oral Presentation: Applicant will be required to orally present a piece of work to the COE Admissions Committee.

(All courses must be approved by the department)

Summary

Code	Title	Hours
	Foundation Core Requirements (p. 112)	18
	Electives (p. 112)	3

Concentration (p. 112)	27
Internship (p. 112)	6
Dissertation (p. 112)	6
Total Hours	60

MAJOR Core Requirements

Code	Title	Hours
Select twenty-seven (27) credits from the following:		27
EDAS 900	Ed Policy Development	
EDAS 933	Systems Mgmt Of Schools	
EDAS 935	Sch Admin Hierarchy	
EDAS 936	Doc Sem School Law	
EDAS 939	Plng Ed Change	
EDAS 950	Schools & The Community	
EDAS 953	Evaluation Of Schools	
EDAS 955	Org & Admin Theory	
EDAS 961	Ind Studies In Ed Admin	
EDAS 963	Educational Finance	
EDAS 965	Internship in Superintendency	
EDAS 970	Advanced Superintendency	
EDAS 973	Leadership Seminar	
EDAS 985	Seminar In Supervision	
EDAS 988	Adv Sem In Ed Admin	
EDAS 998	Doc Colloq Ed Admin	
Total Hours		27

Foundation Core

Code	Title	Hours
EDFD 902/980	Theoretical Fdtns Of Ed	3
EDFD 903	Nature Methodology Ed Res	3
EDFD 905	Nature Meth Ed Res	3
EDFD 931	Ed Res Corr Stat Methods ¹	3
EDFD 932	Ed Res Sig Tests Stat Methods ¹	3
EDFD 997	Research Seminar ¹	3
Total Hours		18

Electives

Code	Title	Hours
Select 1 course (3 credit hours), at the Doctoral Level		3
Total Hours		3

Internship

Code	Title	Hours
EDAS 978	Doctoral Internship	6
Total Hours		6

Dissertation

Code	Title	Hours
EDAS 999	Dissertation	6
Total Hours		6

Professional Principal Certification

(Must hold valid Master's Degree)

Professional Principal's Certificate

There are five requirements to obtain a Principal certificate through the Department of Educational Administration and Foundations:

- must hold a master's degree from a university that is accredited by an accrediting agency recognized by the Texas Higher Education Coordinating Board (THECB) (outside source) or the U.S. Department of Education Database for Accredited Colleges and Universities (outside source)
- hold a valid classroom teaching certificate
- have two years of creditable teaching experience as a classroom teacher
- successfully complete an approved principal educator preparation program (<https://secure.sbec.state.tx.us/SBECOnline/approvedprograms.asp>)
- successfully complete the required TExES Principal examination.

Professional Superintendent

There are four requirements to obtain a Superintendent certificate through the Department of Educational Administration and Foundations:

- must hold a master's degree from a university that is accredited by an accrediting agency recognized by the Texas Higher Education Coordinating Board (outside source) (<http://www.theccb.state.tx.us/?objectid=106BD76B-C2C9-1CED-D9AEAF20A2CEB4C3>) or the U.S. Department of Education Database for Accredited Colleges and Universities (outside source) (<https://ope.ed.gov/dapip/#/home>)
- hold a Principal certificate or the equivalent issued by the TEA, another state or country or,
- completed the superintendent certificate application (PDF, 314 KB) and been approved by the TEA to substitute managerial experience in lieu of a principal certificate
- one year of practical administrative experience
- successfully complete an approved superintendent educator preparation program (<https://tea.texas.gov/WorkArea/linkit.aspx?LinkIdentifier=id&ItemID=25769825430&libID=25769825526>) (12 hours)
- successfully complete the required Texas Superintendent examination.

Principal Certification Redesign

Given the evolving role of the principal as an instructional leader and the needs of Texas schools and communities, the State Board for Educator Certification (SBEC) adopted new principal standards in 2016. Informed by the expertise of practicing principals, principal preparation program faculty, and other educators and aligned with the Texas Principal Evaluation and Support System (TPESS), the new standards emphasize the critical role of the school principal with an increased emphasis on instructional leadership.

With the implementation of the new standards, the Texas Education Agency (TEA) began working with principal preparation program faculty and practicing principals to develop a new test framework and new test instruments to certify Texas principals. The new instruments have

been created to reflect the skills needed for beginning principals to be effective.

Principal certificate candidates can expect the following changes:

- All candidates will need to pass the new **TEXES Principal (268)** and complete the **Performance Assessment for School Leaders (PASL)** to obtain a standard principal certification starting on **9/1/2019**.
- Candidates who pass the TEXES Principal (268) assessment by **8/31/2019** will be exempt from the PASL and will receive their standard certification with a passing score on the TEXES Principal (268) test if they complete all other certification requirements (e.g., course work, practicum) by **8/31/2019** and apply and are recommended for certification by 10/30/2019.
- The TEXES Principal (268) test will be offered for free to eligible candidates during the initial testing windows in December 2018 through February 2019. Eligible candidates include only those candidates who have never attempted the TEXES Principal (68) test. Scores for the initial testing period will be reported in **late June or early July 2019**.
- The PASL will become available to candidates in **fall of 2019**.
- Given the timing of the changes above, it is recommended that all principal candidates entering programs on 1/1/2018 or later begin preparation for the TEXES Principal (268) and PASL assessments.

How does this impact the current TEXES Principal (068) test?

- The TEXES Principal (068) test will be available to first-time test takers through 12/31/2018 and for re-testers through 8/31/2019.

Program Standards for the Principalship

The Master's degree with Principal certification and the Master's degree with no certification is offered completely online. The program is designed to assist working professionals the opportunity to earn a Master's degree without interrupting their work schedules. The programs in Educational Administration are designed to develop competent, caring, committed and culturally responsive educators and individuals who meet stated competencies. The Texas Principal Standards have been developed and utilized in our program in accordance with Chapter 149 of the *Texas Administrative Code*.¹ The standards serve as a guide for improving school productivity, increasing student achievement, and continually reflecting upon and improving principal effectiveness as a leader throughout all career stages.

Standard 1--Instructional Leadership.

The principal is responsible for ensuring every student receives high-quality instruction.

Standard 2--Human Capital.

The principal is responsible for ensuring there are high-quality teachers and staff in every classroom and throughout the school.

Standard 3--Executive Leadership.

The principal is responsible for modeling a consistent focus on and commitment to improving student learning.

Standard 4--School Culture.

The principal is responsible for establishing and implementing a shared vision and culture of high expectations for all staff and students.

Standard 5--Strategic Operations.

The principal is responsible for implementing systems that align with the school's vision and improve the quality of instruction.

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Statutory Authority: The provisions of this §149.2001 issued under the Texas Education Code, §21.3541.

Source: The provisions of this §149.2001 adopted to be effective June 8, 2014, 39 TexReg 4245.

General Requirements

In addition to meeting the Graduate School's requirements for admission, retention, examinations, candidacy and graduation as listed elsewhere, requirements for admission to the department include: submitting an online application which includes personal information and recommendations on forms provided by the Graduate School along with Graduate Record Examination scores taken within the last five (5) years.

1. Submit evidence of holding the Standard Teacher Certificate and at least two years creditable classroom teaching experience for the administrator certificate programs if seeking a principal certificate.
2. Complete requirements of the Department Screening Committee as approved by the Graduate School.
3. File a degree and/or certificate plan with the faculty advisor and with the Graduate School Office.
4. A Comprehensive Examination is administered to all students within six (6) hours of graduation. Eligibility to take the Comprehensive Examination, designed by the Educational Administration faculty, is determined by the advisor and the Department Chair. Passing the Comprehensive Examination with a minimum score of 70 is required for graduation.

Summary

Code	Title	Hours
	Core Curriculum Requirements (p. 113)	24
	Internship (p.)	6
Total Hours		30

Core Curriculum Requirements

Code	Title	Hours
EDAS 537	Principles Of Educ Administrat	3
EDAS 541	Curr Planning & Development	3
EDAS 675	Leadership & Management of Ins	3
EDAS 836	School Law	3
EDAS 800	Schl Org, Leadership & Mgmt	3
EDAS 842	Externship	3
EDAS 850	Leadership & Campus Culture	3
EDAS 880	Human Resources Lead & Mgmt	3
Total Hours		24

Internship

Code	Title	Hours
EDAS 781	Internship I	3
EDAS 782	Internship II	3
Total Hours		6

Course substitutions may be made with the approval of the Department Chairman, the Dean of the College of Education, and Dean of the Graduate School on forms provided by the Graduate School Office.

Superintendent Certification

Program Standards for the Superintendent Certificate Standards

The Texas Education Code, Section 11.201, identifies the functions of a school district's superintendent: Requirements for the Issuance of the Standard Superintendent Certificate. To be eligible to receive the standard Superintendent Certificate, a candidate must:

1. satisfactorily complete an examination based on the standards identified in §242.15 of this title (relating to Standards required for the Superintendent Certificate); and
2. successfully complete a State Board for Educator Certification-approved superintendent preparation program and be recommended for certification by that program; and
3. hold, at a minimum, a master's degree from an accredited institution of higher education that at the time was accredited or otherwise approved by an accrediting organization recognized by the Texas Higher Education Coordinating Board; and
4. hold, at a minimum, a principal certificate or the equivalent issued under this title or by another state or country; or
5. have at least three creditable years of managerial experience in a public school district.
 - a. The managerial experience must include responsibility for:
 - i. supervising or appraising faculty or staff;
 - ii. conducting district-level planning and coordination of programs, activities, or initiatives; and
 - iii. creating or maintaining a budget.
 - b. The candidate must submit an application to Texas Education Agency (TEA) staff for the substitution of managerial experience as defined in this paragraph. The TEA staff will review the application and will notify the applicant, in writing, of approval or denial within 60 calendar days from date of receipt.

Source: The provisions of this §242.20 adopted to be effective March 14, 1999, 24 TexReg 1617; amended to be effective September 2, 1999, 24 TexReg 6751; amended to be effective April 28, 2002, 27 TexReg 3354; amended to be effective July 13, 2004, 29 TexReg 6646; amended to be effective October 25, 2009, 34 TexReg 7202; amended to be effective February 28, 2016, 41 TexReg 1246.

Standard I Superintendent Certificate Standards

The knowledge and skills identified in this section must be used by an educator preparation program in the development of curricula and coursework and the State Board for Educator Certification as the basis for developing the examinations required to obtain the standard Superintendent Certificate. The standards also serve as the foundation for the individual assessment, professional growth plan, and continuing professional education activities required by §242.30 of this title (relating to Requirements to Renew the Standard Superintendent Certificate).

Standard II Learner-Centered Values and Ethics of Leadership

A superintendent is an educational leader who promotes the success of all students by acting with integrity, fairness, and in an ethical manner.

Standard III. Learner-Centered Leadership and School District Culture.

A superintendent is an educational leader who promotes the success of all students and shapes school district culture by facilitating the development, articulation, implementation, and stewardship of a vision of learning that is shared and supported by the school community.

Standard IV Learner-Centered Human Resources Leadership and Management.

A superintendent is an educational leader who promotes the success of all students by implementing a staff evaluation and development system to improve the performance of all staff members, selects and implements appropriate models for supervision and staff development, and applies the legal requirements for personnel management.

Standard V Learner-Centered Policy and Governance.

A superintendent is an educational leader who promotes the success of all students by understanding, responding to, and influencing the larger political, social, economic, legal, and cultural context and by working with the board of trustees to define mutual expectations, policies, and standards.

Standard VI Learner-Centered Communications and Community Relations.

A superintendent is an educational leader who promotes the success of all students by collaborating with families and community members, responding to diverse community interests and needs, and mobilizing community resources.

Standard VII Learner-Centered Organizational Leadership and Management.

A superintendent is an educational leader who promotes the success of all students by leadership and management of the organization, operations, and resources for a safe, efficient, and effective learning environment.

Standard VIII Learner-Centered Curriculum Planning and Development.

A superintendent is an educational leader who promotes the success of all students by facilitating the design and implementation of curricula and strategic plans that enhance teaching and learning; alignment of curriculum, curriculum resources, and assessment; and the use of various forms of assessment to measure student performance.

Standard IX Learner-Centered Instructional Leadership and Management.

A superintendent is an educational leader who promotes the success of all students by advocating, nurturing, and sustaining a school district culture and instructional program conducive to student learning and staff professional growth.

Source: The provisions of this §242.15 adopted to be effective March 14, 1999, 24 TexReg 1617; amended to be effective September 2, 1999, 24 TexReg 6751; amended to be effective October 25, 2009, 34 TexReg 7202

General Requirements

In addition to meeting the Graduate School's requirements for admission, retention, examinations, candidacy and graduation as listed elsewhere, requirements for admission to the department include: submitting an online application which includes personal information and

recommendations on forms provided by the Graduate School along with Graduate Record Examination scores taken within the last five (5) years.

1. Submit evidence of holding the Standard Teacher Certificate and at least two years creditable classroom teaching experience for the administrator certificate programs if seeking a principal certificate.
2. Complete requirements of the Department Screening Committee as approved by the Graduate School.
3. File a degree and/or certificate plan with the faculty advisor and with the Graduate School Office.
4. A Comprehensive Examination is administered to all students within six (6) hours of graduation. Eligibility to take the Comprehensive Examination, designed by the Educational Administration faculty, is determined by the advisor and the Department Chair. Passing the Comprehensive Examination with a minimum score of 70 is required for graduation.

Summary

Code	Title	Hours
	Core Curriculum Requirements (p. 115)	9
	Internship (p.)	3
Total Hours		12

Core Curriculum Requirements

Code	Title	Hours
EDAS 835/988	Sch Plant Plng & Mgt	3
EDAS 834/955/953	Adv Topics Sch Finance	3
EDAS 770/970	The Superintendency	3
Total Hours		9

Internship

Code	Title	Hours
EDAS 788/965/978	Superintendent Internship	3

Course substitutions may be made with the approval of the Department Chairman, the Dean of the College of Education, and Dean of the Graduate School on forms provided by the Graduate School Office.

Department of Health, Kinesiology and Sport Studies

The Mission of the Department of Health, Kinesiology and Sport Studies is to prepare students for the fields of Health, Physical Education, and Sport through integrating theoretical and applied practice to promote active learning and career preparation. The department offers online and traditional courses which provide students an opportunity to tailor both graduate degrees to their personal needs.

The Department of Health, Kinesiology and Sport Studies offers two graduate degrees, four graduate certificates, two executive doctoral certificates, and doctoral concentration in Sport Education (In collaboration with the Department of Curriculum and Instruction). The two graduate degrees are as follows: a Master of Science degree in Health & Kinesiology (HK) and a Master of Science degree Sport Studies & Sport Leadership (SSSL).

Graduate certificates: NCAA Compliance; Critical Sport Studies; HBCU Sport Studies; and Diversity, Inclusion & Equity in Sport

Executive Doctoral Certificates: Athletic Administration and Sport Leadership

Doctoral Minor: Sport Studies

Doctoral Concentration: Sport Education (In collaboration with the Department of Curriculum and Instruction)

Master of Science Degree in Health & Kinesiology

The graduate HK curriculum was developed for the P-12 health and physical educator as well as the professional practitioners looking to advance their career in the fields of Health and Physical education. Upon completion of the program, graduates are prepared to work in healthcare, private and public sectors, as well as academic settings.

The program offers two concentrations Health and Kinesiology. Students seeking a concentration in health will be introduced current health issues, epidemiology, and community health education. Whereas students seeking a kinesiology concentration will be introduced to advanced theories and practice in physical education, strength and fitness development, and curriculum content in health and physical education.

Program Requirements

Students in this major will complete a total of thirty-six (36) semester credit hours of graduate courses (500 level or above): A minimum of twenty-seven (27) of these credit hours must be completed in health education or kinesiology and nine (9) of these semester credit hours must be elective courses in Health, Kinesiology, and/or Sport Studies and Sport Leadership courses. In addition, the Master of Science degree in Health & Kinesiology requires satisfactory completion of a comprehensive exam.

Master of Science Degree in Sport Studies and Sport Leadership

The Masters in Sport Studies and Sport Leadership (SSSL) program at Texas Southern University (TSU) offers graduate courses focused on the business of sport. The program offers a thesis and non-thesis track as well as concentrations in Sport Administration and Sport Management. Upon completion of the SSSL program, graduates are prepared for leadership and customer-service based roles in the sports industry.

The program offers two concentrations in Sport Administration and Sport Management. Students seeking a concentration in Sport Administration will be will prepared to assume leadership roles in the sports industry. Whereas students seeking a Sport Management concentration will be prepared to assume customer service and fan engagement based positions in the field of sport.

Students may choose between a thesis and a non-thesis track. Students selecting the thesis track will learn more about research and typically have desire to pursue a doctoral degree. Under the direction and approval of a faculty advisor, students will complete a master thesis.

In the non-thesis track, students will have an opportunity to gain practical experience by completing an internship. Students selecting this track typically are preparing to enter or enhance their current career in the field of sport.

Transfer Credit

A maximum of six (6) credit hours successfully completed at a regionally accredited institution of higher learning can be applied towards the SSSL degree requirements. In addition, only courses with an earned grade of "B" or better can be applied toward the degree. Also, these courses must be comparable to the SSSL curriculum and must be approved by the program graduate faculty.

Program Requirements

Students in this major will complete a total of thirty-six (36) semester credit hours of graduate courses (500 level or above): A minimum of twenty-seven (27) of these credit hours must be completed in Sport Studies and Sport Leadership and a minimum nine (9) approved elective credit hours must be must completed. In addition, the Master of Science degree in Sport Studies and Sport Leadership requires satisfactory completion of a comprehensive exam. The MS in Sport Studies and Sport Leadership offers a thesis and non-thesis option.

GRADUATE CERTIFICATES

The Graduate Certificate in NCAA Compliance, Critical Sport Studies, HBCU Sport Studies, or Diversity, Inclusion & Equity in Sport offer unique opportunities for graduate students interested in sport studies in higher education and sporting organizations. These certificates are intended for professionals working in higher education, intercollegiate athletics, professional sports franchises, or industries related to sports industry research and consists of coursework in athletic administration, sport leadership, critical sport studies, HBCU sports culture, sports analytics and tactics, strategic assessment and program evaluation methods, and sport management. The 9 credit hours of course work required for either certificate cannot duplicate those taken in the major field of studies.

EXECUTIVE DOCTORAL CERTIFICATES

The Executive Doctoral Certificate in Athletic Administration or Sport Leadership enables the advanced graduate (doctoral) student or executive athletic/sport administrator opportunities for innovative and progressive curricula in practical application and research design in intensifying the skills associated with the continued growing complexities of the sports industry. The 9 credit hours of course work required for either certificate cannot duplicate those taken in the major field of studies.

DOCTORAL MINOR

The Doctoral Minor in Sport Studies enables the advanced graduate (doctoral) student in other departments to take an organized body of courses focusing on the history, culture, leadership, and administrative values in sport organizations. The Doctoral Minor will be available to doctoral students in other departments and academic units (colleges/schools) of Texas Southern University and will be offered through the Graduate School. The minor field advisor must be a Department of Health, Kinesiology and Sport Studies faculty member. The 12 credit hours of course work required for this minor cannot duplicate those taken in the major field, and this minor is not available to students who are in the sport education concentration.

DOCTORAL CONCENTRATION

The courses from the two Executive Doctoral Certificates can be used as a concentration in Sport Education. The concentration in Sport Education is designed for doctoral students whose goal is to pursue a Doctor of Education in Curriculum & Instruction with an emphasis in the

field of sport studies pedagogy. The concentration in sport education will provide the course work and work experience to doctoral students whose scholarship has a sporting conceptual lens and to those who are interested in teaching in higher education and/or working in athletic programs or the sports corporate sector. The 18 credit hours of course work required for this concentration cannot duplicate those taken in the major field.

- Athletic Administration, Executive Doctoral Certificate (Online) (p. 128)
- Health & Kinesiology (Health Education Concentration), Master of Science (p. 123)
- Health & Kinesiology (Kinesiology Concentration), Master of Science (p. 124)
- Sport Leadership, Executive Doctoral Certificate (Online) (p. 128)
- Sport Studies and Sport Leadership (Sport Administration Concentration Non-Thesis), Master of Science (p. 124)
- Sport Studies and Sport Leadership (Sport Administration Concentration Thesis Option), Master of Science (p. 125)
- Sport Studies and Sport Leadership (Sport Management Concentration Non-Thesis), Master of Science (p. 126)
- Sport Studies and Sport Leadership (Sport Management Concentration Thesis Option), Master of Science (p. 127)
- Sport Studies Doctoral Minor (p. 128)

The Executive Doctoral Certificate in Athletic Administration or Sport Leadership enables the advanced graduate (doctoral) student or executive athletic/sport administrator opportunities for innovative and progressive curricula in practical application and research design in intensifying the skills associated with the continued growing complexities of the sports industry. The 9 credit hours of course work required for either certificate cannot duplicate those taken in the major field of studies.

The Executive Doctoral certificate program in either Athletic Administration or Sport Leadership requires four courses for non-degree seeking students: one introductory course, three practicum courses. However, only three courses are required for degree seeking students: three practicum courses.

The Graduate certificate program in either NCAA Compliance, Critical Sport Studies, HBCU Sport Studies, or Diversity, Inclusion & Equity in Sport also requires four courses for non-degree seeking students: one introductory course, three practicum courses.

Again, only three courses are required for degree seeking students: three practicum courses. All courses must be completed with grade B or above. For non-degree seeking students, the introductory course (*Introduction to Sport Studies*) is required and must be taken before the other courses so students understand the theory and method of sport studies and sport education before moving on to the three practicum courses.

Athletic Administration, Executive Doctoral Certificate (Online) (p. 128)

Sport Leadership, Executive Doctoral Certificate (Online) (p. 128)

Diversity, Inclusion & Equity in Sport, Graduate Certificate (Online)

Critical Sport Studies, Graduate Certificate (Online)

HBCU Sport Studies, Graduate Certificate (Online)

NCAA Compliance, Graduate Certificate (Online)**Courses****For Non-Degree Seeking Students*****Sport Foundation Course*****EDSF 800 Introduction to Sports Studies (3)**

This course is designed for students with little previous coursework in sports studies. Topics include the critical way that society views sports in the context of socio-historical and contemporary culture studies. It explores the socio-cultural significance of sports as it relates to topics such as youth, social class, race/ethnicity, gender, identity, diversity and inclusion, and intercollegiate athletics as well as HBCU Sport Education from an intersection of critical Sport Education, cultural studies, and Africana studies.

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For Degree Seeking Students***Diversity, Inclusion & Equity in Sport Graduate Courses*****SPDI 857 DIVERSITY, INCLUSION & EQUITY IN ATHLETIC PROGRAMS (3)**

This course will explore critical topics and issues related to diversity in athletics, including race/ethnicity, class, and gender. Students will cover current research that explores diversity in athletics in higher education, institutional diversity policies and organizational behaviors, campus constituents, and the role of external groups. The course consists of reading, in-class discussion, group exercise, and completing a research project that is of interest to the student.

SPDI 858 DIVERSITY, LEADERSHIP & POLICY IN SPORT ORGANIZATIONS (3)

This course will read, discuss, reflect on, and critique a variety of perspectives and topics such as race, class, power, cultural leadership, policy, change, diversity in sport organizations. Students will consider how the literature informs the development of a personal philosophy of diversity, inclusion, and equity in sport education. Students will consider moral and ethical issues, the implementation of sports policy, the purposes and nature of the task, and the complexity and diversity in sporting contexts.

SPDI 859 DIVERSITY & EQUITY ISSUES IN SPORTS (3)

This course will review issues in equity associated with sports. Students will explore historical and legal foundations of diversity and equity in sports. The course reviews research and evidenced-based practices that focus on learning, building organizational capacity, strategic design, and ensuring equity and excellence for all learners. Students will review theories, concepts, practices, and issues as they relate to philosophical discussions surrounding social justice, diversity, and equity in sports.

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Critical Sport Studies Courses

Certificate (9) Approved Credit Hours of 8XX (3) Sport Studies Courses

Sport Studies Graduate Course**EDSS 802 Sport Facility Management & Sport Event Planning (3)**

The course will examine several different types of sporting facilities. The course will also delineate the factors involved in the planning, design and management of each facility. In this course, the student will be able to identify the strengths and weaknesses of several facilities. This

course includes actual hands on involvement with event planning and management.

EDSS 806 Social and Historical Foundations of HBCUs Athletic Programs (3)

This course explores and examines the rise of sports in the U.S. in educational settings and evolution to economic enterprise. Development of HBCU athletic programs structure, influential groups, and sport governance during formative periods. Role of HBCU athletic programs and critical race theory conceptualization in athletics in the current intercollegiate model.

EDSS 807 The Essentials in the Legal Aspects of Sport Organizations (3)

This course covers general principles of sports law with emphasis upon state statutes, federal legislation, and international regulations. Students analyze legal issues, and professional ramifications of decision-making in sport business by examining organizational regulations, government intervention, and ethically pertinent scenarios. It includes review of the major federal, state, and local laws and regulations and an analysis of significant court decisions having implications for sports organizations.

EDSS 810 Athletic Association Policy & Sports Governance for Athletic Programs (3)

This course examines the context for policy making and the process of policy development and implementation. This course is designed to interrogate the power and politics of athletic organizations (i. e. conferences and associations) that govern athletic programs. It includes the study of organizational structures for athletic association decision-making at the global, federal, state, county, and local levels, with emphasis on how and where influence can be exerted publicly and privately.

EDSS 811 Current Socio-Cultural & Ethical Issues in Sport Organizations (3)

This course covers current and emerging issues in sports. Learners investigate the intersectionality among sport, culture, and society to better understand the role and function of sport in contemporary society. Learners receive a broad overview of selected socio-cultural factors that influence participation in sports. Major ethical issues of sport in society will be explored.

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HBCU Sport Studies Graduate Courses**HBCU 851 MOTIVATIONAL BEHAVIOR OF HBCU BOWL/CLASSIC EVENT FANS (3)**

This course explores the psychological foundations of behavior and the mechanisms of motivational influence to support HBCU Bowl/Classic sporting events. Students will examine the sporting HBCU diaspora and HBCU sports culture associated with other events (battle of band, step show, homecoming, & etc.) using an Afrocentric paradigm.

HBCU 852 THE ATHLETIC EXPERIENCE AT HBCUs (3)

This course provides a socio-cultural and socio-historical overview of the contributions of HBCUs as institutions in terms of activism, protest, and social justice. The course will focus on the macro (patterns of behavior related to large-scale social structures and processes) and micro (behaviors we observe in society, often readily observable in the context of HBCU sport expression) sport analysis. Students will analyze

the athletic experience (men and women) at HBCUs in an Afrocentric paradigm.

HBCU 853 CRITICAL SPORT STUDIES OF HBCU ATHLETIC PROGRAMS (3)

This course focuses on the thinking in an informed and critical way about HBCU athletic programs as it pertains to sports in society. Students will examine the socio-cultural significance of sports as it relates to social class, race/ethnicity, gender, identity, and intercollegiate athletics in the context of the collegiate model operating in a global sport industry and a Pan-African paradigm. Students will analyze HBCU athletic programs using critical race theory as an epistemological framework.

NCAA Compliance Graduate Courses

NCAA 854 NCAA GOVERNANCE (3)

This course examines the National Collegiate Athletic Association (NCAA) governance structure, policies, and legislative process. Students will receive broad theoretical knowledge, analyze governance topics, and the overall governing organization. Students will probe case studies to develop a comprehensive framework based on the policies and procedures of the NCAA.

NCAA 855 NCAA COMPLIANCE (3)

This course analyzes infraction case studies of the National Collegiate Athletic Association (NCAA) to gain experience and develop a framework of compliance. Students will analyze the compliance topics and NCAA functions. Students will evaluate enforcement procedures, waivers processes, and the evolution of the NCAA policies and procedures.

NCAA 856 CURRENT NCAA TRENDS IN ACADEMIC PROGRESS RATE (APR) (3)

This course explores the National Collegiate Athletic Association (NCAA) Division I Academic Progress Rate (APR) as a policy. Students will review the essential components of the APR associated with the term-by-term measure of eligibility and retention of college athletes. Students will explore critical issues and current trends in APR, the APR improvement plan assessment, and the APR penalty structure.

Health Education Course Descriptions

HED 532 Epid & Human Ecol (3 Credits)

Lecture: 3, **Lab:** 0

EPIDEMIOLOGY AND HUMAN ECOLOGY (3) Biologic relations between man and his environment and other organisms. Identification of factors influencing health and disease in a population. An examination of epidemiological methods to understand their technique of hypothesis formation, retrospective and prospective methods, and sampling problems.

College/School: College Of Education

Department: Dept of Health & Kinesiology

HED 534 Survey Of Health Politics (3 Credits)

Lecture: 3, **Lab:** 0

SURVEY OF HEALTH POLITICS (3) An in-depth analysis of laws pertaining to the health field; impact of relationships between and among patients, patients' families, providers and other third party participants. A review of selected Texas statutes and health litigation will be conducted.

College/School: College Of Education

Department: Dept of Health & Kinesiology

HED 535 Sem International Health (3 Credits)

Lecture: 3, **Lab:** 0

SEMINAR IN RURAL AND INTERNATIONAL HEALTH (3) Presentation of topics related to rural and international health systems and impact of these systems on state, national, and international perspectives.

College/School: College Of Education

Department: Dept of Health & Kinesiology

HED 536 Contemp Urban Hlth Probs (3 Credits)

Lecture: 3, **Lab:** 0

CONTEMPORARY URBAN HEALTH PROBLEMS (3) Review of factors relating to selected high morbidity and mortality in urban environments; distribution of urban health services; impact and utilization of urban wellness programs. Study of related problems faced by practicing health educators in a rapidly changing society and health care industry and service system.

College/School: College Of Education

Department: Dept of Health & Kinesiology

HED 538 Health Probs Of The Aged (3 Credits)

Lecture: 3, **Lab:** 0

HEALTH ISSUES OF AGING, DEATH AND DYING (3) Emphasis on social, economic, and physical problems of the aged and benefits of wellness programs. Community response to health problems of aging persons; issues related to death.

College/School: College Of Education

Department: Dept of Health & Kinesiology

HED 570 Admin Of Health Education (3 Credits)

Lecture: 3, **Lab:** 0

ORGANIZATION AND ADMINISTRATION OF SCHOOL AND COMMUNITY HEALTH EDUCATION (3) Principles and functions of organization and administration of school and community agencies. Designed to assist the health education specialist to develop and manage formalized school and community educational programs. Emphasis on wellness.

College/School: College Of Education

Department: Dept of Health & Kinesiology

HED 571 Hlth Probs Alco Nar & Tobacco (3 Credits)

Lecture: 3, **Lab:** 0

HEALTH PROBLEMS OF ALCOHOL, NARCOTICS, AND TOBACCO (3) A comprehensive study of the harmful and beneficial effects of drugs, the physical effects, and socioeconomic-cultural impacts on the community, especially among youth. Legislative and educational efforts in this area.

College/School: College Of Education

Department: Dept of Health & Kinesiology

HED 572 Safety Education (3 Credits)

Lecture: 3, **Lab:** 0

SAFETY EDUCATION (3) Advanced study of situations related to safety in contemporary society; focus on physical, biological, environmental, and cultural influences that impact safety of individuals in a global society.

College/School: College Of Education

Department: Dept of Health & Kinesiology

HED 573 Community Health Problems (3 Credits)**Lecture:** 3, **Lab:** 0**College/School:** College Of Education**Department:** Dept of Health & Kinesiology**HED 574 Hlth Manpower Issues (3 Credits)****Lecture:** 3, **Lab:** 0

HEALTH MANPOWER ISSUES (3) Survey of health occupations by job function, geographic distribution, functional equivalencies, and available training. Issues development and trends in the discipline in schools, the community, industry, and institutional settings. Review of issues confronting health personnel.

College/School: College Of Education**Department:** Dept of Health & Kinesiology**HED 577 Human Sexuality & Dev (3 Credits)****Lecture:** 3, **Lab:** 0

HUMAN SEXUALITY: ISSUES AND CONSIDERATIONS (3) Advanced study exploring biological, psychological, social/cultural dimensions of human sexuality as these are affected by human relations. Focuses on issues related to impact of sexuality on human wellbeing and quality of life.

College/School: College Of Education**Department:** Dept of Health & Kinesiology**HED 831 Research Planning (3 Credits)****Lecture:** 0, **Lab:** 6

RESEARCH PLANNING IN HEALTH AND PHYSICAL EDUCATION (3) Research design application to HPE. Provides a conceptual understanding of theories, tools, and processes involved in designing research studies.

College/School: College Of Education**Department:** Dept of Health & Kinesiology**HED 890 Thesis in Health (3 Credits)****Lecture:** 3**College/School:** College Of Education**Department:** Dept of Health & Kinesiology

Kinesiology

KIN 502 Strength & Fitness Devel (3 Credits)**Lecture:** 3

Strength and Fitness Development (3) Theoretical bases of strength development; recognition of the compounds of fitness; development and evaluation of fitness programs and types of strength.

College/School: College Of Education**Department:** Dept of Health & Kinesiology**KIN 531 Advanced Theory & Practice (3 Credits)****Lecture:** 3

Advanced Theory and Practice (3) A study of the technique and strategy used in various physical education and fitness programs and types of strength.

College/School: College Of Education**Department:** Dept of Health & Kinesiology**KIN 534 Admin Of Athletics (3 Credits)****Lecture:** 3

Administration of Athletics (3) A study of administrative details, policies, and procedures related to high school and college athletics.

College/School: College Of Education**Department:** Dept of Health & Kinesiology**KIN 535 Adv Tests Meas Hlth Phy Ed Rec (3 Credits)****Lecture:** 3

Advanced Tests and Measurements (3) A study of various kinds of tests used in the field of physical education; includes practical experience in the administration of tests and the use of statistics to interpret test scores.

College/School: College Of Education**Department:** Dept of Health & Kinesiology**KIN 536 Adapt Phy Edu For Atypica (3 Credits)****Lecture:** 3

Adapted Physical Education for the Atypical Individual (3) The various types of physical activities and the ways in which they may be modified to meet the needs of individuals who are physically handicapped to the extent that they are unable to participate in the regular program of physical education activities.

College/School: College Of Education**Department:** Dept of Health & Kinesiology**KIN 540 Sports Psychology (3 Credits)****Lecture:** 3

Sports Psychology (3) A study of motivation, communication, stress management, the use of natural energy, and other fascinating topics for enhancing coach-athlete relationships and for stimulating improved sports performers. Also, ACEP Certification.

College/School: College Of Education**Department:** Dept of Health & Kinesiology**KIN 576 Motivational Aspects Phys (3 Credits)****Lecture:** 3

Motivational Aspects of Physical Activity (3) An analysis of factors influencing motivation of motor performance with emphasis on competition, audience effects, aggression, etc.

College/School: College Of Education**Department:** Dept of Health & Kinesiology**KIN 578 Motor Development (3 Credits)****Lecture:** 3

Motor Development (3) Hereditary and environmental determinants of motor development; motor and behavior skills of infants, children, adolescents, and adults; changes in size, body build, fitness, and motor performances. Current theories of motor performances.

College/School: College Of Education**Department:** Dept of Health & Kinesiology**KIN 631 Curr Study In Admin Of Phy Edu (3 Credits)****Lecture:** 3

Current Studies in the Administration of Health and Physical Education (3) Studies of representative programs of physical education and a discussion of standards for evaluating such programs, offered for administrative officers, as well as for teachers and directors of physical education.

College/School: College Of Education**Department:** Dept of Health & Kinesiology**KIN 632 Supv Of Hlth & Phys Ed (3 Credits)****Lecture:** 3

Supervision of Health and Physical Education (3) A critical study of methods of instruction and procedures in supervision. Provision is made for the required observation of and participation in physical education classes.

College/School: College Of Education**Department:** Dept of Health & Kinesiology

KIN 633 Curr Cont Mthd Hlth & Phy Edu (3 Credits)**Lecture:** 3

Curriculum Content and Methods in Health and Physical Education (3) An analysis of curriculum theory and design for physical education.

College/School: College Of Education**Department:** Dept of Health & Kinesiology**KIN 638 Physiology Of Exercise II (3 Credits)****Lecture:** 3

Physiology of Exercise (3) A study of the effects of exercise on the organism.

College/School: College Of Education**Department:** Dept of Health & Kinesiology**KIN 676 Motivational Aspects Phys (3 Credits)****Lecture:** 3**College/School:** College Of Education**Department:** Dept of Health & Kinesiology**KIN 831 Research Planning (3 Credits)****Lecture:** 3

Research Planning in Health, Human Performance, and Recreation (3) Research design applicable to HPE. Provides a conceptual understanding of theories, tools, and processes involved in designing research studies.

College/School: College Of Education**Department:** Dept of Health & Kinesiology**KIN 833 Sport Management & Marketing (3 Credits)****Lecture:** 3

Sports Management and Marketing (3) Presentation of cognitive data and experiences in relation to sports and athletic marketing/ management.

The problem approach is used as the primary technique in methodology in the solution of marketing/management problems.

College/School: College Of Education**Department:** Dept of Health & Kinesiology**KIN 890 Thesis in Human Performance (3 Credits)****Lecture:** 3**College/School:** College Of Education**Department:** Dept of Health & Kinesiology

Foundation

SSFD 661 Legal Aspects of Sport Business (3 Credits)**Lecture:** 3

This course is a comprehensive review of legal aspects affecting sport, recreation, and fitness Industries. The range of review includes civil procedure; contracts; employment, leases, waivers; tort liability for coaches, administrators, employees, and independent contractors; 14th Amendment, Due Process and Equal Protection; product liability; and statutory regulation including Title VII, Title IX, ADA, Anti-Trust and IRS code.

College/School: College Of Education**Department:** Dept of Health & Kinesiology**SSFD 663 African Americans, Latin Americans & Women In Sports And The Sport Industry (3 Credits)****Lecture:** 3

Knowledge of African American and Hispanic world views, cultural values, societal and socioeconomic factors form a basis for evaluation and development of physical activity/sport programs to assist academic retention and success. A historical and sociological study of women and sports in American culture and an examination of the recent changes in women's athletics.

College/School: College Of Education**Department:** Dept of Health & Kinesiology**SSFD 664 Problems In Urban Recreation and Sports (3 Credits)****Lecture:** 3

This course provides a critical analysis of the causes and consequences of contemporary problems in urban sports. Students will utilize the case-study approach to examine the social, political and economic factors influencing the structure and experience of sport in American cities.

Emphasis will be placed on formulating solutions and potential strategies to address identified problems.

College/School: College Of Education**Department:** Dept of Health & Kinesiology**SSFD 667 Graduate Sport Management Practicum (3 Credits)****Lecture:** 3

Student is placed in a full-time position in the sport industry.

(Prerequisites: Students must have completed all course work, must have successfully passed the comprehensive examination, and must have an approved application for Practicum. Also, an acceptable site must be available.) (Prerequisite: All preceding requirements for Master of Science.)

College/School: College Of Education**Department:** Dept of Health & Kinesiology**SSFD 668 Graduate Thesis In Progress (3 Credits)****Lecture:** 3

The writing of the thesis is under the supervision of a thesis advisor from the graduate faculty of the Department of Health and Kinesiology. (Prerequisite: All preceding requirements for Master of Science.)

College/School: College Of Education**Department:** Dept of Health & Kinesiology**SSFD 896 Sport Management Study Away/Study Abroad I (1 Credits)****Lecture:** 1

This course will provide students an examination of the principles involved in planning and managing external remote sporting events outside of Houston and Texas Southern University. It provides students with orientation, observations and field experiences in the development of external remote sporting events. Students will also partake in tours, hospitality management, and external remote sporting events related to the core product of the sporting competitions themselves. May be repeated for credit, up to 3 hours.

College/School: College Of Education**Department:** Dept of Health & Kinesiology**SSFD 897 Sport Management Study Away/ Study Abroad II (1 Credits)****Lecture:** 1

This course will provide students an examination of the principles involved in planning and managing external remote sporting events outside of Houston and Texas Southern University. It provides students with orientation, observations and field experiences in the development of external remote sporting events. Students will also partake in tours, hospitality management, and external remote sporting events related to the core product of the sporting competitions themselves. May be repeated for credit.

College/School: College Of Education**Department:** Dept of Health & Kinesiology

SSFD 898 Global Sport, Culture, & Leadership (3 Credits)**Lecture: 3**

Description This course will explore sport within several countries and the globalization of sport. Students will meet with and learn from entrepreneurs, managers, administrators, and leaders in sport business areas of marketing, operations, management, law, and others. This course will provide application for the development of skills necessary to be an effective and efficient leader regarding communication, motivation and corporate decision making in sport.

College/School: College Of Education

Department: Dept of Health & Kinesiology

SSFD 8398 Global Sport, Culture & Leadership (3 Credits)**Lecture: 2, Lab: 1**

This course will explore sport within several countries and the globalization of sport. Students will meet with and learn from entrepreneurs, managers, administrators, and leaders in sport business areas of marketing, operations, management, law, and others. This course will provide application for the development of skills necessary to be an effective and efficient leader regarding communication, motivation and corporate decision making in sport.

College/School: College Of Education

Department: Dept of Health & Kinesiology

Sport Management

SSSM 531 Sport Marketing, Sport Publicity & Promotion (3 Credits)**Lecture: 3**

Foundations of consumer behavior and sport marketing planning. Design and implementation of marketing plans. The integration of product, pricing, promotion, distribution, sales, sponsorship, advertising, and branding in the marketing of sport goods and services. Analysis of leagues, teams, events, properties, corporations, and manufacturers. The role of ethics in sport marketing. Covers the application of various promotional strategies such as advertising, direct sales, sales promotions and publicity and examines how those strategies are integral to a sport organization's marketing plan.

College/School: College Of Education

Department: Dept of Health & Kinesiology

SSSM 533 Business Development Strategies and Ticket Sales (3 Credits)**Lecture: 3**

This course offers a comprehensive understanding of business development and the sales process in the sport industry. Beginning with a fundamental overview of business development and sales theory and strategy, the course then provides sport specific insight into negotiation in the sport sponsorship process as well as ticket sales department structure, techniques and strategies. The role of ethics in business development and sales will be discussed.

College/School: College Of Education

Department: Dept of Health & Kinesiology

SSSM 646 Sports Information, Media Relations, Social Networking, and Brand Creation (3 Credits)**Lecture: 3**

Emphasizes building and managing an effective media relations program on the intercollegiate and professional level. Examines news releases, hometown features, contest management, press conferences, statistics, and publications. After successful completion of this course, students will be able to explain the role of print media (newspapers and magazines), electronic (radio, network television and cable television) and new media (internet and related digital and social interactive technologies) in escalating the interest, coverage, and importance of big-time college and professional sport.

College/School: College Of Education

Department: Dept of Health & Kinesiology

SSSM 648 Strategic Management & Finance In Sports (3 Credits)**Lecture: 3**

Strategic management and human resources. Understanding the value chain, competitive forces that affect a firm, factors affect each force, strategic choices including low-cost leader and differentiated products, methods to achieve each strategic choice. Also, understanding groups and teams, negotiation, resource allocation, governance, recruitment of employees, training and development, employee motivation and compensation. The role of ethics in strategic management and human resources. Develop an understanding of how to apply basic principles and concepts of finance in the operation of athletics and sports programs and some critical skills of financial management required of sports administrators.

College/School: College Of Education

Department: Dept of Health & Kinesiology

Sport Operation

SSSO 531 Sport Operation & Facility Preparation (3 Credits)**Lecture: 3**

This course is concerned with the study of operations management in sport organizations. Students will consider the processes of design, implementation and control of sport service operations. The course will include examination of performance management techniques and their application to the sport and recreation context. Examination of current practice will be undertaken throughout the course. Principles and techniques of planning and operating sport facilities. Emphasizes principles and concepts of organization and administration including communication, personnel management, management of physical resources, and risk management. Examines variety of sport operations such as indoor stadiums, athletic field complexes and managing recreation and intramural activities.

College/School: College Of Education

Department: Dept of Health & Kinesiology

SSSO 533 Sport Operation Management (3 Credits)**Lecture: 3**

This course focuses on the operations management of games, events, experiences and activities within the world of Sport. All operations provide goods and services by devising processes which transform or change the state or condition to produce output. Sport and related activities are no exception. The operations manager is responsible for the activities, decision-making and duties associated with managing the transformation process. Applies the principles and functions of management to the development, operation, and financing of sports facilities, including public and private arenas, coliseums, and stadiums. Use of risk management, feasibility studies, and financial concepts.

College/School: College Of Education

Department: Dept of Health & Kinesiology

SSSO 648 Front Office Operation In Sport (3 Credits)**Lecture: 3**

This course will examine the various organizational structures and business practices employed by a 'front office' in the sports industry. Students will examine the interaction of revenue production (both traditional and non-traditional). A study of a systematic front office lodging procedures and operations, including identification and duties of the front office staff, guest relations, front office salesmanship, room procedures and handling of cash/credit transactions. Topics include ticket collection, ticket/guest list, guest satisfaction, occupancy and revenue management, security, interdepartmental communications, and related services.

College/School: College Of Education

Department: Dept of Health & Kinesiology

Recreation and Leisure Studies Courses

SSRL 551 Aquatic Facility Management (3 Credits)**Lecture: 3**

Operation, maintenance, and management of aquatic facilities used for recreation, exercise, therapy, competition, education programs, and other aquatic-related programs. Aquatic Facility Management provides current and future aquatics professionals with a complete guide to running aquatics programs safely and effectively. This practical reference covers everything an aquatics director needs.

College/School: College Of Education

Department: Dept of Health & Kinesiology

SSRL 553 Fiscal Policies For Recreation and Leisure Services Organizations (3 Credits)**Lecture: 3**

Application of fiscal policies and procedures to operation of recreation, leisure services, and sport related organizations. Organizational fiscal policy, finance, performance based budgeting, revenue generating strategies, cash and inventory control, commercial/public cooperative ventures, development of logic models, fundraising and development, and strategies for seeking grants and contracts.

College/School: College Of Education

Department: Dept of Health & Kinesiology

SSRL 678 Managing Commercial and Tourism Industry Leisure Services (3 Credits)**Lecture: 3**

Focus on commercial recreation and tourism environment, principles, and concepts of management and marketing, and systematic techniques of analysis and inquiry. Application of concepts and skills in planning, design and evaluation to selected interest areas related to recreation and tourism services. Through use of analytical tools and processes, students prepare and defend an original evaluation project of a service program. Leisure service system planning through explanation of the scope and segmentation of the conference, convention and event market. Strategies in planning, developing and implementing meeting and convention services.

College/School: College Of Education

Department: Dept of Health & Kinesiology

Sport Studies

SSSS 641 NCAA Rules, Procedures & NCAA Compliance (3 Credits)**Lecture: 3**

This course is designed to give the student a working knowledge of National Collegiate Athletic Association (NCSA) compliance issues. It will present an overview of rules, eligibility, bylaws, and practices and procedures of the NCSA. The course provides a thorough study of the governing structure, rules, and legislative process within the NCSA. Examines compliance issues within a collegiate athletic department, including drug testing, self-reporting, academic progress rate (APR), and student-athlete eligibility. Examining and analyzing the bylaws, policies, and procedures of the National Collegiate Athletic Association (NCSA) is at the heart of the course. Students will be introduced to specific cases to develop a comprehensive understanding and appreciation of the NCSA, what it is, and how it functions.

College/School: College Of Education

Department: Dept of Health & Kinesiology

SSSS 643 Academic Advising & Life Skills (3 Credits)**Lecture: 3**

This course offers an overview of the foundations of academic advising and life skill training as an essential component of student success and retention programs on higher education campuses. Topics include definitions and concepts for developmental advising, literature and research on the key concepts of academic advising, exploration of the various models and delivery systems for academic advising; skills for effective advising; advising diverse populations; and training, development, evaluation, assessment, and reward systems for advisers and advising programs.

College/School: College Of Education

Department: Dept of Health & Kinesiology

SSSS 645 Financial Aspects & Fiscal Practices in Sport (3 Credits)**Lecture: 3**

This course involves an in-depth study of the financial challenges facing contemporary sports administrators, including an examination of financial data analysis, sources of funding, budgeting and financial accountability, inventory management and production control processes, profit distribution, taxation, and accounting processes. The course examines the financial and regulatory issues confronting sports, fitness, and recreation industry managers. Covers accounting principles, financial statements, and related concepts that help determine the viability and strength of financial decision making.

College/School: College Of Education

Department: Dept of Health & Kinesiology

SSSS 661 Legal Aspects of Sport Business (3 Credits)**Lecture:** 3

This course is a comprehensive review of legal aspects affecting sport, recreation and fitness industries. The range of review includes civil procedure, contracts, employment, leases, waivers, tort liability for coaches, administrators, employees, and independent contractors, 14th Amendment, Due Process and Equal Protection, product liability, and statutory regulation including Title VII, Title IX, ADA, Anti-Trust and IRS code.

College/School: College Of Education

Department: Dept of Health & Kinesiology

Sport Leadership

SSSL 643 Sport Leadership & Administration (3 Credits)**Lecture:** 3

This course is designed to introduce managerial and administrative concepts to athletic coaches. These concepts are integral to the successful development of an athletic program, information concerning the practical application of business models and theories pertaining to the athletic administration and sports coaching professions will be presented. Also, business techniques associated with the survival and growth of an athletic program will be examined.

College/School: College Of Education

Department: Dept of Health & Kinesiology

SSSL 647 The Ethical Leader (3 Credits)**Lecture:** 3

This course is concerned with the study of sports management ethics and the manner in which ethics can be applied and implemented in an individual's personal and professional life. It considers the conflicts that can arise when individual values conflict with those of the organization. Uses case studies and current events to examine actions leaders have taken and consequences faced when confronted with ethical dilemmas.

College/School: College Of Education

Department: Dept of Health & Kinesiology

SSSL 649 Developing Leadership Skills (3 Credits)**Lecture:** 3

College/School: College Of Education

Department: Dept of Health & Kinesiology

SSSL 659 Sport, Strategic Planning, and Tactical Analytics Capstone (3 Credits)**Lecture:** 3

The culmination of all course work and academic experience in the capstone course is with a capstone project that demonstrates the student's ability to apply the knowledge the student has gained from their experience within and outside the program. This course examines the data collection process, application, and management practices by utilizing strategic planning and tactical analytics as it applies to solving complex sport related issues.

College/School: College Of Education

Department: Dept of Health & Kinesiology

Health & Kinesiology (Health Education Concentration), Master of Science

Admissions

1. Undergraduate GPA of 2.5 or better; or 3.0 on last 60 hours
2. If required by the graduate degree program, GRE (General) or GMAT for Business programs (must be within five (5) years of your application date).
3. 3 letters of recommendation
4. Resume or Curriculum Vitae (current)
5. Personal Essay (300 – 500 words)
6. Application fee (\$75): Your application will not be processed until the fee is received.
7. Transcript (s): 2 copies sent directly to TSU from the institutions.

In addition to Items 1 through 7, International Students need to also supply the following information:

1. Affidavit of Support
2. Transcript Evaluation
3. TOEFL = 79 or IELTS (iBT) = 6.0 (if not from an English speaking country)

Summary

Code	Title	Hours
	Core Curriculum Requirements (p. 123)	15
	Health Education Concentration (p. 123)	15
	Electives (p. 124)	6
Total Hours		36

Core Requirements

Code	Title	Hours
HED 538	Health Probs Ot The Aged	3
HED 577	Human Sexuality & Dev	3
HED 831	Research Planning	3
KIN 632	Supv Of Hlth & Phys Ed	3
HED 570	Admin Of Health Education	3
Total Hours		15

Concentration Requirements

Code	Title	Hours
Select fifteen (15) credit hours from the following:		15
HED 532	Epid & Human Ecol	
HED 534	Survey Of Health Politics	
HED 536	Contemp Urban Hlth Probs	
"HED 537	Contemporary Rural Health Problems"	
HED 571	Hlth Probs Alco Nar & Tobacco	
HED 572	Safety Education	
HED 573	Community Health Problems	
HED 574	Hlth Manpower Issues	
"HED 576	County and Municipal Health Departments"	
HED 577	Human Sexuality & Dev	

"HED 639 Evaluation and Selection of health Materials"		
Total Hours		15
Electives		
Code	Title	Hours
Six (6) credits outside area electives from EDUC, SSSL, HED, or KIN		9
Total Hours		9

Health & Kinesiology (Kinesiology Concentration), Master of Science Admissions

1. Undergraduate GPA of 2.5 or better; or 3.0 on last 60 hours
2. If required by the graduate degree program, GRE (General) or GMAT for Business programs (must be within five (5) years of your application date).
3. 3 letters of recommendation
4. Resume or Curriculum Vitae (current)
5. Personal Essay (300 – 500 words)
6. Application fee (\$75): Your application will not be processed until the fee is received.
7. Transcript (s): 2 copies sent directly to TSU from the institutions.

In addition to Items 1 through 7, International Students need to also supply the following information:

1. Affidavit of Support
2. Transcript Evaluation
3. TOEFL = 79 or IELTS (iBT) = 6.0 (if not from an English speaking country)

Summary

Code	Title	Hours
Core Curriculum Requirements (p. 124)		15
Health Education Concentration (p. 124)		15
Electives (p. 124)		6
Total Hours		36

Core Curriculum

Code	Title	Hours
KIN 531	Advanced Theory & Practice	3
KIN 638	Physiology Of Exercise II	3
KIN 831	Research Planning	3
KIN 632	Supv Of Hlth & Phys Ed	3
HED 570	Admin Of Health Education	3
Total Hours		15

Concentration

Code	Title	Hours
Select fifteen (15) credit hours from the following:		15
KIN 502	Strength & Fitness Devel	
KIN 534	Admin Of Athletics	
KIN 535	Adv Tests Meas Hlth Phy Ed Rec	
KIN 536	Adapt Phy Edu For Atypica	

KIN 540	Sports Psychology
KIN 576	Motivational Aspects Phys
KIN 578	Motor Development
KIN 631	Curr Study In Admin Of Phy Edu
KIN 632	Supv Of Hlth & Phys Ed
KIN 633	Curr Cont Mthd Hlth & Phy Edu
KIN 833	Sport Management & Marketing
Total Hours	15

Electives		
Code	Title	Hours
Six (6) credits outside area electives from EDUC, SSSL, HED, or KIN		6
Total Hours		6

Sport Studies and Sport Leadership (Sport Administration Concentration Non-Thesis), Master of Science

The **Masters in Sport Studies and Sport Leadership (SSSL)** program at Texas Southern University (TSU) offers graduate courses focused on the business of sport. The program offers a thesis and non-thesis track as well as concentrations in Sport Administration and Sport Management. Upon completion of the SSSL program, graduates are prepared for leadership and customer-service based roles in the sports industry.

The program offers two concentrations in Sport Administration and Sport Management. Students seeking a concentration in Sport Administration will be prepared to assume leadership roles in the sports industry. Whereas students seeking a Sport Management concentration will be prepared to assume customer service and fan engagement-based positions in the field of sport.

Students may choose between a thesis and a non-thesis track. Students selecting the thesis track will learn more about research and typically have desire to pursue a doctoral degree. Under the direction and approval of a faculty advisor, students will complete a master thesis.

In the non-thesis track, students will have an opportunity to gain practical experience by completing an internship. Students selecting this track typically are preparing to enter or enhance their current career in the field of sport.

PROGRAM REQUIREMENTS

Students in this major will complete a total of thirty-six (36) semester credit hours of graduate courses (500 level or above): A minimum of twenty-seven (27) of these credit hours must be completed in Sport Studies and Sport Leadership and a minimum nine (9) approved elective credit hours must be must completed. In addition, the Master of Science degree in Sport Studies and Sport Leadership requires satisfactory completion of a comprehensive exam.

Admissions

1. Undergraduate GPA of 3.0
2. If required by the graduate degree program, GRE (General) or GMAT for Business programs (must be within five (5) years of your application date).
3. 3 letters of recommendation
4. Resume or Curriculum Vitae (current)

5. Personal Essay (300 – 500 words)
6. Application fee (\$75): Your application will not be processed until the fee is received.
7. Transcript (s): 2 copies sent directly to TSU from the institutions.

In addition to Items 1 through 7, International Students need to also supply the following information:

1. Affidavit of Support
2. Transcript Evaluation
3. TOEFL = 79 or IELTS (iBT) = 6.0 (if not from an English speaking country)

Summary

Code	Title	Hours
	Core Curriculum Requirements (p. 125)	18
	Concentration Course Requirements (p. 125)	9
	Electives (p. 125)	9
Total Hours		36

Foundation Core Requirements

Code	Title	Hours
EDFD 633	Research	3
EPSY 831	Educ Statistics	3
Total Hours		6

MAJOR Core Requirements

Code	Title	Hours
Required		
SSFD 667	Graduate Sport Management Practicum	3
Choose 3 courses (9 credits) the following:		9
EDSS 802	Sport Facility Management & Sport Event Planning	
EDSS 806	The History of Historically Black Colleges & Universities and the Sporting HBCU Diaspora	
EDSS 807	Legal Aspects of Sport Business	
EDSS 810	Management, Leadership and Critical Thinking In Sport Organizations	
EDSS 811	Socio-Cultural and Ethical Foundations of Sport	
Total Hours		12

Concentration Course Requirements

Code	Title	Hours
SSSA 511	Administration of Interscholastic & Intercollegiate Athletic Programs	3
SSSA 513	Sports Governance & Policy Development	3
SSSA 576	Risk Management and Legal Liability in Recreation and Leisure Activities	3
Total Hours		9

Elective Requirements

Code	Title	Hours
	9 approved credit hours of electives	9
Total Hours		9

Sport Studies and Sport Leadership (Sport Administration Concentration Thesis Option), Master of Science

The **Masters in Sport Studies and Sport Leadership (SSSL)** program at Texas Southern University (TSU) offers graduate courses focused on the business of sport. The program offers a thesis and non-thesis track as well as concentrations in Sport Administration and Sport Management. Upon completion of the SSSL program, graduates are prepared for leadership and customer-service based roles in the sports industry.

The program offers two concentrations in Sport Administration and Sport Management. Students seeking a concentration in Sport Administration will be prepared to assume leadership roles in the sports industry. Whereas students seeking a Sport Management concentration will be prepared to assume customer service and fan engagement-based positions in the field of sport.

Students may choose between a thesis and a non-thesis track. Students selecting the thesis track will learn more about research and typically have desire to pursue a doctoral degree. Under the direction and approval of a faculty advisor, students will complete a master thesis.

In the non-thesis track, students will have an opportunity to gain practical experience by completing an internship. Students selecting this track typically are preparing to enter or enhance their current career in the field of sport.

PROGRAM REQUIREMENTS

Students in this major will complete a total of thirty-six (36) semester credit hours of graduate courses (500 level or above): A minimum of twenty-seven (27) of these credit hours must be completed in Sport Studies and Sport Leadership and a minimum nine (9) approved elective credit hours must be must completed. In addition, the Master of Science degree in Sport Studies and Sport Leadership requires satisfactory completion of a comprehensive exam.

Admissions

1. Undergraduate GPA of 3.0
2. If required by the graduate degree program, GRE (General) or GMAT for Business programs (must be within five (5) years of your application date).
3. 3 letters of recommendation
4. Resume or Curriculum Vitae (current)
5. Personal Essay (300 – 500 words)
6. Application fee (\$75): Your application will not be processed until the fee is received.
7. Transcript (s): 2 copies sent directly to TSU from the institutions.

In addition to Items 1 through 7, International Students need to also supply the following information:

1. Affidavit of Support
2. Transcript Evaluation
3. TOEFL = 79 or IELTS (iBT) = 6.0 (if not from an English speaking country)

Summary

Code	Title	Hours
Foundation Core & Major Core Curriculum Requirements (p. 126)		18
Concentration Course Requirements (p. 126)		9
Electives (p. 126)		9
Total Hours		36

FOUNDATION CORE Requirements

Code	Title	Hours
EDFD 633	Research	3
EPSY 831	Educ Statistics	3
Total Hours		6

MAJOR Core Requirements

Code	Title	Hours
Required		
SSFD 668	Graduate Thesis In Progress	3
Select 3 courses from:		9
EDSS 802	Sport Facility Management & Sport Event Planning	
EDSS 806	The History of Historically Black Colleges & Universities and the Sporting HBCU Diaspora	
EDSS 807	Legal Aspects of Sport Business	
EDSS 810	Management, Leadership and Critical Thinking In Sport Organizations	
EDSS 811	Socio-Cultural and Ethical Foundations of Sport	
Total Hours		12

Concentration Course requirements

Code	Title	Hours
SSSA 511	Administration of Interscholastic & Intercollegiate Athletic Programs	3
SSSA 513	Sports Governance & Policy Development	3
SSSA 576	Risk Management and Legal Liability in Recreation and Leisure Activities	3
Total Hours		9

Elective Requirements

Code	Title	Hours
9 approved credit hours of electives		9
Total Hours		9

Sport Studies and Sport Leadership (Sport Management Concentration Non-Thesis), Master of Science

The **Masters in Sport Studies and Sport Leadership (SSSL)** program at Texas Southern University (TSU) offers graduate courses focused on the business of sport. The program offers a thesis and non-thesis track as well as concentrations in Sport Administration and Sport Management. Upon completion of the SSSL program, graduates are prepared for leadership and customer-service based roles in the sports industry.

The program offers two concentrations in Sport Administration and Sport Management. Students seeking a concentration in Sport Administration

will be prepared to assume leadership roles in the sports industry. Whereas students seeking a Sport Management concentration will be prepared to assume customer service and fan engagement-based positions in the field of sport.

Students may choose between a thesis and a non-thesis track. Students selecting the thesis track will learn more about research and typically have desire to pursue a doctoral degree. Under the direction and approval of a faculty advisor, students will complete a master thesis.

In the non-thesis track, students will have an opportunity to gain practical experience by completing an internship. Students selecting this track typically are preparing to enter or enhance their current career in the field of sport.

PROGRAM REQUIREMENTS

Students in this major will complete a total of thirty-six (36) semester credit hours of graduate courses (500 level or above): A minimum of twenty-seven (27) of these credit hours must be completed in Sport Studies and Sport Leadership and a minimum nine (9) approved elective credit hours must be must completed. In addition, the Master of Science degree in Sport Studies and Sport Leadership requires satisfactory completion of a comprehensive exam.

Admissions

1. Undergraduate GPA of 3.0
2. If required by the graduate degree program, GRE (General) or GMAT for Business programs (must be within five (5) years of your application date).
3. 3 letters of recommendation
4. Resume or Curriculum Vitae (current)
5. Personal Essay (300 – 500 words)
6. Application fee (\$75): Your application will not be processed until the fee is received.
7. Transcript (s): 2 copies sent directly to TSU from the institutions.

In addition to Items 1 through 7, International Students need to also supply the following information:

1. Affidavit of Support
2. Transcript Evaluation
3. TOEFL = 79 or IELTS (iBT) = 6.0 (if not from an English speaking country)

Summary

Code	Title	Hours
Foundation Core & Major Core Curriculum Requirements (p. 126)		18
Concentration Course Requirements (p. 127)		12
Electives (p. 127)		6
Total Hours		36

FOUNDATION CORE

Code	Title	Hours
EDFD 633	Research	3
EPSY 831	Educ Statistics	3
Total Hours		6

MAJOR Core Curriculum Requirements

Code	Title	Hours
Required		
SSFD 667	Graduate Sport Management Practicum	3
Select 3 courses from:		9
EDSS 802	Sport Facility Management & Sport Event Planning	
EDSS 806	The History of Historically Black Colleges & Universities and the Sporting HBCU Diaspora	
EDSS 807	Legal Aspects of Sport Business	
EDSS 810	Management, Leadership and Critical Thinking In Sport Organizations	
EDSS 811	Socio-Cultural and Ethical Foundations of Sport	
Total Hours		12

Concentration Course Requirements

Code	Title	Hours
SSSM 531	Sport Marketing, Sport Publicity & Promotion	3
SSSM 533	Business Development Strategies and Ticket Sales	3
SSSM 646	Sports Information, Media Relations, Social Networking, and Brand Creation	3
Total Hours		9

Elective Requirements

Code	Title	Hours
9 approved credit hours of electives		9
Total Hours		9

Sport Studies and Sport Leadership (Sport Management Concentration Thesis Option), Master of Science

The **Masters in Sport Studies and Sport Leadership (SSSL)** program at Texas Southern University (TSU) offers graduate courses focused on the business of sport. The program offers a thesis and non-thesis track as well as concentrations in Sport Administration and Sport Management. Upon completion of the SSSL program, graduates are prepared for leadership and customer-service based roles in the sports industry.

The program offers two concentrations in Sport Administration and Sport Management. Students seeking a concentration in Sport Administration will be prepared to assume leadership roles in the sports industry. Whereas students seeking a Sport Management concentration will be prepared to assume customer service and fan engagement-based positions in the field of sport.

Students may choose between a thesis and a non-thesis track. Students selecting the thesis track will learn more about research and typically have desire to pursue a doctoral degree. Under the direction and approval of a faculty advisor, students will complete a master thesis.

In the non-thesis track, students will have an opportunity to gain practical experience by completing an internship. Students selecting this track typically are preparing to enter or enhance their current career in the field of sport.

PROGRAM REQUIREMENTS

Students in this major will complete a total of thirty-six (36) semester credit hours of graduate courses (500 level or above): A minimum of twenty-seven (27) of these credit hours must be completed in Sport Studies and Sport Leadership and a minimum nine (9) approved elective credit hours must be must completed. In addition, the Master of Science degree in Sport Studies and Sport Leadership requires satisfactory completion of a comprehensive exam.

Admissions

1. Undergraduate GPA of 3.0
2. If required by the graduate degree program, GRE (General) or GMAT for Business programs (must be within five (5) years of your application date).
3. 3 letters of recommendation
4. Resume or Curriculum Vitae (current)
5. Personal Essay (300 – 500 words)
6. Application fee (\$75): Your application will not be processed until the fee is received.
7. Transcript (s): 2 copies sent directly to TSU from the institutions.

In addition to Items 1 through 7, International Students need to also supply the following information:

1. Affidavit of Support
2. Transcript Evaluation
3. TOEFL = 79 or IELTS (iBT) = 6.0 (if not from an English speaking country)

Summary

Code	Title	Hours
Foundation Core & Major Core Curriculum Requirements (p. 127)		18
Concentration Course Requirements (p. 128)		9
Electives (p. 128)		9
Total Hours		36

FOUNDATION CORE requirements

Code	Title	Hours
EDFD 633	Research	3
EPSY 831	Educ Statistics	3

MAJOR Core Requirements

Code	Title	Hours
Required		
SSFD 668	Graduate Thesis In Progress	3
Select 3 courses from:		9
EDSS 802	Sport Facility Management & Sport Event Planning	
EDSS 806	The History of Historically Black Colleges & Universities and the Sporting HBCU Diaspora	
EDSS 807	Legal Aspects of Sport Business	
EDSS 810	Management, Leadership and Critical Thinking In Sport Organizations	
EDSS 811	Socio-Cultural and Ethical Foundations of Sport	
Total Hours		12

Concentration Course Requirements

Code	Title	Hours
SSSM 531	Sport Marketing, Sport Publicity & Promotion	3
SSSM 533	Business Development Strategies and Ticket Sales	3
SSSM 646	Sports Information, Media Relations, Social Networking, and Brand Creation	3
Total Hours		9

Elective

Code	Title	Hours
9 approved credit hours of electives		9
Total Hours		9

Sport Studies Doctoral Minor

Code	Title	Hours
Select 12 hours from the following:		12
EDAA 908	Executive Managing the Process of the Enterprise in Athletic Programs	
EDAA 912	Athletic Assessment and Program Evaluation of Athletic Programs	
EDAA 914	Leading Change Through Cultural Competence in Athletic Programs	3
EDSL 909	Entrepreneurship Business Design in Sport Organizations	
EDSL 913	Emotional intelligence and Leadership in Sport Organizations	
EDSL 917	Strategic Forecasting and Tactical Planning in Sport Organizations	
EDSE 800	Introduction to Critical Sports Studies	3
EDSF 800	Introduction to Sports Studies	
EDSS 802	Sport Facility Management & Sport Event Planning	
EDSS 806	The History of Historically Black Colleges & Universities and the Sporting HBCU Diaspora	
EDSS 807	Legal Aspects of Sport Business	
EDSS 810	Management, Leadership and Critical Thinking In Sport Organizations	
EDSS 811	Socio-Cultural and Ethical Foundations of Sport	

Under Construction

Athletic Administration, Executive Doctoral Certificate (Online)

Code	Title	Hours
EDAA 908	Executive Managing the Process of the Enterprise in Athletic Programs	3
EDAA 912	Athletic Assessment and Program Evaluation of Athletic Programs	3
EDAA 916	Leading Change Through Cultural Competence in Athletic Programs	3
Total Hours		9

Critical Sport Studies

Executive Doctoral Certificates (Online) in Athletic Administration or Sport Leadership

These certificates are intended for professionals working in intercollegiate athletics, sports franchises, or industries related to sport business industry research and sports studies, and consists of coursework in athletic administration, sport leadership, sports analytics and tactics, strategic assessment and program evaluation methods, and sport management.

These certificates are available for any eligible applicants. Applicants will need to apply for the certificate program via the normal Graduate School application process. The minimum application requirements and criteria for admission consideration will be as follows:

- Evidence of a master's degree from an accredited institution (minimum cumulative GPA of 2.5).
- An official transcript of all undergraduate and graduate course work.
- A career-objective essay (max 500 words) including a description of how the Executive Doctoral Certificate in Athletic Administration (Online) program fits into the applicant's career plans.
- A current résumé.

In addition, students accepted to the Doctoral Curriculum & Instructions are automatically eligible to pursue the Executive Doctoral Certificate (Online) in Athletic Administration or Sport Leadership.

Should a student successfully complete the Executive Doctoral Certificate in Athletic Administration or Sport Leadership program and subsequently apply for and be accepted to the Doctor of Educational in Curriculum & Instructions or in Curriculum & Instruction programs the certificate courses can be applied towards degree program completion provided they meet minimum grade requirements and have not been used for credit towards any other degree program and as approved by the program adviser.

Sport Leadership, Executive Doctoral Certificate (Online)

Code	Title	Hours
EDSL 909	Entrepreneurship Business Design in Sport Organizations	3
EDSL 913	Emotional intelligence and Leadership in Sport Organizations	3
EDSL 917	Strategic Forecasting and Tactical Planning in Sport Organizations	3
Total Hours		9

Critical Sport Studies

Executive Doctoral Certificates (Online) in Athletic Administration or Sport Leadership

These certificates are intended for professionals working in intercollegiate athletics, sports franchises, or industries related to sport business industry research and sports studies, and consists of coursework in athletic administration, sport leadership, sports analytics and tactics, strategic assessment and program evaluation methods, and sport management.

These certificates are available for any eligible applicants. Applicants will need to apply for the certificate program via the normal Graduate School

application process. The minimum application requirements and criteria for admission consideration will be as follows:

- Evidence of a master's degree from an accredited institution (minimum cumulative GPA of 2.5).
- An official transcript of all undergraduate and graduate course work.
- A career-objective essay (max 500 words) including a description of how the Executive Doctoral Certificate in Athletic Administration (Online) program fits into the applicant's career plans.
- A current résumé.

In addition, students accepted to the Doctoral Curriculum & Instructions are automatically eligible to pursue the Executive Doctoral Certificate (Online) in Athletic Administration or Sport Leadership.

Should a student successfully complete the Executive Doctoral Certificate in Athletic Administration or Sport Leadership program and subsequently apply for and be accepted to the Doctor of Educational in Curriculum & Instructions or in Curriculum & Instruction programs the certificate courses can be applied towards degree program completion provided they meet minimum grade requirements and have not been used for credit towards any other degree program and as approved by the program adviser.

Under Construction

Jesse H. Jones School of Business

Overview

The Jesse H. Jones School of Business consists of three departments:

- Accounting
- Business Administration, and
- Finance and Economics.

The School offers the following three graduate degree programs:

- the Master of Business Administration (MBA),
- an online Executive Master of Business Administration (EMBA), and
- the Master of Science in Management Information Systems (M.S. in MIS).

The School also offers the following five undergraduate degree programs:

- the Bachelor of Business Administration in Accounting,
- the Bachelor of Business Administration in Finance,
- the Bachelor of Business Administration in Management,
- the Bachelor of Business Administration in Management Information Systems, and
- the Bachelor of Business Administration in Marketing.

Students should refer to the Undergraduate Catalog of Texas Southern University for information on the undergraduate degree programs.

The School is administratively organized with a Dean who is assisted by an Associate Dean for Academics, an Assistant Dean for Business Student Services, Assistant Dean for Administration and Assessment, two department chairpersons, and support staff. All administrative offices including departmental offices and the office of graduate programs in business are located in the Jesse H. Jones School of Business building.

Vision

The Jesse H. Jones School of Business will be a leading provider of quality business education, research, and engagement in an innovative and student-centered community of continual learners.

Mission

The Jesse H. Jones School of Business is a constituent part of Texas Southern University, a comprehensive metropolitan university located in Houston, Texas. We offer baccalaureate and master's degree programs to a diverse student population that is primarily first generation college students.

Our mission is to transform students into leaders in the global market place. To achieve the mission, we provide quality education in an entrepreneurial, global context through effective teaching, theoretical and applied research, and community engagement in a student-centered environment.

Core Values

Our actions are guided by fundamental values and flow from a commitment to

- Student-Centered Learning
- Global Perspective
- Community Engagement
- Professionalism
- Innovativeness

Good Academic Standing

To remain in good academic standing, a business graduate student must maintain an overall grade point average (GPA) of 3.00.

Accreditation

The University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award bachelors, masters, professional, and doctoral degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions about the status of Texas Southern University. Additionally, the School of Business is accredited by The Association to Advance Collegiate Schools of Business (AACSB).

The Business Library

The Business Library is located on the fifth floor of the Robert J. Terry Library and combines resources for accounting, business, and economics. The Business Library has over 52,500 volumes and subscribes to more than 300 serials. Extensive files of corporate financial reports and business and financial services are available. Computerized interlibrary loan services link the Library with others throughout the nation and world. Electronic resources are substantial, including more than 300 databases that provide a comprehensive list of scholarly journals with access to more than 63,000 full text articles covering a broad scope of disciplines. Also included are e-books, videos, newspapers, graphics and some reference materials. Off campus access to electronic resources is available. For the faculty, students, and staff, the TexShare Consortium provides access to participating state university and college libraries, including those of the University of Houston and Rice University, the Houston Public Library and several other Houston area libraries.

Degree Programs Description

The graduate degree programs offered by the Jesse H. Jones School of Business are described in detail in Programs tab.

- Executive Master of Business Administration (EMBA) (p. 134)
- Executive Master of Business Administration (Energy Finance Concentration), EMBA (p. 135)
- Graduate Certificate: Data Analytics (p. 136)
- Master of Business Administration (Accounting Concentration), MBA (p. 136)
- Master of Business Administration (Health Care Administration Concentration), MBA (p. 138)
- Master of Business Administration (Management Information Systems Concentration), MBA (p. 139)
- Master of Business Administration (MBA) (p. 141)
- Master of Business Administrations (Business Analytics Concentration), MBA (p. 142)
- Master of Science Management Information Systems (Data Analytics Concentration), MIS (p. 143)
- Master of Science Management Information Systems, MIS (p. 144)

Accounting

ACCT 600 Oil and Gas Accounting (3-9 Credits)

Lecture: 3-9

OIL AND GAS ACCOUNTING AND TAXATION INSTITUTE (3) Petroleum accounting and taxation. This is a comprehensive course in oil and gas accounting. It covers the fundamentals of the petroleum industry as well as the complex topics of revenue accounting and taxation.

College/School: JHJ School Of Business

Department: Department of Accounting

ACCT 625 Not-For Profit Accounting (3 Credits)

Lecture: 3

College/School: JHJ School Of Business

Department: Department of Accounting

ACCT 630 Ethics for Accountants (3 Credits)

Lecture: 3, **Lab:** 0

ETHICS FOR ACCOUNTANTS (3) Provides a philosophical understanding of ethical complexities of the modern business enterprise and a fundamental of ethical knowledge necessary for a career in accounting and finance. (Prerequisites: Consent of the Instructor.)

College/School: JHJ School Of Business

Department: Department of Accounting

ACCT 631 Sem: Managerial Acctg (3 Credits)

Lecture: 3, **Lab:** 0

SEMINAR IN MANAGERIAL ACCOUNTING (3) An examination of the theoretical and practical issues involved in managerial accounting. Emphasis is on contemporary issues in managerial accounting.

(Prerequisites: ACCT 231 or ACCT 636.)

Prerequisite(s): ACCT 231 or ACCT 636

College/School: JHJ School Of Business

Department: Department of Accounting

ACCT 636 Financial Statement Analysis (3 Credits)

Lecture: 3, **Lab:** 0

FINANCIAL ACCOUNTING (3) (CPA 150-Hour Requirement NON-DEGREE Course) An analysis of financial statements of publicly held entities, which are issued to shareholders, creditors, financial analysts, and other interested parties. (Prerequisite: ACCT 332.)

Prerequisite(s): ACCT 332

College/School: JHJ School Of Business

Department: Department of Accounting

ACCT 647 Cost Acctg & Analysis (3 Credits)

Lecture: 3, **Lab:** 0

MANAGERIAL AND COST ACCOUNTING (3) (CPA 150-Hour Requirement NON-DEGREE Course) A study of the kind of information needed, where information can be obtained and how information can be used by managers to carry out their planning, controlling, and decision-making responsibilities. (Prerequisite: ACCT 336.)

College/School: JHJ School Of Business

Department: Department of Accounting

ACCT 650 Structure Acctg Theory (3 Credits)

Lecture: 3, **Lab:** 0

STRUCTURE OF ACCOUNTING THEORY (3) Principles, concepts and problems underlying the recording of accounting data; management of information and its relation to income determination. Analysis and interpretation of principal accounting statements are also covered. (Prerequisite: ACCT 332.)

College/School: JHJ School Of Business

Department: Department of Accounting

ACCT 651 Contemp Topics Acctg (3 Credits)

Lecture: 3, **Lab:** 0

CONTEMPORARY ISSUES IN ACCOUNTING (3) An analysis of new pronouncements of authoritative bodies along with the impact of these bodies on contemporary accounting practice. (Prerequisite: ACCT 332.)

Prerequisite(s): ACCT 332

College/School: JHJ School Of Business

Department: Department of Accounting

ACCT 655 Seminar In Taxation (3 Credits)

Lecture: 3, **Lab:** 0

SEMINAR IN TAXATION (3) A review and an analysis of tax consequences; implications of business decisions and accounting procedures; tax research and planning. (Prerequisite: ACCT 332.)

Prerequisite(s): ACCT 332

College/School: JHJ School Of Business

Department: Department of Accounting

ACCT 656 Acctg Information Systems (3 Credits)

Lecture: 3, **Lab:** 0

ACCOUNTING INFORMATION SYSTEMS (3) An analysis of the sources, cost and values of accounting information, including analysis and design of computer-based accounting information. (Prerequisites: ACCT 332 or ACCT 631.)

Prerequisite(s): ACCT 332 or ACCT 631

College/School: JHJ School Of Business

Department: Department of Accounting

ACCT 657 Seminar Auditing (3 Credits)**Lecture:** 3, **Lab:** 0

SEMINAR IN AUDITING (3) An examination of the development of auditing standards and philosophies; contemporary developments in auditing theory and practice; and research needs of the auditing profession. (Prerequisite: ACCT 433.)

Prerequisite(s): ACCT 433**College/School:** JHJ School Of Business**Department:** Department of Accounting**ACCT 658 Accounting Controls (3 Credits)****Lecture:** 3, **Lab:** 0

ACCOUNTING CONTROLS (3) A study of the concepts and roles of accounting controls in a business organization. (Prerequisites: ACCT 631 or 433.)

Prerequisite(s): ACCT 631 or ACCT 433**College/School:** JHJ School Of Business**Department:** Department of Accounting**ACCT 660 Advanced Topics in Accounting (3 Credits)****Lecture:** 3

ADVANCED TOPICS IN ACCOUNTING (3) The study and research of business consolidations, partnerships, governmental and not-for-profit accounting. (Prerequisite: ACCT 332.)

Prerequisite(s): ACCT 332**College/School:** JHJ School Of Business**Department:** Department of Accounting**ACCT 665 Accounting Internship (3-9 Credits)****Lecture:** 3-9

ACCOUNTING INTERNSHIP (3) Faculty-supervised work experience in accounting where written reports are required. (Prerequisite: Graduate Status.)

College/School: JHJ School Of Business**Department:** Department of Accounting**ACCT 670 FIN ACCTG IN HLTH CARE ORG (3 Credits)****Lecture:** 3, **Lab:** 0

FINANCIAL ACCOUNTING IN HEALTH CARE ORGANIZATIONS (3) The study of the techniques of decision making for health care providers, financial management functions and organizations, financial statement analysis, capital management, capital budgeting and processes, financial statistics, financing techniques, and financial analysis of case studies in the health care environment.

College/School: JHJ School Of Business**Department:** Department of Accounting**ACCT 671 MGMT & COST ACCT IN HLTH CARE (3 Credits)****Lecture:** 3, **Lab:** 0

MANAGERIAL AND COST ACCOUNTING IN HEALTH CARE ORGANIZATIONS (3) A study of how to use cost information to improve management decision making and the uses of cost accounting information relevant to health care organizations.

College/School: JHJ School Of Business**Department:** Department of Accounting

Finance

FIN 621 Fin & Econ Anal (3 Credits)**Lecture:** 3, **Lab:** 0

The business principles using a managerial approach to financial and economic analysis. Covers theories of consumer, firm, and markets with emphasis on managerial decision-making; applied topics include demand estimation, forecasting, exchange rates and exports, and long-term investment.

Prerequisite(s): ECON 231 and ECON 232 and FIN 301 and MGSC 239**College/School:** JHJ School Of Business**Department:** Dept Finance & Economics**FIN 650 Investment Management (3 Credits)****Lecture:** 3, **Lab:** 0

INVESTMENT MANAGEMENT (3) Theory and practice of pricing and evaluation of stocks, bonds, options, futures, and mutual funds. It includes portfolio theory and management and global investments. (Prerequisite: FIN 301 or equivalent.)

Prerequisite(s): FIN 301**College/School:** JHJ School Of Business**Department:** Dept Finance & Economics**FIN 652 Managerial Finance (3 Credits)****Lecture:** 3, **Lab:** 0

The theory and practice of financial decision making, including tools and techniques for making financial decisions, including those arising from globalization and ethical challenges.

Prerequisite(s): FIN 301 and MGSC 624**College/School:** JHJ School Of Business**Department:** Dept Finance & Economics**FIN 655 International Finance (3 Credits)****Lecture:** 3

INTERNATIONAL FINANCE (3) This course analyzes issues and problems managers and investors face that result from operating in an international environment. (Prerequisites: FIN 301 or equivalent.)

College/School: JHJ School Of Business**Department:** Dept Finance & Economics**FIN 675 Energy Finance (3 Credits)****Lecture:** 3, **Lab:** 0

Introduction to financial analysis, project selection, financing and dividend policies. Energy industry fundamentals and performance are discussed. Data and cases are utilized to address financial and decision-making issues in the energy industry.

College/School: JHJ School Of Business**Department:** Dept Finance & Economics**FIN 685 Energy Trading (3 Credits)****Lecture:** 3

Introduction to financial derivatives including futures, options, and swaps used by traders in the energy industry. Emphasis is placed on the framework for various hedging and risk management objectives.

College/School: JHJ School Of Business**Department:** Dept Finance & Economics**FIN 695 Financial Valuation Modeling (3 Credits)****Lecture:** 3

This course provides a review of natural gas, oil and petroleum products, coal, liquefied natural gas and electricity including energy forecasting and supply and cost curves. Three hours of lecture per week. Prerequisite: FIN 301.

College/School: JHJ School Of Business**Department:** Dept Finance & Economics

Business Administration

BADM 630 Managerial Communication (3 Credits)

Lecture: 3

BADM 630 MANAGERIAL COMMUNICATION (3) Development of oral and written communication skills, including the use of current computer technology.

College/School: JHJ School Of Business

Department: Dept of Business Admin.

BADM 644 Internship (3 Credits)

Lecture: 3

GRADUATE BUSINESS INTERNSHIP (3) Faculty-supervised business related work experience designed to enhance the knowledge and skills of our students in an applied environment. Progress reports and employer validation are required. (Prerequisite: Twelve (12) hours graduate level coursework in business administration and consent of the instructor.)

College/School: JHJ School Of Business

Department: Dept of Business Admin.

BADM 655 Entrepreneurship (3 Credits)

Lecture: 3

ENTREPRENEURSHIP (3) Issues related to creating, managing, and financing a new business with a focus on product development and entrepreneurial financial planning including business plans and class projects.

College/School: JHJ School Of Business

Department: Dept of Business Admin.

Management

MGMT 636 Organizational & Mgmt Theory (3 Credits)

Lecture: 3, **Lab:** 0

ORGANIZATIONAL AND MANAGEMENT THEORY (3) Individual, group and inter-group behavior within organizations in the context of technological change, workforce diversity, ethical challenges, and globalization.

Prerequisite(s): MGMT 300

College/School: JHJ School Of Business

Department: Dept of Business Admin.

MGMT 646 Graduate Seminar in Mgmt (3 Credits)

Lecture: 3

GRADUATE SEMINAR IN MANAGEMENT (3) In-depth exploration of selected topics in organization and management theory with special emphasis on leadership and ethics.

College/School: JHJ School Of Business

Department: Dept of Business Admin.

MGMT 650 Human Resource Management (3 Credits)

Lecture: 3

STRATEGIC MARKETING MANAGEMENT (3) Key marketing problems of domestic and international organizations, including those arising from issues related to globalization, environmental protection, ethical issues, social trends, and legal constraints.

College/School: JHJ School Of Business

Department: Dept of Business Admin.

MGMT 670 Global Strategic Mgmt (3 Credits)

Lecture: 3, **Lab:** 0

670 GLOBAL STRATEGIC MANAGEMENT (3) A cross-functional approach to the analysis of strategic decision making in the context of a global economy.

Prerequisite(s): MGMT 636 and FIN 652 and ACCT 631 and MKTG 650

College/School: JHJ School Of Business

Department: Dept of Business Admin.

Management Information Systems

MIS 671 Introduction to MIS (3 Credits)

Lecture: 3

INFORMATION TECHNOLOGY (3) The use of information technology to analyze business problems. It includes the development of computer software skills.

College/School: JHJ School Of Business

Department: Dept of Business Admin.

MIS 672 Application Programming (3 Credits)

Lecture: 3

A review of programming features and their application to business application development and functionality. (Prerequisite: MIS 304)

Prerequisite(s): MGSC 304

College/School: JHJ School Of Business

Department: Dept of Business Admin.

MIS 674 Data Communications (3 Credits)

Lecture: 3

DATA COMMUNICATIONS (3) Managerial and technological issues related to the operation and maintenance of computer networks. Topics covered include WAN, LAN, Internet and related architectures and protocols. (Prerequisite: MIS 304.)

Prerequisite(s): MGSC 304

College/School: JHJ School Of Business

Department: Dept of Business Admin.

MIS 675 Database Management Systems (3 Credits)

Lecture: 3

DATABASE MANAGEMENT SYSTEMS (3) Database concepts and principles in database design with exposure to a popular relational database like "Oracle." (Prerequisite: MIS 304.)

Prerequisite(s): MGSC 304

College/School: JHJ School Of Business

Department: Dept of Business Admin.

MIS 676 Web Design & Development (3 Credits)

Lecture: 3

WEB DESIGN AND DEVELOPMENT (3) Web applications and design using tools such as HTML, Cascading Style Sheets, JavaScript and DHTML. (Prerequisite: MIS 672.)

Prerequisite(s): MIS 672

College/School: JHJ School Of Business

Department: Dept of Business Admin.

MIS 677 E-Commerce (3 Credits)

Lecture: 3

E-COMMERCE (3) Exposure to the use of Internet for business-to-business communications, logistics and supply chain management, financial markets, digital payments, marketing etc. (Prerequisites: MIS 304.)

Prerequisite(s): MIS 304

College/School: JHJ School Of Business

Department: Dept of Business Admin.

MIS 678 SAP Applications in SCM (3 Credits)

Lecture: 3

SAP APPLICATIONS IN SCM (3) Exposure to instructor-selected SCM modules in SAP. (Prerequisites: MGSC 625; MIS 675.)

Prerequisite(s): MGSC 625 and MIS 675

College/School: JHJ School Of Business

Department: Dept of Business Admin.

MIS 680 System Analysis & Development (3 Credits)**Lecture:** 3

SYSTEMS ANALYSIS AND DEVELOPMENT (3) An introduction to concepts and processes for analyzing and determining information requirements and using packages and application generators for system development. (Prerequisite: MIS 675.)

Prerequisite(s): MIS 675**College/School:** JHJ School Of Business**Department:** Dept of Business Admin.**MIS 681 IT Project Management (3 Credits)****Lecture:** 3

IT PROJECT MANAGEMENT (3) Approaches to managing IT projects including outsourcing and subcontracting strategies. Students will also be exposed to project management tools. (Prerequisite: MIS 680.)

Prerequisite(s): MIS 680**College/School:** JHJ School Of Business**Department:** Dept of Business Admin.**MIS 683 Current Topics in MIS (3 Credits)**

CURRENT TOPICS IN MIS (3) An instructor-selected topic dealing with current issues and/or developments in the MIS area. (Prerequisites: Completion of at least nine (9) credit hours of coursework in the MIS program and/or consent of instructor.)

College/School: JHJ School Of Business**Department:** Dept of Business Admin.**MIS 684 Internship in MIS (3 Credits)****Lecture:** 3

INTERNSHIP IN MIS AREA (3) Completion of the equivalent of one long semester or an entire summer internship in the information technology area in a carefully selected organization. (Prerequisite: Completion of at least 18 Credit Hours of coursework in the MIS program.)

College/School: JHJ School Of Business**Department:** Dept of Business Admin.**MIS 685 Management of Info System (3 Credits)****Lecture:** 3

MANAGEMENT OF INFORMATION SYSTEMS (3) Strategic management of information resources to facilitate corporate competitiveness in the global environment. Capstone course to be taken in the student's last semester of the program. (Prerequisite: Completion of at least 24 Credit Hours of coursework in the MIS program.)

College/School: JHJ School Of Business**Department:** Dept of Business Admin.**MIS 686 Data Analytics and Visualization (3 Credits)****Lecture:** 3

This course provides an overview of gathering, cleaning, describing, integrating data, and, developing data models. Students will apply descriptive statistical tools to get a comprehensive understanding of the datasets and visualize those using data visualization tools. Students will be introduced to real-world datasets and will have hands-on experience in using them in building preliminary decision models. (Prerequisite: MGSC 624) Three hours per week.

College/School: JHJ School Of Business**Department:** Dept of Business Admin.**MIS 688 Applied Predictive Analytics (3 Credits)****Lecture:** 3

In this course students will be introduced to popular data mining methods such as classification, association, and clustering techniques. Students will use relevant software for data mining exercises. Students will develop and apply trend and regression analysis, and, forecasting techniques in business problem solving. (Prerequisite: MGSC 624) Three hours per week.

College/School: JHJ School Of Business**Department:** Dept of Business Admin.

Marketing

MKTG 634 Marketing Research (3 Credits)**Lecture:** 3, **Lab:** 0

MARKETING RESEARCH (3) Application of research and analytical decision-making techniques to marketing problems. (Prerequisites: MKTG 306; MGSC 239; MIS 671 or concurrent enrollment.)

Prerequisite(s): MKTG 306 and MGSC 239 and MGSC 671 (may be taken concurrently)**College/School:** JHJ School Of Business**Department:** Dept of Business Admin.**MKTG 650 Sem Mktg Probs (3 Credits)****Lecture:** 3, **Lab:** 0

STRATEGIC MARKETING MANAGEMENT (3) Key marketing problems of domestic and international organizations, including those arising from issues related to globalization, environmental protection, ethical issues, social trends, and legal constraints. (Prerequisites: MKTG 306 or equivalent.)

Prerequisite(s): MKTG 306**College/School:** JHJ School Of Business**Department:** Dept of Business Admin.

Management Science

MGSC 624 Statistical Methods (3 Credits)**Lecture:** 3, **Lab:** 0

STATISTICAL ANALYSIS (3) Use of statistical techniques for business research, analysis, and forecasting. It includes regression analysis and other econometric tools and the use of computer software.

Prerequisite(s): MGSC 239 and MGSC 302**College/School:** JHJ School Of Business**Department:** Dept of Business Admin.**MGSC 625 Supply Chain Management (3 Credits)****Lecture:** 3, **Lab:** 0

SUPPLY CHAIN MANAGEMENT (3) The course will provide an introduction to Supply Chain Management and the role of information systems in managing supply chains.

Prerequisite(s): MGSC 302**College/School:** JHJ School Of Business**Department:** Dept of Business Admin.**MGSC 654 Spec Topics in Quantative Anal (3 Credits)****Lecture:** 3

SPECIAL TOPICS IN QUANTITATIVE ANALYSIS (3) In-depth exploration of selected topics in quantitative analysis. Prerequisite: MGSC 624

Prerequisite(s): MGSC 624**College/School:** JHJ School Of Business**Department:** Dept of Business Admin.

Executive Master of Business Administration (EMBA)

The **online Executive Master of Business Administration (EMBA)** program is a two-year program uniquely designed to meet the challenging needs of mid-career professionals who wish to pursue an MBA degree with the least possible disruption to their professional and personal lives. The program is offered online and combines the advanced business concepts of a Master of Business Administration curriculum and prepares candidates to lead and manage organizations.

Upon completion of the EMBA program, graduates will:

- Demonstrate an understanding of a broad array of business concepts related to finance, accounting, economics, marketing, operations, statistics, business law and information technology.
- Demonstrate skills that enable the appropriate application of critical, analytical, and strategic thinking to the analysis of and development of solutions to business problems.
- Demonstrate the ability to utilize information technology and systems for effective decision-making, problem solving, and communications.
- Demonstrate the ability to utilize strategies for leading and structuring high performance teams, working cooperatively, and communicating effectively.
- Demonstrate a greater appreciation for workplace diversity, ethical issues facing businesses today, and the challenges of the global marketplace.

Admission Process

Students are admitted to the EMBA program twice per year, in the fall and spring semesters only. The deadline for submission of all application materials is July 15 for the Fall semester and November 15 for the Spring semester (early submission is encouraged).

Admission to the Online Executive MBA program requires a minimum of three to five years of significant management or supervisory experience and a baccalaureate degree from a regionally accredited institution.

A complete application consists of the following materials:

- Evidence of a baccalaureate degree from an accredited institution with a minimum undergraduate GPA of 2.5 or higher
- An official transcript of all undergraduate course work.
- Evidence of at least three (3) to five (5) years of significant and progressive management and/or supervisory work experience.
- A statement of purpose of no more than 500 words (2-pages), explaining your reasoning for seeking an advanced degree in business, describing how the program will help facilitate your career goals. Reflect on your greatest accomplishment and disappointment, and, lessons learned from the experiences. Discuss your professional and executive experience that relates to the pursuance of this program including a brief discussion of your post-EMBA goals.
- Two confidential letters of recommendation are required, including one from your immediate supervisor. Letters of recommendation should be obtained from individuals who know you well and can present a balanced evaluation and assessment of your capabilities. Letters should include your strengths, managerial / supervisory experience, areas for improvement and commitment to academic excellence in a rigorous program.
- A current professional résumé.

- Official TOEFL (Test of English as a Foreign Language) score if the applicant's native language is not English, unless the applicant has received an undergraduate degree from a U.S. college or university. A TOEFL score of at least 550 on the paper based test or 213 on the computer based test or 79 on the Internet based test is required. An official IELTS score can be submitted in lieu of TOEFL in which case a minimum overall band score of 6.0 is required.

Only completed applications (containing all required application materials listed above) will be reviewed for admission. Applications will be reviewed by the Jesse H. Jones School of Business.

Course Requirements

The Online Executive MBA program consists of thirty-six (36) credit hours. The program is delivered entirely online and is primarily administered via Blackboard Academic Suites which includes live chat, online lectures, virtual classrooms, and teleconferencing capabilities.

Students are admitted to the Executive MBA (EMBA) program as a cohort and there are no electives. The program does not allow for deviation from the curriculum.

Degree Requirements

The minimum general requirements for the Executive MBA degree are:

1. A minimum grade point average of 3.0 is required for all graduate work attempted.
2. No more than 6 semester credit hours of "C" and/or "C+" work are accepted toward satisfying graduation and degree requirements.
3. All courses in the program are taken on a cohort basis.
4. All students must register for six semester hours of graduate coursework in each semester during the program.
5. To be considered full-time, a student must register for at least 6 semester hours of graduate work per semester. A normal course load consists of 6 semester hours.

Curriculum Summary

Code	Title	Hours
Core Courses		
FIN 621	Fin & Econ Anal	3
BADM 630	Managerial Communication	3
MGMT 636	Organizational & Mgmt Theory	3
MGMT 670	Global Strategic Mgmt	3
MGSC 624	Statistical Methods	3
MIS 671	Introduction to MIS	3
MKTG 650	Sem Mktg Probs	3
Other Required Courses		
ACCT 631	Sem: Managerial Acctg	3
FIN 652	Managerial Finance	3
Concentration Courses		
MGMT 646	Graduate Seminar in Mgmt	3
MGSC 625	Supply Chain Management	3
MIS 677	E-Commerce	3
Total Hours		36

Executive Master of Business Administration (Energy Finance Concentration), EMBA

NOTE: Admission to the online Executive Master of Business Administration (EMBA) with Energy Finance concentration is suspended until further notice. Please contact the academic unit for additional information:

Dr. Naveed Haider

Executive Director, Graduate Programs in Business

Jesse H. Jones School of Business, Suite 151

3100 Cleburne Street, Houston, TX 77004

naveed.haider@tsu.edu

713-313-7309

Admission Process

Students are admitted to the EMBA program twice per year, in the fall and spring semesters only. The deadline for submission of all application materials is July 15 for the Fall semester and November 15 for the Spring semester (early submission is encouraged).

Admission to the Online Executive MBA program requires a minimum of three to five years of significant management or supervisory experience and a baccalaureate degree from a regionally accredited institution.

A complete application consists of the following materials:

- Evidence of a baccalaureate degree from an accredited institution with a minimum undergraduate GPA of 2.5 or higher
- An official transcript of all undergraduate course work.
- Evidence of at least three (3) to five (5) years of significant and progressive management and/or supervisory work experience.
- A statement of purpose of no more than 500 words (2-pages), explaining your reasoning for seeking an advanced degree in business, describing how the program will help facilitate your career goals. Reflect on your greatest accomplishment and disappointment, and, lessons learned from the experiences. Discuss your professional and executive experience that relates to the pursuance of this program including a brief discussion of your post-EMBA goals.
- Two confidential letters of recommendation are required, including one from your immediate supervisor. Letters of recommendation should be obtained from individuals who know you well and can present a balanced evaluation and assessment of your capabilities. Letters should include your strengths, managerial / supervisory experience, areas for improvement and commitment to academic excellence in a rigorous program.
- A current professional résumé.
- Official TOEFL (Test of English as a Foreign Language) score if the applicant's native language is not English, unless the applicant has received an undergraduate degree from a U.S. college or university. A TOEFL score of at least 550 on the paper based test or 213 on the computer based test or 79 on the Internet based test is required. An official IELTS score can be submitted in lieu of TOEFL in which case a minimum overall band score of 6.0 is required.

Only completed applications (containing all required application materials listed above) will be reviewed for admission. Applications will be reviewed by the Jesse H. Jones School of Business.

Admission Process

Students admitted to the online Executive Master of Business Administration program at the Jesse H. Jones School of Business will be eligible to pursue this concentration.

Course Requirements

Students must satisfy the Executive MBA core curriculum requirements (27 credit hours) along with the specialized Energy Finance course requirements (9 credit hours) to complete the Executive MBA degree requirement.

Degree Requirements

Students pursuing the Online Executive Master MBA with concentration in Energy Finance must meet the academic regulations of Jesse H. Jones School of Business including those related to the minimum GPA and scholastic discipline.

Summary

Code	Title	Hours
	Core Curriculum (p. 135)	21
	Other Required Courses	6
	Concentration (p. 135)	9
Total Hours		36

Core Curriculum Requirements

Code	Title	Hours
FIN 621	Fin & Econ Anal	3
BADM 630	Managerial Communication	3
MGMT 636	Organizational & Mgmt Theory	3
MGMT 670	Global Strategic Mgmt	3
MGSC 624	Statistical Methods	3
MIS 671	Introduction to MIS	3
MKTG 650	Sem Mktg Probs	3
Total Hours		21

other required courses

Code	Title	Hours
ACCT 631	Sem: Managerial Acctg	3
MGSC 625	Supply Chain Management	3
Total Hours		6

Concentration

Code	Title	Hours
FIN 675	Energy Finance	3
FIN 685	Energy Trading	3
FIN 695	Financial Valuation Modeling	3
Total Hours		9

Graduate Certificate: Data Analytics

Current technology and available software and tools are now making it possible to use data as an asset to advance any business organization. The pervasive use and application of Data Analytics has created a need to acquire the skill set needed to effectively use data. The Data Analytics Certificate offered by the Jesse H. Jones School of Business is designed to meet the need for understanding and using Data Analytics in a variety of fields and industries.

Degree Requirements

Core Curriculum

Code	Title	Hours
MGSC 624	Statistical Methods	3
MIS 672	Application Programming	3
MIS 675	Database Management Systems	3
MIS 686	Data Analytics and Visualization	3
MIS 688	Applied Predictive Analytics	3
Total Hours		15

The following core subjects must be completed as prerequisites to the Data Analytics Certificate level courses:

- Statistics
- Information Technology
- Principles of Management

Admission Process

The certificate will be available to any eligible applicant. Applicants will need to apply for the Data Analytics Certificate program via the normal Graduate School application process. The minimum application requirements and criteria for admission consideration are as follows:

- Evidence of a baccalaureate degree from an accredited institution (minimum cumulative GPA of 2.5).
- An official transcript of all undergraduate and graduate course work.
- A career-objective essay (max 500 words) including a description of how the Data Analytics Certificate program fits into the applicant's career plans.
- A current résumé.

Students accepted to the MS in MIS or MBA graduate degree programs are automatically eligible to pursue the Data Analytics Certificate.

Master of Business Administration (Accounting Concentration), MBA

Master of Business Administration (MBA) with Concentration in Accounting Program will enable students to meet The Certified Public Accountants (CPA) examination requirements as well as prepare them to succeed in their career paths. The State of Texas requires Certified Public Accountants (CPA) examination candidates to complete 150 semester hours before attempting the Uniform CPA Examination. Included in these 150 hours are 30 hours of accounting and 24 hours of business. Texas State Board of Public Accountancy has also recently passed the legislation requiring two semester hours of accounting or tax

research and analysis and two semester hours of accounting or business communications within those accounting and business hours.

Completion of this program will enable students to enhance their knowledge and skills in accounting and business, and, develop analytical research and communication skills. Students will also be better prepared to take the CPA examination and become a CPA which is a prestigious designation and a measure of success in the accounting and business fields.

Admission Process

The eligibility requirements for the MBA with concentration in Accounting are as follows:

- Must be admitted as an MBA student to the Jesse H. Jones School of Business with unconditional status.
- Must have an undergraduate Accounting background and a minimum undergraduate GPA of 3.00 or higher.

MBA Admission Process

Students are admitted to the MBA program twice per year, in the fall and spring semesters only. The deadline for submission of all application materials is July 15 for the Fall semester and November 15 for the Spring semester (early submission is encouraged).

A complete application consists of the following materials:

1. Evidence of a baccalaureate degree from an accredited institution.
2. An official transcript of all undergraduate course work.
3. An acceptable GMAT score (score must be from a test taken within the last five (5) years of your application date, to be considered). An Analytical Writing score of 3.5 or above is required on the GMAT exam to fulfill the English proficiency requirement.
4. A two-page, career-objective essay (max 500 words) including a description of the applicant's greatest accomplishment and disappointment, and, lessons learned from the experiences, as well as a brief discussion of post MBA goals.
5. Two confidential letters of recommendation that include applicant's strengths, areas of improvement, and commitment to excellence.
6. A current résumé.
7. Official TOEFL (Test of English as a Foreign Language) score if the applicant's native language is not English, unless the applicant has received an undergraduate degree from a U.S. college or university. A TOEFL score of at least 550 on the paper based test or 213 on the computer based test or 79 on the Internet based test is required. An official IELTS score can be submitted in lieu of TOEFL in which case a minimum overall band score of 6.0 is required.

Only completed applications (containing all required application materials listed above) will be reviewed for admission. Graduate application materials are received by the Graduate School and forwarded to the Jesse H. Jones School of Business for review. The recommendation of Jesse H. Jones School of Business is returned to the Graduate School. The Graduate School will make the final admission decision and notify the applicant of the decision. Prospective students wishing to inquire about their application status should direct questions to the Graduate School, until an official admissions notification is received.

Admission to the MBA program as a conditional or an unconditional student requires a baccalaureate degree from a regionally accredited institution.

Unconditional Admission

The applicant must submit an acceptable Graduate Management Aptitude Test (GMAT) score that will be used in conjunction with the applicant's socioeconomic profile and the undergraduate grade point average to determine admission to graduate programs. The following are some factors that may be included in the socioeconomic profile used in the admission process:

1. Economic status of family when applicant attended elementary, secondary, and undergraduate school.
2. Applicant's status of first-generation to attend undergraduate school.
3. Applicant's status of first-generation to attend graduate or professional school.
4. Applicant is multilingual.
5. Applicant's employment while attending undergraduate school.
6. Applicant's role in helping rear other children in family.
7. Applicant's geographic residence in Texas at time of application.
8. Geographic region wherein applicant's high school is located.
9. Applicant's demonstration of performance in community activities.
10. Applicant's demonstration of commitment to a particular field of study.
11. The presence or absence of role models with comparable graduate school training in the applicant's region of residence.
12. The applicant's performance during a personal interview.

Conditional Admission

Students who fail to satisfy the unconditional admission criteria may be admitted on a conditional basis. Under conditional admission, the student must have at least a 3.00 undergraduate grade point average, or the undergraduate grade point average on the last sixty-hours (60) of course work must be at least 3.25. Students admitted in this category will be required to meet the unconditional admission criteria by maintaining at least a grade of "B" or better in each course in the first twelve hours of graduate work within the first year of enrollment. Failure to satisfy unconditional admission criteria within the stipulated time period will result in the student being dropped from the program. All applicants seeking conditional admission must provide GMAT or GRE scores with initial admission application.

Admission Process

The eligibility requirements for the MBA with concentration in Accounting are as follows:

- Must be admitted as an MBA student to the Jesse H. Jones School of Business with unconditional status
- Must have an undergraduate Accounting background and a minimum undergraduate GPA of 3.00 or higher

PREREQUISITE REQUIREMENTS

MBA with Accounting concentration graduate degree program students must have successfully completed all the undergraduate major courses as required for the Accounting major for the BBA (Bachelor of Business Administration) degree offered by the Jesse H. Jones School

of Business at Texas Southern University. Additionally, the following courses must be completed as prerequisites to the MBA level courses:

Code	Title	Hours
ACCT 231	Principles Of Accounting I	3
ACCT 232	Principles of Accounting II	3
ACCT 331	Intermediate Accounting I	3
ACCT 332	Intermediate Accounting II	3
ACCT 433	Auditing	3
ECON 2301	Principles Of Economics I (OR)	3
ECON 2302	Principles Of Economics II	
MGSC 239	Business Statistics I	3
MGSC 302	Operations Management I	3
MGMT 300	Principles of Management	3
FIN 301	Basic Financial Management	3
MKTG 306	Principles of Marketing	3
MIS 304	Information Technology	3

Course Requirements

The Students must satisfy the MBA curriculum requirements (24 credit hours) along with the concentration in Accounting requirements (12 credit hours) to complete the degree requirements.

Summary

Code	Title	Hours
	Core Curriculum (p. 137)	21
	Other Required Course	3
	Concentration (p.)	12
Total Hours		36

Core Curriculum Requirements

Code	Title	Hours
FIN 621	Fin & Econ Anal	3
BADM 630	Managerial Communication	3
MGMT 636	Organizational & Mgmt Theory	3
MGMT 670	Global Strategic Mgmt	3
MGSC 624	Statistical Methods	3
MIS 671	Introduction to MIS	3
MKTG 650	Sem Mktg Probs	3
Total Hours		21

Other Required Course

Code	Title	Hours
FIN 652	Managerial Finance	3
Total Hours		3

Concentration Course Requirements

Code	Title	Hours
ACCT 650	Structure Acctg Theory	3
ACCT 655	Seminar In Taxation	3
ACCT 657	Seminar Auditing	3

ACCT 660	Advanced Topics in Accounting	3
Total Hours		12

Degree Requirements

Students pursuing the MBA with concentration in Accounting must meet the academic regulations of Jesse H. Jones School of Business including those related to the minimum GPA and scholastic discipline.

Master of Business Administration (Health Care Administration Concentration), MBA

The Master of Business Administration with concentration in Health Care Administration is designed to broaden the career opportunities for MBA students in the health care field. Due to the special status of Houston as a major national hub for health care facilities and related industries, the health care concentration in the MBA program allows graduates to pursue opportunities beyond the traditional business areas. The concentration equips business students to be successfully involved in the administrative side of the health care. The existing health administration courses at the College of Pharmacy and Health Sciences make this concentration possible.

MBA Admission Process

Students are admitted to the MBA program twice per year, in the fall and spring semesters only. The deadline for submission of all application materials is July 15 for the Fall semester and November 15 for the Spring semester (early submission is encouraged).

A complete application consists of the following materials:

1. Evidence of a baccalaureate degree from an accredited institution.
2. An official transcript of all undergraduate course work.
3. An acceptable GMAT score (score must be from a test taken within the last five (5) years of your application date, to be considered). An Analytical Writing score of 3.5 or above is required on the GMAT exam to fulfill the English proficiency requirement.
4. A two-page, career-objective essay (max 500 words) including a description of the applicant's greatest accomplishment and disappointment, and, lessons learned from the experiences, as well as a brief discussion of post MBA goals.
5. Two confidential letters of recommendation that include applicant's strengths, areas of improvement, and commitment to excellence.
6. A current résumé.
7. Official TOEFL (Test of English as a Foreign Language) score if the applicant's native language is not English, unless the applicant has received an undergraduate degree from a U.S. college or university. A TOEFL score of at least 550 on the paper based test or 213 on the computer based test or 79 on the Internet based test is required. An official IELTS score can be submitted in lieu of TOEFL in which case a minimum overall band score of 6.0 is required.

Only completed applications (containing all required application materials listed above) will be reviewed for admission. Graduate application materials are received by the Graduate School and forwarded to the Jesse H. Jones School of Business for review. The recommendation of Jesse H. Jones School of Business is returned to the Graduate School. The Graduate School will make the final admission decision and notify the applicant of the decision. Prospective students wishing to inquire

about their application status should direct questions to the Graduate School, until an official admissions notification is received.

Admission to the MBA program as a conditional or an unconditional student requires a baccalaureate degree from a regionally accredited institution.

Unconditional Admission

The applicant must submit an acceptable Graduate Management Aptitude Test (GMAT) score that will be used in conjunction with the applicant's socioeconomic profile and the undergraduate grade point average to determine admission to graduate programs. The following are some factors that may be included in the socioeconomic profile used in the admission process:

1. Economic status of family when applicant attended elementary, secondary, and undergraduate school.
2. Applicant's status of first-generation to attend undergraduate school.
3. Applicant's status of first-generation to attend graduate or professional school.
4. Applicant is multilingual.
5. Applicant's employment while attending undergraduate school.
6. Applicant's role in helping rear other children in family.
7. Applicant's geographic residence in Texas at time of application.
8. Geographic region wherein applicant's high school is located.
9. Applicant's demonstration of performance in community activities.
10. Applicant's demonstration of commitment to a particular field of study.
11. The presence or absence of role models with comparable graduate school training in the applicant's region of residence.
12. The applicant's performance during a personal interview.

Conditional Admission

Students who fail to satisfy the unconditional admission criteria may be admitted on a conditional basis. Under conditional admission, the student must have at least a 3.00 undergraduate grade point average, or, the undergraduate grade point average on the last sixty-hours (60) of course work must be at least 3.25. Students admitted in this category will be required to meet the unconditional admission criteria by maintaining at least a grade of "B" or better in each course in the first twelve hours of graduate work within the first year of enrollment. Failure to satisfy unconditional admission criteria within the stipulated time period will result in the student being dropped from the program. All applicants seeking conditional admission must provide GMAT or GRE scores with initial admission application.

Admission Process

Students admitted to the MBA graduate degree program at the Jesse H. Jones School of Business with unconditional admission status are eligible to pursue this concentration. Also, students currently or previously enrolled in the "Master of Health Care Administration (MHCA)" program from the College of Pharmacy and Health Sciences will be eligible for this concentration provided that the MBA admission criteria are satisfied.

Degree Requirements

The students must meet the minimum general requirements for the Master of Business Administration degree. Additionally, the students pursuing the MBA with concentration in Health Care Administration

must meet the academic regulations of both Jesse H. Jones School of Business and the College of Pharmacy and Health Sciences including those related to the minimum GPA and scholastic discipline.

Summary

Code	Title	Hours
	Core Curriculum (p. 139)	21
	Other Required Courses	6
	Concentration (p. 139)	9
Total Hours		36

Core Curriculum Requirements

Code	Title	Hours
FIN 621	Fin & Econ Anal	3
BADM 630	Managerial Communication	3
MGMT 636	Organizational & Mgmt Theory	3
MGMT 670	Global Strategic Mgmt	3
MGSC 624	Statistical Methods	3
MIS 671	Introduction to MIS	3
MKTG 650	Sem Mktg Probs	3
Total Hours		21

OTHER REQUIRED COURSES

Code	Title	Hours
ACCT 631	Sem: Managerial Acctg	3
FIN 652	Managerial Finance	3
Total Hours		6

Concentration¹

Code	Title	Hours
Select three of the following:		9
HSOA 512	Intro to Hlth Care Org	
HSOA 514	Human Resource & Labor Mgmt	
HSOA 612	Health Care Law & Bioethics	
HSOA 662	Health Policy Analysis	
Total Hours		9

1

Nine (9) semester hours (Choice of 3 of 4 courses listed for concentration)

Prerequisite Requirements

The following courses or equivalent thereof must have been completed or must be completed as prerequisites to the MBA level courses:

Code	Title	Hours
ACCT 231	Principles Of Accounting I	3
ECON 2301	Principles Of Economics I (OR)	3
ECON 2302	Principles Of Economics II	
MGSC 239	Business Statistics I	3
MGSC 302	Operations Management I	3
MGMT 300	Principles of Management	3
FIN 301	Basic Financial Management	3

MKTG 306	Principles of Marketing	3
MIS 304	Information Technology	3

Master of Business Administration (Management Information Systems Concentration), MBA

As organizations continue to generate and gather huge amounts of data, it becomes imperative to analyze historical, current, and predictive views of business operations to manage enterprise performance. While a general MBA program focuses on the skills necessary for running a business, a concentration in Management Information Systems equips students with the skills to use information technology to enhance business decision making. A concentration in MIS enables an MBA student to gain a competitive edge by learning critical analytical skills and gaining real world experience in both the business and technical fields.

To provide an understanding of how information technology can manage and optimize business performance, students are expected to:

- Demonstrate knowledge of the strategic use of information systems in organizations to achieve competitive advantage.
- Understand the logical and physical design of databases and their use to support decision making.
- Analyze and design IT solutions to business problems. Plan and manage IT projects.
- Students can choose a MIS concentration in either of the following two tracks:
 - Electronic Commerce (E-Commerce)
 - Business Intelligence (BI)

MBA Admission Process

Students are admitted to the MBA program twice per year, in the fall and spring semesters only. The deadline for submission of all application materials is July 15 for the Fall semester and November 15 for the Spring semester (early submission is encouraged).

A complete application consists of the following materials:

1. Evidence of a baccalaureate degree from an accredited institution.
2. An official transcript of all undergraduate course work.
3. An acceptable GMAT score (score must be from a test taken within the last five (5) years of your application date, to be considered). An Analytical Writing score of 3.5 or above is required on the GMAT exam to fulfill the English proficiency requirement.
4. A two-page, career-objective essay (max 500 words) including a description of the applicant's greatest accomplishment and disappointment, and, lessons learned from the experiences, as well as a brief discussion of post MBA goals.
5. Two confidential letters of recommendation that include applicant's strengths, areas of improvement, and commitment to excellence.
6. A current résumé.
7. Official TOEFL (Test of English as a Foreign Language) score if the applicant's native language is not English, unless the applicant has received an undergraduate degree from a U.S. college or university. A TOEFL score of at least 550 on the paper based test or 213 on the computer based test or 79 on the Internet based test is required. An

official IELTS score can be submitted in lieu of TOEFL in which case a minimum overall band score of 6.0 is required.

Only completed applications (containing all required application materials listed above) will be reviewed for admission. Graduate application materials are received by the Graduate School and forwarded to the Jesse H. Jones School of Business for review. The recommendation of Jesse H. Jones School of Business is returned to the Graduate School. The Graduate School will make the final admission decision and notify the applicant of the decision. Prospective students wishing to inquire about their application status should direct questions to the Graduate School, until an official admissions notification is received.

Admission to the MBA program as a conditional or an unconditional student requires a baccalaureate degree from a regionally accredited institution.

Unconditional Admission

The applicant must submit an acceptable Graduate Management Aptitude Test (GMAT) score that will be used in conjunction with the applicant's socioeconomic profile and the undergraduate grade point average to determine admission to graduate programs. The following are some factors that may be included in the socioeconomic profile used in the admission process:

1. Economic status of family when applicant attended elementary, secondary, and undergraduate school.
2. Applicant's status of first-generation to attend undergraduate school.
3. Applicant's status of first-generation to attend graduate or professional school.
4. Applicant is multilingual.
5. Applicant's employment while attending undergraduate school.
6. Applicant's role in helping rear other children in family.
7. Applicant's geographic residence in Texas at time of application.
8. Geographic region wherein applicant's high school is located.
9. Applicant's demonstration of performance in community activities.
10. Applicant's demonstration of commitment to a particular field of study.
11. The presence or absence of role models with comparable graduate school training in the applicant's region of residence.
12. The applicant's performance during a personal interview.

Conditional Admission

Students who fail to satisfy the unconditional admission criteria may be admitted on a conditional basis. Under conditional admission, the student must have at least a 3.00 undergraduate grade point average, or the undergraduate grade point average on the last sixty-hours (60) of course work must be at least 3.25. Students admitted in this category will be required to meet the unconditional admission criteria by maintaining at least a grade of "B" or better in each course in the first twelve hours of graduate work within the first year of enrollment. Failure to satisfy unconditional admission criteria within the stipulated time period will result in the student being dropped from the program. All applicants seeking conditional admission must provide GMAT or GRE scores with initial admission application.

Admission Process

Students admitted to the MBA graduate degree program at the Jesse H. Jones School of Business are eligible to pursue this concentration.

Degree Requirements

Students pursuing the MBA with concentration in Management Information Systems must meet the academic regulations of Jesse H. Jones School of Business including those related to the minimum GPA and scholastic discipline. The Students must satisfy the MBA core curriculum requirements (24 credit hours) along with the concentration in Management Information Systems requirements (12 credit hours) to complete the MBA degree requirement.

Summary

Code	Title	Hours
	Core Curriculum (p. 140)	21
	Other Required Course	3
	Concentration (p. 140)	
	Select one of the following concentration tracks:	12
	Electronic Commerce Track	
	Business Intelligence Track	
Total Hours		36

Core Curriculum Requirements

Code	Title	Hours
FIN 621	Fin & Econ Anal	3
BADM 630	Managerial Communication	3
MGMT 636	Organizational & Mgmt Theory	3
MGMT 670	Global Strategic Mgmt	3
MGSC 624	Statistical Methods	3
MIS 671	Introduction to MIS	3
MKTG 650	Sem Mktg Probs	3
Total Hours		21

OTHER rEQUIRED cOURSE

Code	Title	Hours
FIN 652	Managerial Finance	3
Total Hours		3

Concentration

Code	Title	Hours
Select one of the following concentration tracks:		12
Electronic Commerce Track		
MIS 674	Data Communications	
MIS 675	Database Management Systems	
MIS 676	Web Design & Development	
MIS 677	E-Commerce	
Business Intelligence Track		
MIS 675	Database Management Systems	
MIS 678	SAP Applications in SCM	
MIS 680	System Analysis & Development	
MIS 683	Current Topics in MIS	
Total Hours		12

Prerequisite Requirements

The following courses or equivalent thereof must have been completed or must be completed as prerequisites to the MBA level courses:

Code	Title	Hours
ACCT 231	Principles Of Accounting I	3
ECON 2301	Principles Of Economics I (OR)	3
ECON 2302	Principles Of Economics II	
MGSC 239	Business Statistics I	3
MGSC 302	Operations Management I	3
MGMT 300	Principles of Management	3
FIN 301	Basic Financial Management	3
MKTG 306	Principles of Marketing	3
MIS 304	Information Technology	3

Master of Business Administration (MBA)

The objective of the **Master of Business Administration (MBA)** program is to educate a diverse group of students by providing them with the knowledge, analytical ability, and management skills necessary for leadership positions in a world characterized by a diverse work force, rapid technological change, and a fiercely competitive global marketplace. The MBA program at Texas Southern University provides a general management education to individuals who aspire to advance in their current career or wish to prepare themselves for a completely new career.

Graduates of the MBA program are equipped with:

- An understanding of a broad array of business concepts related to finance, accounting, economics, marketing, operations, statistics, and business law.
- Skills that enable the appropriate application of critical, analytical, and strategic thinking to the analysis of and development of solutions to business problems.
- The ability to utilize information technology and systems for effective decision-making, problem solving, and communication.
- Strategies for leading and structuring high performance teams, working cooperatively, and communicating effectively.
- A greater appreciation for workplace diversity, ethical issues facing businesses today, and the challenges of the global market place.

MBA Admission Process

Students are admitted to the MBA program twice per year, in the fall and spring semesters only. The deadline for submission of all application materials is July 15 for the Fall semester and November 15 for the Spring semester (early submission is encouraged).

A complete application consists of the following materials:

1. Evidence of a baccalaureate degree from an accredited institution.
2. An official transcript of all undergraduate course work.
3. An acceptable GMAT score (score must be from a test taken within the last five (5) years of your application date, to be considered). An Analytical Writing score of 3.5 or above is required on the GMAT exam to fulfill the English proficiency requirement.

4. A two-page, career-objective essay (max 500 words) including a description of the applicant's greatest accomplishment and disappointment, and, lessons learned from the experiences, as well as a brief discussion of post MBA goals.
5. Two confidential letters of recommendation that include applicant's strengths, areas of improvement, and commitment to excellence.
6. A current résumé.
7. Official TOEFL (Test of English as a Foreign Language) score if the applicant's native language is not English, unless the applicant has received an undergraduate degree from a U.S. college or university. A TOEFL score of at least 550 on the paper based test or 213 on the computer based test or 79 on the Internet based test is required. An official IELTS score can be submitted in lieu of TOEFL in which case a minimum overall band score of 6.0 is required.

Only completed applications (containing all required application materials listed above) will be reviewed for admission. Graduate application materials are received by the Graduate School and forwarded to the Jesse H. Jones School of Business for review. The recommendation of Jesse H. Jones School of Business is returned to the Graduate School. The Graduate School will make the final admission decision and notify the applicant of the decision. Prospective students wishing to inquire about their application status should direct questions to the Graduate School, until an official admissions notification is received.

Admission to the MBA program as a conditional or an unconditional student requires a baccalaureate degree from a regionally accredited institution.

Unconditional Admission

The applicant must submit an acceptable Graduate Management Aptitude Test (GMAT) score that will be used in conjunction with the applicant's socioeconomic profile and the undergraduate grade point average to determine admission to graduate programs. The following are some factors that may be included in the socioeconomic profile used in the admission process:

1. Economic status of family when applicant attended elementary, secondary, and undergraduate school.
2. Applicant's status of first-generation to attend undergraduate school.
3. Applicant's status of first-generation to attend graduate or professional school.
4. Applicant is multilingual.
5. Applicant's employment while attending undergraduate school.
6. Applicant's role in helping rear other children in family.
7. Applicant's geographic residence in Texas at time of application.
8. Geographic region wherein applicant's high school is located.
9. Applicant's demonstration of performance in community activities.
10. Applicant's demonstration of commitment to a particular field of study.
11. The presence or absence of role models with comparable graduate school training in the applicant's region of residence.
12. The applicant's performance during a personal interview.

Conditional Admission

Students who fail to satisfy the unconditional admission criteria may be admitted on a conditional basis. Under conditional admission, the student must have at least a 3.00 undergraduate grade point average, or, the undergraduate grade point average on the last sixty-hours (60) of course work must be at least 3.25. Students admitted in this

category will be required to meet the unconditional admission criteria by maintaining at least a grade of “B” or better in each course in the first twelve hours of graduate work within the first year of enrollment. Failure to satisfy unconditional admission criteria within the stipulated time period will result in the student being dropped from the program. All applicants seeking conditional admission must provide GMAT or GRE scores with initial admission application.

Course Requirements

The Master of Business Administration degree requires thirty-six (36) hours of course work, including six (6) hours of electives that allow students to build depth of knowledge in a particular business discipline.

The following courses or equivalent thereof must have been completed or must be completed as prerequisites to the MBA level courses:

Code	Title	Hours
ACCT 231	Principles Of Accounting I	3
ECON 2301	Principles Of Economics I (OR)	3
ECON 2302	Principles Of Economics II	
MGSC 239	Business Statistics I	3
MGSC 302	Operations Management I	3
MGMT 300	Principles of Management	3
FIN 301	Basic Financial Management	3
MKTG 306	Principles of Marketing	3
MIS 304	Information Technology	3

Degree Requirements

The minimum general requirements for the Master of Business Administration degree are:

- 1. A minimum grade point average of 3.0 is required for all graduate work attempted.
- 2. A residency of at least one academic year, or its equivalent, is required.
- 3. Courses transferred may not exceed 6 semester hours, and a grade of “B” or better must have been earned in each course.
- 4. No more than 6 semester credit hours of “C” and/or “C+” work are accepted toward satisfying graduation and degree requirements.
- 5. The program must be completed within 6 calendar years.
- 6. All MBA students are required to score a “3.5” or better on the writing component of the GMAT, or pass an English proficiency exam during their first semester, or obtain a passing grade in English 501.
- 7. To be considered full-time, a student must register for at least 9 semester hours of graduate work per semester. A normal course load consists of 12 semester hours. The maximum load that can be taken is 15 semester hours. A student who takes 15 semester hours must have an overall graduate grade point average of 3.5 or better and not be employed full-time.

Summary

Code	Title	Hours
Core Curriculum (p. 142)		21
Other Required Courses		9
Electives (p.)		6
Total Hours		36

CORE CURRICULUM REQUIREMENTS

Code	Title	Hours
FIN 621	Fin & Econ Anal	3
BADM 630	Managerial Communication	3
MGMT 636	Organizational & Mgmt Theory	3
MGMT 670	Global Strategic Mgmt	3
MGSC 624	Statistical Methods	3
MIS 671	Introduction to MIS	3
MKTG 650	Sem Mktg Probs	3
Total Hours		21

OTHER COURSE REQUIREMENTS

Code	Title	Hours
ACCT 631	Sem: Managerial Acctg	3
BADM 655	Entrepreneurship	3
FIN 652	Managerial Finance	3
Total Hours		9

Electives¹

Code	Title	Hours
Select two of the following:		6
BADM 644	Internship	
FIN 650	Investment Management	
MGMT 646	Graduate Seminar in Mgmt	
MGSC 625	Supply Chain Management	
MGSC 654	Spec Topics in Quantative Anal	
MIS 672	Application Programming	
MIS 674	Data Communications	
MIS 675	Database Management Systems	
MKTG 634	Marketing Research	
Total Hours		6

1

Six (6) semester hours of restricted elective (Choice of 2 courses from electives list)

Master of Business Administrations (Business Analytics Concentration), MBA

As organizations continue to generate, collect, and, store enormous amounts of data, it becomes imperative to analyze historical, current, and predictive views of business operations to better manage enterprise performance. While a general MBA program focuses on the skills necessary for running a business, a concentration in Business Analytics equips students with the knowledge and skills to use Business Analytics to convert available data into useable and actionable information. A concentration in Business Analytics enables an MBA student to gain a competitive edge by learning critical skills needed to use Business Analytics to improve decision making and performance in a dynamic and intensely competitive environment.

Completion of this program will enable students to enhance their knowledge and skills in Business Analytics. Students will be better prepared to take on the challenges of putting data to use to enhance

decision making and performance such that the organization continues to succeed, grow, and, remain relevant and competitive.

Admission Process

Students admitted to the MBA graduate degree program at the Jesse H. Jones School of Business are eligible to pursue this concentration.

Course Requirements

The following courses or equivalent thereof must have been completed or must be completed as prerequisites to the MBA level courses:

Code	Title	Hours
ACCT 231	Principles Of Accounting I	3
ECON 2301	Principles Of Economics I (OR)	3
ECON 2302	Principles Of Economics II	
MGSC 239	Business Statistics I	3
MGSC 302	Operations Management I	3
MGMT 300	Principles of Management	3
FIN 301	Basic Financial Management	3
MKTG 306	Principles of Marketing	3
MIS 304	Information Technology	3

Curriculum Summary

Core Courses

Code	Title	Hours
BADM 630	Managerial Communication	3
FIN 621	Fin & Econ Anal	3
MGMT 636	Organizational & Mgmt Theory	3
MGMT 670	Global Strategic Mgmt	3
MGSC 624	Statistical Methods	3
MIS 671	Introduction to MIS	3
MKTG 650	Sem Mktg Probs	3
Total Hours		21

Other Required Courses

Code	Title	Hours
ACCT 631	Sem: Managerial Acctg	3
FIN 652	Managerial Finance	3
Total Hours		6

Concentration Courses

Code	Title	Hours
MIS 675	Database Management Systems	3
MIS 686	Data Analytics and Visualization	3
MIS 688	Applied Predictive Analytics	3
Total Hours		9

Degree Requirements

Students pursuing the MBA with concentration in Business Analytics must meet the academic regulations and requirements of the Jesse H. Jones School of Business and the Graduate School including those related to the minimum GPA and scholastic discipline.

Master of Science Management Information Systems (Data Analytics Concentration), MIS

The MS in MIS program with a concentration in Data Analytics is designed to meet the evolving needs of aspiring professionals in the Information Technology field. Students will gain Data Analytics knowledge and skills to successfully transform available data into actionable information. A concentration in Data Analytics enables an MS in MIS student to gain a competitive edge by learning critical skills needed to effectively use Data Analytics to harness the potential of the vast amount of data available within and outside any organization/industry.

Admission Process

Students admitted to the Master of Science in Management Information Systems (MS in MIS) program at the Jesse H. Jones School of Business will be eligible to pursue this concentration.

Course Requirements

The Master of Science in MIS degree with the Data Analytics concentration requires thirty-three (33) hours of course work, including three (9) hours of concentration course(s) credit hours.

DEGREE REQUIREMENTS

Students pursuing the MS in MIS with concentration in Data Analytics must meet the academic regulations and requirements of the Jesse H. Jones School of Business and the Graduate School including those related to the minimum GPA and scholastic discipline.

Curriculum Summary

Core Courses

Code	Title	Hours
MGSC 625	Supply Chain Management	3
MIS 672	Application Programming	3
MIS 675	Database Management Systems	3
MIS 676	Web Design & Development	3
MIS 677	E-Commerce	3
MIS 680	System Analysis & Development	3
MIS 681	IT Project Management	3
MIS 685	Management of Info System	3
Total Hours		24

Concentration Courses

Code	Title	Hours
MGSC 624	Statistical Methods	3
MIS 686	Data Analytics and Visualization	3
MIS 688	Applied Predictive Analytics	3
Total Hours		9

The following courses or equivalent thereof must have been completed or must be completed as prerequisites to the MS in MIS level courses:

Code	Title	Hours
ACCT 231	Principles Of Accounting I	3
ECON 2301	Principles Of Economics I (OR)	3
ECON 2302	Principles Of Economics II	
MGSC 239	Business Statistics I	3
MGSC 302	Operations Management I	3
MGMT 300	Principles of Management	3
FIN 301	Basic Financial Management	3
MKTG 306	Principles of Marketing	3
MIS 304	Information Technology	3

Master of Science Management Information Systems, MIS

The objective of the **Master of Science in Management Information Systems (MS in MIS)** program is to educate a diverse group of students by providing them knowledge of and training in the use and management of computer-based management information systems. The MS program at Texas Southern University provides tools and techniques to individuals in analyzing the management information functions of planning, organizing, staffing, and controlling in small to multinational business organizations and trains them for managerial positions in the Management Information Systems/Supply Chain Management areas of construction, manufacturing, wholesale/retail, energy, and healthcare industries.

Graduates of the MS in MIS program are equipped with:

- Skills in using computers and computer-based applications, including popular business software and their applications to business.
- An understanding of Supply Chain functions and selected MIS applications in that area.
- Skills required to becoming knowledgeable users of at least one commercially available and popular MIS application with SCM focus.
- Skills required for analysis and determination of information requirements, and for developing Management Information
- Systems using commercially available application generators and packages.
- Thorough understanding of what is needed to develop and operate efficient and effective supply chain management systems.

Admission Process

Students are admitted to the MS in MIS program twice per year, in the fall and spring semesters only. The deadline for submission of all application materials is July 15 for the Fall semester and November 15 for the Spring semester (early submission is encouraged).

A complete application consists of the following materials:

1. Evidence of a baccalaureate degree from an accredited institution.
2. An official transcript of all undergraduate course work.
3. An acceptable GRE score (score must be from a test taken within the last five (5) years of the application date, to be considered). An Analytical Writing score of 3.5 or above is required on the GRE exam to fulfill the English proficiency requirement. A GMAT score is accepted in lieu of a GRE score for the MS in MIS graduate degree program with the same terms and conditions as apply to the GRE score.

4. A two-page, career-objective essay (500 words max) including a description of the applicant's greatest accomplishment and disappointment, and, lessons learned from the experiences, as well as a brief discussion of post MS in MIS goals.
5. Two confidential letters of recommendation that include applicant's strengths, areas of improvement, and commitment to excellence.
6. A current résumé.
7. Official TOEFL (Test of English as a Foreign Language) score if the applicant's native language is not English, unless the applicant has received an undergraduate degree from a U.S. college or university. A TOEFL score of at least 550 on the paper based test or 213 on the computer based test or 79 on the Internet based test is required. An official IELTS score can be submitted in lieu of TOEFL in which case a minimum overall band score of 6.0 is required.

Only completed applications (containing all required application materials listed above) will be reviewed for admission. Graduate application materials are received by the Graduate School and forwarded to the Jesse H. Jones School of Business for review. The recommendation of Jesse H. Jones School of Business is returned to the Graduate School. The Graduate School will make the final admission decision and notify the applicant of the decision. Prospective students wishing to inquire about their application status should direct questions to the Graduate School until an official admissions notification is received.

Admission to the MS in MIS program as a conditional or an unconditional student requires a baccalaureate degree from a regionally accredited institution.

Unconditional Admission

The applicant must submit an acceptable Graduate Management Aptitude Test (GMAT) score or a Graduate Record Examinations (GRE) score that will be in conjunction with the applicant's socioeconomic profile and the undergraduate grade point average to determine admission to graduate programs. The following are some factors that may be included in the socioeconomic profile used in the admission process:

1. Economic status of family when applicant attended elementary, secondary, and undergraduate school.
2. Applicant's status as first-generation to attend undergraduate school.
3. Applicant's status as first-generation to attend graduate or professional school.
4. Applicant is multilingual.
5. Applicant's employment while attending undergraduate school.
6. Applicant's role in helping rear other children in family.
7. Applicant's geographic residence in Texas at time of application.
8. Geographic region wherein applicant's high school is located.
9. Applicant's demonstration of performance in community activities.
10. Applicant's demonstration of commitment to a particular field of study.
11. The presence or absence of role models with comparable graduate school training in the applicant's region of residence.
12. The applicant's performance during a personal interview.

Conditional Admission

Students who fail to satisfy the unconditional admission criteria may be admitted on a conditional basis. Under conditional admission, the student must have at least a 3.00 undergraduate grade point average or the undergraduate grade point average on the last sixty-hours (60) of

course work must be at least 3.25. Students admitted in this category will be required to meet the unconditional admission criteria by maintaining at least a grade of "B" or better in each course in the first twelve (12) hours of graduate work within the first year of enrollment. Failure to satisfy unconditional admission criteria within the stipulated time period will result in the student's being dropped from the program. All applicants seeking conditional admission must provide GRE scores with initial admission application.

Course Requirements

The Master of Science in MIS degree requires thirty-three (33) hours of course work, including three (3) hours of an elective that allows students to obtain practical training in the MIS area.

Degree Requirements

The minimum general requirements for the Master of Science in Management Information Systems degree are:

1. A minimum grade point average of 3.0 is required for all graduate work attempted.
2. A residency of at least one academic year, or its equivalent, is required.
3. Courses transferred may not exceed 6 semester hours, and a grade of "B" or better must have been earned in each course.
4. No more than 6 semester credit hours of "C" and/or "C+" work are accepted toward satisfying graduation and degree requirements.
5. The program must be completed within 6 calendar years.
6. All MS in MIS students are required to score a "3.5" or better on the writing component of the GMAT, or pass an English proficiency exam during their first semester, or obtain a passing grade in English 501. The same terms and conditions apply to students submitting a GRE score in lieu of a GMAT score.
7. To be considered full-time, a student must register for at least 9 semester hours of graduate work per semester. A normal course load consists of 12 semester hours. The maximum load that can be taken is 15 semester hours. A student who takes 15 semester hours must have an overall graduate grade point average of 3.5 or better and not be employed full-time.

CURRICULUM Summary

Code	Title	Hours
	Core Curriculum (p. 145)	24
	Other Course Requirements	6
	Elective (p. 145)	3
Total Hours		33

Core Curriculum Requirements

Code	Title	Hours
MGSC 625	Supply Chain Management	3
MIS 672	Application Programming	3
MIS 675	Database Management Systems	3
MIS 676	Web Design & Development	3
MIS 677	E-Commerce	3
MIS 680	System Analysis & Development	3
MIS 681	IT Project Management	3

MIS 685	Management of Info System	3
Total Hours		24

other course requirements

Code	Title	Hours
MIS 674	Data Communications	3
MIS 678	SAP Applications in SCM	3
Total Hours		6

Electives ¹

Code	Title	Hours
MIS 683	Current Topics in MIS	3
or MIS 684	Internship in MIS	
Total Hours		3

1

Three (3) semester hours of restricted elective (Choice of 1 of 2 elective courses as listed)

The following courses or equivalent thereof must have been completed or must be completed as prerequisites to the MS in MIS level courses:

Code	Title	Hours
ACCT 231	Principles Of Accounting I	3
ECON 2301	Principles Of Economics I (OR)	3
ECON 2302	Principles Of Economics II	
MGSC 239	Business Statistics I	3
MGSC 302	Operations Management I	3
MGMT 300	Principles of Management	3
FIN 301	Basic Financial Management	3
MKTG 306	Principles of Marketing	3
MIS 304	Information Technology	3

College of Pharmacy and Health Sciences

Mission

The mission of the Texas Southern University College of Pharmacy and Health Sciences (COPHS) is to produce quality health care professionals, especially African-Americans and other ethnic minorities, who are competent in health care delivery, including the provision of patient-centered care and other health care services and programs.

In fulfilling its purpose, the College is committed to six objectives:

- providing an innovative, productive and receptive learning environment for research and scholarly activities and services;
- infusing new technology into its infrastructure and academic programs;
- preparing, nurturing and mentoring students to be leaders in their fields and good citizens who give back to their city, state, nation and global communities;
- evaluating and assessing academic programs to ensure that the programs support the mission, vision and values of the university and the college;
- supporting the advancement of graduate education and research; and

- developing cross disciplinary programs to reduce health disparities among minority and other disadvantaged population.

Accreditation

The College of Pharmacy and Health Sciences is a member of the American Association of Colleges of Pharmacy and the Association of Schools of Allied Health Professionals. The Doctor of Pharmacy program is accredited by the Accreditation Council for Pharmacy Education (ACPE). The Graduate Program in Pharmaceutical Sciences is approved by Texas Higher Education Coordinating Board. The Clinical Laboratory Science (Medical Technology) Program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS). The Environmental Health program is accredited by National Environmental Health Science and Protection Accreditation Council (EHAC). The Health Information Management Program is accredited by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM). The Respiratory Therapy Program is accredited by the Committee on Accreditation for Respiratory Care (CoARC). The Health Administration program has full certified Undergraduate Membership Status in the Association of University Programs in Health Administration (AUPHA).

- Health Care Administration (Non Thesis Option), Master of Science (p. 150)
- Health Care Administration (Thesis Option), Master of Science (p. 151)
- Nutritional Sciences Dietetics Master of Science (<https://catalog.tsu.edu/graduate/schools-colleges/pharmacy-health-sciences/nutritional-sciences-dietetics-ms/>)
- Pharmaceutical Sciences, Doctor of Philosophy (p. 152)
- Pharmaceutical Sciences, Master of Science (p. 154)

Health Science - Health Administration

HSHA 511 Info Systems in Hlth Care Admi (3 Credits)

Lecture: 3, **Lab:** 0

INFORMATION SYSTEMS IN HEALTH CARE (3) An introduction to substantive course content that provides basic vocabulary and principles of modern information architectures, computer networking and communication technologies and scientific methods. The course will cover the integration of technology in healthcare at all aspects as a result of the electronic health records, Affordable Care Act, HIPAA, etc. The course will keep students abreast of all cutting edge information systems knowledge by providing real-time instruction using practitioners and case-based problem-solving.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Adm and Adm Health Scienc

HSHA 512 Intro to Hlth Care Org (3 Credits)

Lecture: 3, **Lab:** 0

INTRODUCTION TO HEALTH CARE ORGANIZATIONS (3) A review of U.S. health care organizations beginning with a historical context, systems theory, analysis of organizational components health service disciplines with personnel, national, state and local health trend analysis, quality assurance and its role in health care organizations, political issues, group projects and field trips.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Adm and Adm Health Scienc

HSHA 513 HC: Management Statistics (3 Credits)

Lecture: 3, **Lab:** 0

QUANTITATIVE METHODS OF HEALTH MANAGEMENT (3) Mathematical, statistical, computer applications and statistical techniques used in decision making in health care hospitals.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Adm and Adm Health Scienc

HSHA 514 Human Resource & Labor Mgmt (3 Credits)

Lecture: 3, **Lab:** 0

HUMAN RESOURCES MANAGEMENT AND LABOR RELATIONS (3) A review of the application of theories and concepts of organizational behavior to the personnel management function. Topics will include legal and regulatory influences, job analysis recruitment, selection, placement, compensation, performance, improvement and appraisal.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Adm and Adm Health Scienc

HSHA 516 Analysis of Hlth Care Mktgs (2 Credits)

Lecture: 2, **Lab:** 0

ANALYSIS OF HEALTH CARE MARKETS (2) Introduction to survey marketing concepts as applied to health services organizations. Consumer behavior, marketing segmentation, target marketing, marketing research, management and control of marketing mix variables.

College/School: College Of Pharmacy/Hlth Sci.

Department: (R)Dept of Health Sciences

HSHA 517 Health Care Economics (3 Credits)

Lecture: 3, **Lab:** 0

HEALTH CARE ECONOMICS (3) Economy methodologies applied to the health services, concept of efficiency applied to production and distribution of health services, health insurance, government programs, health care personnel, health services organizations, current health policy issues, and emphasis on individual student application of economic principles to health issues.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Adm and Adm Health Scienc

HSHA 518 Urban Health Disparities (3 Credits)

Lecture: 3

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Adm and Adm Health Scienc

HSHA 525 Healthcare Managerial Communication (3 Credits)

Lecture: 3

The course develops the management skills and competencies to enhance oral and written communication for health care managers. The course focuses on developing written skills in executive

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Adm and Adm Health Scienc

HSHA 535 Health Care Professionalism/Leadership (3 Credits)

Lecture: 3

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Adm and Adm Health Scienc

HSHA 612 Health Care Law & Bioethics (3 Credits)**Lecture:** 3, **Lab:** 0

HEALTH CARE LAW BIOETHICS (3) Reviews legal principles influencing health care providers. An overview of basic instruction in contract law, tort law, and antitrust law. Emphasizes major health care liability producing areas and interfaces between law and ethics with an in-depth approach to monitoring the moral mission of the institution. Case studies and practitioner support will be emphasized in this course. Prerequisite: HSHA 512 or Program Director Permission

College/School: College Of Pharmacy/Hlth Sci.**Department:** Phar Adm and Adm Health Scienc**HSHA 613 Research Desg Meth & Analysis (3 Credits)****Lecture:** 3

RESEARCH DESIGN METHODS (3) The course identifies health services research methodology used by health care administrators to collect, analyze and prepare reports for the purposes of running healthcare organizations. The courses focuses on both quantitative and qualitative research methodology enhancing competencies in decision-making based upon statistical analysis various forms of health care data including survey data, patient records, financial records, and other operational data. HSHA 512 or Program Director Permission

Prerequisite(s): HSHA 512**College/School:** College Of Pharmacy/Hlth Sci.**Department:** Phar Adm and Adm Health Scienc**HSHA 620 Contemporary Issues (3 Credits)****Lecture:** 3**Prerequisite(s):** HSHA 512**College/School:** College Of Pharmacy/Hlth Sci.**Department:** (R)Dept of Health Sciences**HSHA 621 Healthcare Org, Strategy & Mgm (3 Credits)****Lecture:** 3**Prerequisite(s):** HSHA 512**College/School:** College Of Pharmacy/Hlth Sci.**Department:** Phar Prattice/Clinical Hlth Sci**HSHA 650 Administrative Residency I (3 Credits)****Lab:** 3**Prerequisite(s):** HSHA 512**College/School:** College Of Pharmacy/Hlth Sci.**Department:** Phar Adm and Adm Health Scienc**HSHA 651 Administrative Residency II (3 Credits)****Lecture:** 3, **Lab:** 0

ADMINISTRATIVE RESIDENCY (3) A defined and structured field experience which will provide a practical professional relationship with preceptor, through handson practical experience which is gained of the management process within health service organizations and the application of theory and techniques through an assigned project or series of projects. Students must participate in two semesters (480 hours) of administrative residency. Students must have health insurance, liability insurance and current TB and immunization records. Prerequisite: Advisor Permission

Prerequisite(s): HSHA 512**College/School:** College Of Pharmacy/Hlth Sci.**Department:** Phar Adm and Adm Health Scienc**HSHA 652 Healthcare Managerial Finance (3 Credits)**

MANAGERIAL FINANCE (3) Application of financial management techniques to decision making for health care providers. Financial management functions and organizations, financial statement analysis, working capital management, present value analysis, capital budget, analysis of local capital management, analysis of local capital budget, cost of capital, variance analysis, financial techniques, case studies, financial analysis. HSHA 512 or Program Director Permission

Prerequisite(s): HSHA 512**College/School:** College Of Pharmacy/Hlth Sci.**Department:** Phar Adm and Adm Health Scienc**HSHA 658 Thesis Research I (3 Credits)****Lecture:** 3, **Lab:** 0

THESIS/RESEARCH PROJECT (3) An intensive research study or selected project on a critical issue of health care administration, giving evidence of a thorough study of original sources, using the information, skills and knowledge obtained throughout the course of study. The student must register for both 658 and 659 to complete the THESIS requirement. The instructor of the Thesis course does not have to serve as the chair of the thesis committee.

College/School: College Of Pharmacy/Hlth Sci.**Department:** Phar Adm and Adm Health Scienc**HSHA 659 Thesis Research II (3 Credits)****Lecture:** 3, **Lab:** 0

THESIS/RESEARCH PROJECT (3) An intensive research study or selected project on a critical issue of health care administration, giving evidence of a thorough study of original sources, using the information, skills and knowledge obtained throughout the course of study. The student must register for both 658 and 659 to complete the THESIS requirement. The instructor of the Thesis course does not have to serve as the chair of the thesis committee.

College/School: College Of Pharmacy/Hlth Sci.**Department:** Phar Prattice/Clinical Hlth Sci**HSHA 662 Health Policy Analysis (3 Credits)****Lecture:** 3

HEALTH POLICY ANALYSIS (3) Analysis of major issues in health services in health care institutions, inclusive of hospitals, medical practices, public health, mental health and professional health education. Prerequisite: HSHA 512 or Program Director Permission

Prerequisite(s): HSHA 512**College/School:** College Of Pharmacy/Hlth Sci.**Department:** Phar Adm and Adm Health Scienc**HSHA 663 Epidemiology Health Care Administration (3 Credits)****Lecture:** 3, **Lab:** 0

EPIDEMIOLOGY FOR HEALTH ADMINISTRATION (3) The course provides an overview into population health and other public health topics for healthcare administration students. The course provides an introduction to competencies in the surveillance of disease in the population. A general analysis of population and public health concepts and terminology explain illness in the population. HSHA 512 or Program Director Permission

College/School: College Of Pharmacy/Hlth Sci.**Department:** Dpt of Pharmaceu Sc& Env HS**HSHA 669 HSHA-Independent Study (3 Credits)****Lecture:** 3**College/School:** College Of Pharmacy/Hlth Sci.**Department:** Phar Adm and Adm Health Scienc

HSHA 670 Cultural Competency for HealthCare Leaders (3 Credits)**Lecture:** 3**Prerequisite(s):** HSHA 512**College/School:** College Of Pharmacy/Hlth Sci.**Department:** Phar Adm and Adm Health Scienc**HSHA 680 Health Admin Capstone (3 Credits)****Lecture:** 3**Prerequisite(s):** HSHA 512**College/School:** College Of Pharmacy/Hlth Sci.**Department:** Phar Adm and Adm Health Scienc**HSHA 699 Independent Study (3 Credits)****Lecture:** 3**Prerequisite(s):** HSHA 512**College/School:** College Of Pharmacy/Hlth Sci.**Department:** (R)Dept of Health Sciences

Pharmaceutical Sciences

PHS 800 Bioethics (3 Credits)**Lecture:** 3

The role of codes of professional conduct in the recognition, evaluation and resolution of conflicting ethical principles in research.

College/School: College Of Pharmacy/Hlth Sci.**Department:** Dpt of Pharmaceu Sc& Env HS**PHS 801 Biostatistics (3 Credits)****Lecture:** 3

Application of descriptive and inferential statistical principles to data collection, collation, and analysis.

College/School: College Of Pharmacy/Hlth Sci.**Department:** Dpt of Pharmaceu Sc& Env HS**PHS 802 Sem/Special Topics (1 Credits)****Lecture:** 1

Students' critical review of research papers and presentations on contemporary scientific issues. Seminars on research topics by outstanding scientists.

College/School: College Of Pharmacy/Hlth Sci.**Department:** Dpt of Pharmaceu Sc& Env HS**PHS 803 Seminar/Special Topics (1 Credits)****Lecture:** 1, **Lab:** 0

Students' critical review of research papers and presentations on contemporary scientific issues. Seminars on research topics by outstanding scientists.

College/School: College Of Pharmacy/Hlth Sci.**Department:** Dpt of Pharmaceu Sc& Env HS**PHS 804 Seminar/Grantsmanship (1 Credits)****Lecture:** 1

Student review and presentation of contemporary issues in / pharmaceutical sciences. Study of basic principles of developing a grant proposal with emphasis on goals/objectives, plan, data analysis, and budgeting.

College/School: College Of Pharmacy/Hlth Sci.**Department:** Dpt of Pharmaceu Sc& Env HS**PHS 805 Seminar/Grantsmanship (1 Credits)****Lecture:** 1

Student review and presentation of contemporary issues in / pharmaceutical sciences. Study of basic principles of developing a grant proposal with emphasis on goals/objectives, plan, data analysis, and budgeting.

College/School: College Of Pharmacy/Hlth Sci.**Department:** (R)Dept of Pharmaceutical Sci**PHS 806 Admin and the Biomed Scien (3 Credits)****Lecture:** 3

A course covering the elements and effective practice of management and administration, including decision-making processes, policy and program development, and selected aspects of behavior in organizations.

College/School: College Of Pharmacy/Hlth Sci.**Department:** (R)Dept of Pharmaceutical Sci**PHS 807 Exp Design/Instr/Clin Measurmt (3 Credits)****Lecture:** 3

The study of the theoretical and practical applications of literature search, statistics, and planning/ design to research development are discussed. It prepares students to employ these tools in solving research problems.

College/School: College Of Pharmacy/Hlth Sci.**Department:** Dpt of Pharmaceu Sc& Env HS**PHS 808 Pathophysiology (3 Credits)****Lecture:** 3

A discussion of the definition, classification, etiology, diagnosis, course, prognosis, signs, and symptoms of disease conditions.

College/School: College Of Pharmacy/Hlth Sci.**Department:** Dpt of Pharmaceu Sc& Env HS**PHS 809 Pharmacology (3 Credits)****Lecture:** 3

Provides knowledge of all aspects of the interactions of drugs with living tissues. Mechanisms of drug action that underlie the use of drugs for purposes are discussed. (Prerequisite: PHS 808, Pathophysiology and PHS 813 Advanced Biochemistry).

College/School: College Of Pharmacy/Hlth Sci.**Department:** Dpt of Pharmaceu Sc& Env HS**PHS 810 Physical Pharmacy (3 Credits)****Lecture:** 3

The study of proteolytic equilibria and buffer solutions, interfacial phenomena and diffusion coefficient, stability kinetics, complexation and protein binding, and polymer science.

College/School: College Of Pharmacy/Hlth Sci.**Department:** Dpt of Pharmaceu Sc& Env HS**PHS 811 Pharmacokinetics (3 Credits)****Lecture:** 3

The discussion of processes of absorption, distribution, metabolism and excretion of drugs. This course also examines the effects of disease, drug dosage forms, and drug doses on therapeutic and toxic responses. (Prerequisite: PHS 810)

College/School: College Of Pharmacy/Hlth Sci.**Department:** Dpt of Pharmaceu Sc& Env HS**PHS 812 Advanced Biochem (3 Credits)****Lecture:** 3

A course exploring the mechanisms of action of biological catalysts and effectors with regard to possible means of selective chemotherapeutic control of biological processes.

College/School: College Of Pharmacy/Hlth Sci.**Department:** Dpt of Pharmaceu Sc& Env HS

PHS 813 Advanced Organic Chem (3 Credits)**Lecture:** 3

Focus on the structure and functions of molecules and the application of those parameters to the design and synthesis of organic substances.

College/School: College Of Pharmacy/Hlth Sci.**Department:** Dpt of Pharmaceu Sc& Env HS**PHS 814 Lab Rotation (3 Credits)****Lecture:** 3

An introduction of on-going research projects to students in three laboratories. Students must complete this course before selecting the dissertation advisor.

College/School: College Of Pharmacy/Hlth Sci.**Department:** Dpt of Pharmaceu Sc& Env HS**PHS 815 Masters Research (1-3 Credits)****Lecture:** 3

MASTERS THESIS Supervised research and thesis preparation

College/School: College Of Pharmacy/Hlth Sci.**Department:** (R)Dept of Pharmaceutical Sci**PHS 816 Masters Thesis (1-3 Credits)****Lecture:** 3**College/School:** College Of Pharmacy/Hlth Sci.**Department:** (R)Dept of Pharmaceutical Sci**PHS 900 Biosyn and Drug Metabolism (3 Credits)****Lecture:** 3

A course describing methods employed in the study/synthesis of natural compounds, biotransformation pathways, and the significance of metabolism in the design of new agents.

College/School: College Of Pharmacy/Hlth Sci.**Department:** Dpt of Pharmaceu Sc& Env HS**PHS 901 Cell Biology (3 Credits)****Lecture:** 3

A course which conveys an understanding of the molecular basis of cellular compartmentalization, protein/membrane trafficking, cytoskeleton regulation, molecular motors, cell cycle, cell death, signal transduction, cell-cell and matrix-cell communications.

College/School: College Of Pharmacy/Hlth Sci.**Department:** Dpt of Pharmaceu Sc& Env HS**PHS 904 Genetics and Pharmacogenomics (3 Credits)****Lecture:** 3

A course describing the biology and physiology of genes. It covers the genetic basis of diseases, drug actions/toxicity, and interindividual differences in responses to drugs.

College/School: College Of Pharmacy/Hlth Sci.**Department:** Dpt of Pharmaceu Sc& Env HS**PHS 905 Advanced Medicinal Chem (3 Credits)****Lecture:** 3

A course emphasizing practical synthetic chemistry useful in the preparation of complex polyfunctional molecules.

College/School: College Of Pharmacy/Hlth Sci.**Department:** (R)Dept of Pharmaceutical Sci**PHS 906 Advanced Pharmacokinetics (3 Credits)****Lecture:** 3

The application of concepts of drug kinetics to the interpretation of preclinical and clinical data. Mathematical derivations of the mass balanced relationships involving rate processes and their physiological importance are discussed. (Prerequisite: PHS 811)

College/School: College Of Pharmacy/Hlth Sci.**Department:** (R)Dept of Pharmaceutical Sci**PHS 907 Advanced Pharmaceutics (3 Credits)****Lecture:** 3

Discussion of topics including Preformulation pharmaceutical excipients, solid dosage forms, dispersed systems, microencapsulated formulations, controlled release dosage forms and dermatological and biotechnological-derived products

College/School: College Of Pharmacy/Hlth Sci.**Department:** (R)Dept of Pharmaceutical Sci**PHS 908 Advanced Drug Delivery Sys (3 Credits)****Lecture:** 3

The current practice, rationale and design of novel drug delivery systems, novel drug delivery systems under investigation and future drug delivery technology and systems.

College/School: College Of Pharmacy/Hlth Sci.**Department:** (R)Dept of Pharmaceutical Sci**PHS 910 Endocrine Pharmacology (3 Credits)****Lecture:** 3

A discussion of the impact of drugs on the biosynthesis and mechanisms of action of hormones in regulation of cellular metabolism and expression of physiological effects. Research problems in endocrinology will be highlighted. (Prerequisites: PHS 809, Pharmacology.)

College/School: College Of Pharmacy/Hlth Sci.**Department:** (R)Dept of Pharmaceutical Sci**PHS 912 Neurpharmacology (3 Credits)****Lecture:** 3

A course focusing on the etiology and development of neurological disease and how drugs, at a molecular level, affect transmission of chemical signals, the brain's signaling system and function as well as pathways of neurological disorders. (Prerequisite: PBS 809, Pharmacology.)

College/School: College Of Pharmacy/Hlth Sci.**Department:** Dpt of Pharmaceu Sc& Env HS**PHS 913 Molecular Pharmacology (3 Credits)****Lecture:** 3

A course designed to study receptors, signaling, pathways, enzymes, channels, transcriptional mechanisms, and molecular modeling relevant to drug design and drug action.

College/School: College Of Pharmacy/Hlth Sci.**Department:** (R)Dept of Pharmaceutical Sci**PHS 916 PhD Research I (1-3 Credits)****Lecture:** 3

Supervised research on an approved research problem suitable for the preparation of a dissertation.

College/School: College Of Pharmacy/Hlth Sci.**Department:** Dpt of Pharmaceu Sc& Env HS**PHS 917 PhD Research II (1-3 Credits)****Lecture:** 3, **Lab:** 0

Supervised research on an approved research problem suitable for the preparation of a dissertation.

College/School: College Of Pharmacy/Hlth Sci.**Department:** Dpt of Pharmaceu Sc& Env HS**PHS 918 PhD Dissertation I (1-9 Credits)****Lecture:** 1-9

Supervised research and dissertation preparation

College/School: College Of Pharmacy/Hlth Sci.**Department:** Dpt of Pharmaceu Sc& Env HS

PHS 919 PhD Dissertation II (1-9 Credits)

Lecture: 1-9

Supervised research and dissertation preparation

College/School: College Of Pharmacy/Hlth Sci.

Department: Dpt of Pharmaceu Sc& Env HS

Health Care Administration (Non Thesis Option), Master of Science
Master of Science in Health Care Administration

Texas Southern University offers a two-year Master of Science degree in Health Care Administration (MHCA). This pioneer program is jointly sponsored by the Texas Southern University Graduate School and the College of Pharmacy and Health Sciences.

Health care will continue to experience change in the near future as the health care delivery system adapts to services that are sensitive to health management as it changes from a biomedical model to a behavioral model. Navigating this complex, competitive and market driven world of health care requires sophisticated administrative skills. Graduates of our Texas Southern University Health Care Administration Program will be prepared to have these skills.

With the Master of Science in Health Care Administration degree from Texas Southern University, graduates join a distinguished group of administrators and alumni who demonstrate skill and proficiency as healthcare managers and executives. Health care organizations have long been recognized as being complex organizations. Too few people, including health managers and health consumers, appreciate the complexity of the organizations. A critical part of the solution for health care in America lies in preparing professionals who can manage these organizations and positively impact the health care system. Consequently, the MHCA program at Texas Southern University is designed to prepare students to focus on improvements in the health care system.

Admission Requirements

The Master of Health Care Administration (MHCA) program requires approximately twenty-four months to complete (including administrative internship) following completion of prerequisite courses in management, statistics, and accounting. Prerequisites must be completed no later than the semester prior to enrollment. Upon being accepted into the (MHCA) program students will have a choice of drafting a Thesis or completing coursework to graduate. Students will declare which option they prefer by signing their degree plan designating they select either (Option 1 Thesis or Option 2 Non- Thesis).

Applicants may have undergraduate degree training in disciplines outside of healthcare administration. Applications for admission to the MHCA program are processed through the University Graduate School.

The Graduate Admissions Committee within the College of Pharmacy and Health Sciences will review all applications and with approval of the Dean of the College of Pharmacy and Health Sciences, the decisions of the Committee will be referred to the Dean of the Graduate School.

Applicants must have graduated with a bachelor's degree (or its equivalent) from an accredited college or university. Applicants must have completed a satisfactory undergraduate sequence of courses.

Applicants must have a strong background in the courses shown below to provide an academic base for advanced studies in health care administration. In addition, prospective students must demonstrate competencies in communications (oral and written) and mathematics. Prerequisite courses may be waived for students who have successfully completed previous course work with a grade of "B" or higher in the following content areas:

- Quantitative Methods in Public Administration
- Public Budgeting
- Finances and Economics of Health Care
- Health Information Systems

Applicants must have a score on the aptitude section of the Graduate Management Admissions Test (GMAT) or Graduate Record Examination (GRE) acceptable to the Admissions Committee for the Graduate School.

Applicants must have a TOEFL score of at least 550 on the paper-based test or 213 on the computer-based test or 79 on the Internet based if the applicant is an international student. Applicants must present an essay identifying career goals and objectives, research interest and the relationship of the health care administration program to the candidate's professional goals. Applicants must present three (3) letters of recommendation from persons qualified to evaluate applicants' capability for graduate study, including past scholastic performance, administrative abilities (as applicable), and personal motivation. Applicants must submit a resume detailing educational accomplishments and work experience.

Application Deadline

The deadline for applications can be found on the Graduate School website.

Course	Title	Hours
First Year		
First Semester		
HSHA 511	Info Systems in Hlth Care Admi	3
HSHA 512	Intro to Hlth Care Org	3
HSHA 513	HC: Management Statistics	3
HSHA 517	Health Care Economics	3
Hours		12
Second Semester		
HSHA 514	Human Resource & Labor Mgmt	3
HSHA 525	Healthcare Managerial Communication	3
HSHA 621	Healthcare Org, Strategy & Mgm	3
HSHA 652	Healthcare Managerial Finance	3
Hours		12
Third Semester		
HSHA 535	Health Care Professionalism/Leadership	3
HSHA Elective		3
HSHA 663	Epidemiology Health Care Administration	3
Hours		9
Second Year		
First Semester		
HSHA 612	Health Care Law & Bioethics	3
HSHA 670	Cultural Competency for HealthCare Leaders	3
HSHA 650	Administrative Residency I	3

HSHA 658	Thesis Research I	3
Hours		12
Second Semester		
HSHA 662	Health Policy Analysis	3
HSHA 680	Health Admin Capstone	3
HSHA 659	Thesis Research II	3
Hours		9
Total Hours		54

Health Care Administration (Thesis Option), Master of Science

Master of Science in Health Care Administration

Texas Southern University offers a two-year Master of Science degree in Health Care Administration (MHCA). This pioneer program is jointly sponsored by the Texas Southern University Graduate School and the College of Pharmacy and Health Sciences.

Health care will continue to experience change in the near future as the health care delivery system adapts to services that are sensitive to health management as it changes from a biomedical model to a behavioral model. Navigating this complex, competitive and market driven world of health care requires sophisticated administrative skills. Graduates of our Texas Southern University Health Care Administration Program will be prepared to have these skills.

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Admission Requirements

The Master of Health Care Administration (MHCA) program requires approximately twenty-four months to complete (including administrative internship) following completion of prerequisite courses in management, statistics, and accounting. Prerequisites must be completed no later than the semester prior to enrollment. Upon being accepted into the (MHCA) program students will have a choice of drafting a Thesis or completing coursework to graduate. Students will declare which option they prefer by signing their degree plan designating they select either (Option 1 Thesis or Option 2 Non- Thesis).

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Dean of the College of Pharmacy and Health Sciences, the decisions of the Committee will be referred to the Dean of the Graduate School.

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Applicants must have a strong background in the courses shown below to provide an academic base for advanced studies in health care administration. In addition, prospective students must demonstrate competencies in communications (oral and written) and mathematics. Prerequisite courses may be waived for students who have successfully completed previous course work with a grade of "B" or higher in the following content areas:

- Quantitative Methods in Public Administration
- Public Budgeting
- Finances and Economics of Health Care
- Health Information Systems

Applicants must have a score on the aptitude section of the Graduate Management Admissions Test (GMAT) or Graduate Record Examination (GRE) acceptable to the Admissions Committee for the Graduate School.

Applicants must have a TOEFL score of at least 550 on the paper-based test or 213 on the computer-based test or 79 on the Internet based if the applicant is an international student. Applicants must present an essay identifying career goals and objectives, research interest and the relationship of the health care administration program to the candidate's professional goals. Applicants must present three (3) letters of recommendation from persons qualified to evaluate applicants' capability for graduate study, including past scholastic performance, administrative abilities (as applicable), and personal motivation. Applicants must submit a resume detailing educational accomplishments and work experience.

Application Deadline

The deadline for applications can be found on the Graduate School website.

For students with a program start date during or after to Fall 2014

Course	Title	Hours
First Year		
First Semester		
HSHA 511	Info Systems in Hlth Care Admi	3
HSHA 512	Intro to Hlth Care Org	3
HSHA 513	HC: Management Statistics	3
HSHA 517	Health Care Economics	3
Hours		12
Second Semester		
HSHA 514	Human Resource & Labor Mgmt	3
HSHA 525	Healthcare Managerial Communication	3
HSHA 621	Healthcare Org, Strategy & Mgm	3
HSHA 652	Healthcare Managerial Finance	3
Hours		12
Third Semester		
HSHA 535	Health Care Professionalism/Leadership	3
HSHA Elective		3

HSHA 663	Epidemiology Health Care Administration	3
Hours		9
Second Year		
First Semester		
HSHA 612	Health Care Law & Bioethics	3
HSHA 670	Cultural Competency for HealthCare Leaders	3
HSHA 650	Administrative Residency I	3
HSHA 658	Thesis Research I	3
Hours		12
Second Semester		
HSHA 662	Health Policy Analysis	3
HSHA 680	Health Admin Capstone	3
HSHA 659	Thesis Research II	3
Hours		9
Total Hours		54

Pharmaceutical Sciences, Doctor of Philosophy

Graduate Program in Pharmaceutical Sciences

The **Pharmaceutical Sciences Graduate Program** is housed in the Department of Pharmaceutical Sciences in the College of Pharmacy and Health Sciences (COPHS) and is led by a group of active, productive faculty. Over the last several years, COPHS faculty have been successfully developing its research infrastructure and capabilities.. Collectively, the Center for Biomedical and Minority Health Research supported by NIMHD, the Center for Comprehensive PK/PD & Formulation supported by CPIRT, and Institute of Drug Discovery and Development supported by NCI, have contributed significantly to the development of research infrastructure in COPHS.

The Doctor of Philosophy in Pharmaceutical Sciences with specialization in pharmacology and pharmaceuticals is offered through the program. The Ph.D. degree curricula are designed to provide a scientifically integrated training that permits students to:

1. Acquire knowledge and skills that facilitate a comprehensive understanding of the genesis and progression of pathological conditions;
2. Apply knowledge and skills to the discovery, design, development, and delivery of drugs and dosage forms and conduct pharmacokinetics and pharmacodynamics studies;
3. Be prepared to pursue professional careers in academic, pharmaceutical industry, and governmental settings.

Admission Requirements

In addition to meeting the requirements and following the procedures for admission to the Graduate School, applicants to the Doctor of Philosophy in Pharmaceutical Sciences must have earned a bachelor's degree in

the natural or health sciences. Admission to the Ph.D. in Pharmaceutical Sciences program will be granted to students who are judged most likely to achieve eminence in the field. It is anticipated that a small number of students will be granted admission each year. Other specific requirements for admission to the program include:

1. An acceptable combined score on the Graduate Record Examination.
2. A minimum cumulative undergraduate GPA of 2.75.
3. Three letters of recommendation from individuals who are familiar with the applicant's previous academic performance and potential for success in graduate school.
4. Equivalent quantitative and qualitative measures indicating academic performance acceptable to the graduate admissions committee.

Socioeconomic factors will also be used to determine an applicant's admission status. International students, in addition to the above requirements, must meet the English Proficiency requirements of the Graduate School.

The primary objective of the Ph.D. degree program is to train students for advanced careers in pharmaceutical sciences. Specialization with two specific tracks, 1) pharmacology and 2) pharmaceuticals, will be offered for the Ph.D. degree. Course requirements for a Ph.D. in Pharmacology and Ph.D. in Pharmaceuticals are tabulated below; the course descriptions are listed in item D.

The primary objective of the Ph.D. degree program is to train students for advanced careers in pharmaceutical sciences. Specialization with two specific tracks, 1) pharmacology and 2) pharmaceuticals, will be offered for the Ph.D. degree. Course requirements for a Ph.D. in Pharmacology and Ph.D. in Pharmaceuticals are tabulated below; the course descriptions are listed in item D.

Pharmacology Track

Code	Title	Hours
Core Courses (p. 152)		21
Electives (p. 152)		6
Seminars (p. 153)		4
Research and Dissertation (p. 153)		43
Total Hours		74

Core Courses

Code	Title	Hours
PHS 800	Bioethics	3
PHS 801	Biostatistics	3
PHS 808	Pathophysiology	3
PHS 809	Pharmacology	3
PHS 811	Pharmacokinetics	3
PHS 812	Advanced Biochem	3
PHS 913	Molecular Pharmacology	3
Total Hours		21

Electives

Code	Title	Hours
Select two courses from the following:		6
PHS 806	Admin and the Biomed Scien	
PHS 807	Exp Design/Instr/Clin Measurmt	
PHS 813	Advanced Organic Chem	
PHS 900	Biosyn and Drug Metabolism	
PHS 901	Cell Biology	
PHS 904	Genetics and Pharmacogenomics	
PHS 905	Advanced Medicinal Chem	

PHS 910 Endocrine Pharmacology

PHS 912 Neurpharmacology

Seminars

Code	Title	Hours
PHS 802	Sem/Special Topics	1
PHS 803	Seminar/Special Topics	1
PHS 804	Seminar/Grantsmanship	1
PHS 805	Seminar/Grantsmanship	1
Total Hours		4

Research and dissertation

Code	Title	Hours
PHS 814	Lab Rotation	3
"PHS 916	Ph.D. Research	8
"PHS 917	PhD. Research"	8
"PHS 918	Ph.D. Dissertation"	12
"PHS 919	Ph.D. Dissertation"	12
Total Hours		43

PHARMaceutics TRACK

Code	Title	Hours
Core Courses (p. 152)		21
Electives (p. 152)		6
Seminars (p. 153)		4
Research and Dissertation (p. 153)		43
Total Hours		74

CORE Courses

Code	Title	Hours
PHS 800	Bioethics	3
PHS 801	Biostatistics	3
PHS 809	Pharmacology	3
PHS 810	Physical Pharmacy	3
PHS 811	Pharmacokinetics	3
PHS 812	Advanced Biochem	3
PHS 908	Advanced Drug Delivery Sys	3
Total Hours		21

ELECTIVES

Code	Title	Hours
Select 2 courses from the following:		6
PHS 806	Admin and the Biomed Scien	
PHS 807	Exp Design/Instr/Clin Measurmt	
PHS 900	Biosyn and Drug Metabolism	
PHS 901	Cell Biology	
PHS 906	Advanced Pharmacokinetics	
PHS 907	Advanced Pharmaceutics	
Total Hours		6

Seminars

Code	Title	Hours
PHS 802	Sem/Special Topics	1
PHS 803	Seminar/Special Topics	1
PHS 804	Seminar/Grantsmanship	1
PHS 805	Seminar/Grantsmanship	1
Total Hours		4

research and dissrtation

Code	Title	Hours
PHS 814	Lab Rotation	3
"PHS 916	Ph.D. Research"	8
"PHS 917	Ph.D. Research"	8
"PHS 918	Ph.D. Dissertation"	12
"PHS 919	Ph.D. Dissertation"	12
Total Hours		43

Philosophy, PhD Program Requirements

Completion of 74 credit hours of course work.

Qualifying Examination

The exam should be taken as soon as a student completes the **Foundation/Leveling Courses, usually within the 1st year of the graduate program**. The purpose of the qualifying examination will be to test the student's level of understanding of basic concepts in the pharmaceutical sciences. This examination not only will be a test of a student's preparation to undertake doctoral work, but also will be used as a diagnostic tool to indicate whether or not further work in any of the these areas will be needed. Until the student passes the qualifying examination (minimum 75%), he/she will be limited in the advanced doctoral coursework that he/she can take.

Comprehensive Examination

The examination is intended to test a student's mastery of the skills and knowledge that should have been acquired in the program of study. Upon the successful completion of this examination and other graduate school requirements, the student becomes a candidate for the doctoral degree. The examination will be taken at the end of the period of formal course work and study, but prior to the commencement of substantial work on the dissertation. The examination cannot be taken until all credit hour requirements are completed. A candidate will be given two attempts to take and pass the Comprehensive Examination (minimum 75%). Therefore, concerted work on the dissertation will not normally begin until the student has passed the comprehensive examination. A doctoral student who fails the comprehensive examination the second time may petition for a third examination. The petition must show a plan of action in which the petitioner will engage to enhance his/her chances for satisfactorily completing the examination that was failed. The chairperson of the student's doctoral committee, the department head, the dean of the college and the dean of the graduate school must approve the petition. A student who fails to pass the doctoral comprehensive exam or any part of it after the third attempt will be automatically discontinued as a student in the doctoral degree program.

Doctoral Candidacy

The doctoral student must satisfy the following requirements before he/she can be admitted to candidacy for the degree:

- 1. Be admitted unconditionally to the Doctor of Philosophy in pharmaceutical sciences degree program.
- 2. Satisfy the residency requirement of two consecutive semesters of full-time residence or an approved equivalence.
- 3. Pass the doctoral comprehensive examination.

Dissertation Work and Oral Public Defense of the Dissertation

After achieving candidacy, the advisor in consultation with the candidate will recommend a dissertation committee to the Dean of the Graduate School. The dissertation committee will consist of a minimum of three graduate faculty members with demonstrated expertise in the focus of the dissertation. These three members include the dissertation advisor, one member from a faculty of the College of Pharmacy and Health Sciences, a third member who will be a graduate school representative appointed by the Dean of the Graduate School, and potentially an additional member from an outside institution. The dissertation advisor will serve as chairman of the dissertation committee. When the dissertation proposal has been approved the candidate will:

- complete the required research,
- prepare a dissertation, and
- make an oral defense to the committee.

If failed, the candidate must petition the Dean of the Graduate School, through his department, for permission to take the examination a second time. A second examination will not be permitted within a period of one semester after a failure is recorded on the first attempt. The dissertation serves a number of purposes and involves the following:

- 1. satisfying the academic community.
- 2. Meeting the university standards.
- 3. Demonstrating to the supervisory committee that the student is capable of undertaking and successfully completing

Dissertation or thesis research courses receive grades of satisfactory or unsatisfactory only. Grades are assigned only after the defense of the dissertation or thesis. A successful defense and submission of the dissertation or thesis requires the supervising member of faculty to assign a satisfactory grade for the appropriate research courses.

Publications

The ability to develop and test scientifically meritorious hypotheses and publish the findings in peer-reviewed, indexed scientific journals is a critical skill for advanced careers in pharmaceutical sciences. The Ph.D. candidate must demonstrate ability in this area by:

- a. Making a minimum of two presentations at national research meetings.
- b. Publishing a minimum of one paper in a peer-reviewed indexed scientific journal.
- c. Submitting a minimum of one research paper for publication in an indexed-refereed journal.

Time Limit for the Completing of the Doctor of Philosophy Degree

After being admitted to a program leading to the Doctor of Philosophy degree, a student will be allowed seven calendar years in which to complete all the program requirements. Continuation in the doctoral degree program beyond the seven-year limit must be approved by the student's Doctoral Degree Advisory Committee and the Dean of the Graduate School. The maximum time allowed to complete the doctoral program, including an approved extension, is nine calendar years. This time limit does not include work done as part of the requirements for the master's degree. Credits earned more than seven years prior to the date of completion of doctoral degree requirements at Texas Southern University cannot be accepted toward satisfying the doctoral degree requirements.

Readmission

A student who discontinues matriculation in the Graduate School for one or more semesters must apply for readmission. The evaluation of applications for readmission will be based on University and specific program admission requirements in existence at the time of the re-admission application.

**Pharmaceutical Sciences, Master of Science
Graduate Program in Pharmaceutical Sciences**

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- 2. Apply knowledge and skills to the discovery, design, development, and delivery of drugs and dosage forms and conduct pharmacokinetics and pharmacodynamics studies;
- 3. Be prepared to pursue professional careers in academic, pharmaceutical industry, and governmental settings.

Summary Pharmacology Track

Code	Title	Hours
Core Courses (p. 155)		21
Electives (p. 155)		3

Research and Thesis (p. 155)	9
Total Hours	33

Core Curriculum

Code	Title	Hours
PHS 800	Bioethics	3
PHS 801	Biostatistics	3
PHS 808	Pathophysiology	3
PHS 809	Pharmacology	3
PHS 811	Pharmacokinetics	3
PHS 812	Advanced Biochem	3
PHS 813	Advanced Organic Chem	3
Total Hours		21

Electives

Code	Title	Hours
Select one of the following:		3
PHS 806	Admin and the Biomed Scien	
PHS 807	Exp Design/Instr/Clin Measurmt	
PHS 813	Advanced Organic Chem	
PHS 900	Biosyn and Drug Metabolism	
PHS 901	Cell Biology	
PHS 904	Genetics and Pharmacogenomics	
PHS 905	Advanced Medicinal Chem	
PHS 910	Endocrine Pharmacology	
PHS 912	Neurpharmacology	
Total Hours		3

1

Pharmacology Track

2

Pharmaceutics Track

Research and Thesis

Code	Title	Hours
PHS 814	Lab Rotation	3
PHS 815	Masters Research	3
PHS 816	Masters Thesis	3
Total Hours		9

SUMMARY PHARMaceutics TRACK

Code	Title	Hours
Core Courses (p. 155)		21
Electives (p. 155)		3
Research and Thesis (p. 155)		9
Total Hours		33

CORE CURRICULUM

Code	Title	Hours
PHS 800	Bioethics	3
PHS 801	Biostatistics	3
PHS 809	Pharmacology	3

PHS 810	Physical Pharmacy	3
PHS 811	Pharmacokinetics	3
PHS 812	Advanced Biochem	3
PHS 908	Advanced Drug Delivery Sys	3
Total Hours		21

ELECTIVES

Code	Title	Hours
Select one of the following:		3
PHS 806	Admin and the Biomed Scien	
PHS 807	Exp Design/Instr/Clin Measurmt	
PHS 900	Biosyn and Drug Metabolism	
PHS 901	Cell Biology	
PHS 906	Advanced Pharmacokinetics	
PHS 907	Advanced Pharmaceutics	
Total Hours		3

Research and thesis

Code	Title	Hours
PHS 814	Lab Rotation	3
PHS 815	Masters Research	3
PHS 816	Masters Thesis	3
Total Hours		9

A student should also meet the following requirements:

1. Completion of 33 credit hours of course work.
2. Minimum of one presentation at a national research meeting.
3. Submission of one research paper to indexed-refereed journal.
4. Successful public defense of thesis.

Barbara Jordan - Mickey Leland School of Public Affairs

The mission of the **Barbara Jordan-Mickey Leland School of Public Affairs** is to serve as an urban-focused community of learning, dedicated to educating professionals who will plan and administer environmentally healthy and sustainable communities at the local, state, national, and international levels of society. Currently, the Barbara Jordan-Mickey Leland School of Public Affairs offers and administers the following graduate degree programs: Master of Science in Administration of Justice, Doctor of Philosophy in Administration of Justice, Master of Public Administration, Executive Master of Public Administration, Master of Urban Planning and Environmental Policy and Doctor of Philosophy in Urban Planning and Environmental Policy. In offering these programs, the School seeks to achieve the following objectives:

1. Promote teaching, research, and service activities that will enhance the performance of public administrators, urban planners, and environmental policy analysts at local, state, national and international levels.
2. Provide an interdisciplinary focused graduate education that contains the theory, concepts, and research skills necessary for students who seek careers in public administration, urban planning, and environmental policy and for those already working in these career areas that want to improve their capabilities.

3. Generate state of the art research that advance understanding on complex public policy issues facing public sector managers, urban planners, and environmental policy makers.
 4. Educate students with appropriate knowledge, analytic skills, managerial capabilities, and sensitivities to address questions of equity and social justice.
 5. Prepare students to become wise consumers of research and instill in them the importance of continuing their professional career development.
- Administration Of Justice (Non-Thesis Option), Master of Science (p. 160)
 - Administration of Justice (Thesis Option), Master of Science (p. 161)
 - Administration of Justice, Doctor of Philosophy (p. 162)
 - Executive Master of Administration of Justice (Non-Thesis Option), eMAJ (p. 164)
 - Executive Master of Administration of Justice (Thesis Option), eMAJ (p. 165)
 - Executive Master of Public Administration (p. 169)
 - Master of Public Administration (Health Administration Concentration) (p. 171)
 - Master of Public Administration (Human Resources Concentration) (p. 170)
 - Master of Public Administration (Public Policy Concentration) (p. 172)
 - Master of Public Administration (Urban Planning and Environmental Policy Concentration) (p. 174)
 - Master of Public Administration/Juris Doctor Dual Degree (p. 175)
 - Public Affairs, Bachelor of Science and Executive Master Public Administration, EMPA 4+1 Dual Degree (p. 177)
 - Public Affairs, Bachelor of Science and Master of Public Administration 4+1 Dual Degree (p. 176)
 - Urban Planning and Environmental Policy (Community Development and Housing Concentration), Master (p. 185)
 - Urban Planning and Environmental Policy (Spatial Analysis and Mobility Planning Concentration), Master (p. 187)
 - Urban Planning and Environmental Policy (Sustainable Environmental and Land Use Planning Concentration), Master (p. 190)
 - Urban Planning and Environmental Policy, Doctor of Philosophy (p. 192)

Department of Administration of Justice

- Administration Of Justice (Non-Thesis Option), Master of Science (p. 160)
- Administration of Justice (Thesis Option), Master of Science (p. 161)
- Administration of Justice, Doctor of Philosophy (p. 162)
- Executive Master of Administration of Justice (Non-Thesis Option), eMAJ (p. 164)
- Executive Master of Administration of Justice (Thesis Option), eMAJ (p. 165)

AJ 500 Sem in Admin of Justice (3 Credits)

Lecture: 3

AJ 500 Seminar in Administration of Justice (3) This course introduces students to the study of administration of justice. It provides an overview of the historical development of justice agencies and contemporary administrative, organizational, and management issues.

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

AJ 501 Seminar in ADM of JUS Theory (3 Credits)

Lecture: 3

Foundations of Justice Administration (3) This course introduces students to the study of administration of justice. It provides an overview of the history, theories, ideologies, organization, management and contemporary issues in justice agencies.

Prerequisite(s): AJ 500

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

AJ 502 Seminar in Research Methods (3 Credits)

Lecture: 3

Research Methods (3) This course provides an overview of research methods, evaluation research, and the role of the researcher in administration of justice.

Prerequisite(s): AJ 500

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

AJ 503 Seminar in Quantitative Meth I (3 Credits)

Lecture: 3

Data Analysis for the Administration of Justice (3) Introduction to statistics and data analysis in administration of justice. Includes an overview of measurement and statistics for univariate, bivariate and multivariate data.

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

AJ 504 Sem RaceClassGenderCrime in AJ (3 Credits)

Lecture: 3

Policy Issues in the Administration of Justice (3) This course examines contemporary policy issues in Administration of Justice. Special emphasis is placed upon the policy making process in law enforcement, corrections and judicial agencies.

Prerequisite(s): (AJ 501 and AJ 500)

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

AJ 505 Seminar on Ethics in AJ (3 Credits)

Lecture: 3

Race, Class, and Gender in Administration of Justice (3) This course examines the historical and contemporary context of race, class, and gender and its impact on justice agency administration. Special emphasis is placed upon contemporary issues including minority employment trends in justice agencies, racial profiling, and disproportionate minority confinement.

Prerequisite(s): AJ 500

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

AJ 607 Police Administration (3 Credits)**Lecture: 3**

Police Administration (3) Seminar on the administration and management of federal, state, local, private, special district and tribal police organizations. Special emphasis is placed on new challenges to police administration including community policing, homeland security, and technological advances.

Prerequisite(s): AJ 500

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

AJ 608 Crime Lab Administration (3 Credits)**Lecture: 3**

Crime Lab Administration (3) This course examines the policies and procedures critical to crime lab administration. Topics include managing evidence and property inventories, interorganizational cooperation, and new approaches to crime lab management.

Prerequisite(s): AJ 500 and AJ 607

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

AJ 609 Issues In Corrections Administ (3 Credits)**Lecture: 3**

AJ 609 Issues in Corrections Administration (3) This course will examine the organization and administration of correctional agencies including jails, prisons, probation and parole, and administration of the death penalty. Emphasis is placed on contemporary administrative and policy issues including prison overcrowding, policy initiatives such as three-strikes legislation, and sentencing disparities. (Prerequisites: AJ 500, 504.)

Prerequisite(s): AJ 500 and AJ 504

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

AJ 610 Issues in Judicial Adm (3 Credits)**Lecture: 3**

Homeland Security Issues and Administration of Justice (3) Introduction to homeland security at the federal, state, and local levels of government. Includes an overview of the reorganization of federal, state, and local agencies, legislation, and border security and other challenges for justice agency administrators.

Prerequisite(s): AJ 500 and AJ 501

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

AJ 611 Issues in Juvenile Justice Adm (3 Credits)**Lecture: 3**

Issues in Corrections Administration (3) This course will examine the organization and administration of correctional agencies including jails, prisons, probation and parole, and administration of the death penalty. Emphasis is placed on contemporary administrative and policy issues including prison overcrowding, policy initiatives such as three-strikes legislation, and sentencing disparities.

Prerequisite(s): AJ 500 and AJ 501

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

AJ 612 ADM Law for Justice Agencies (3 Credits)**Lecture: 3**

Issues in Judicial Administration (3) This course presents an overview of administrative issues confronting courts and court related agencies in Texas and at the federal level. The course will also examine contemporary issues including sentencing policies, disparities in sentencing, restorative justice, and diversion.

Prerequisite(s): AJ 500 and AJ 504

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

AJ 613 Eval Research for Jus Agencies (3 Credits)**Lecture: 3**

AJ 613 Evaluation Research for Justice Agencies (3) This course provides an overview of evaluation research methods and their application to justice agencies policies and programs. It provides an in-depth analysis of the complexities of evaluation research in administration of justice by examining recent research. (Prerequisites: AJ 501, 502, 503, 504.)

Prerequisite(s): AJ 500 and AJ 502 and AJ 503 and AJ 504

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

AJ 614 Issues in Terrorism and AJ (3 Credits)**Lecture: 3**

AJ 614 Issues in Terrorism and the Administration of Justice (3) This course presents an analysis of the impact of terrorism on administration and management of justice agencies. Topics covered include domestic and international terrorism, integrated terrorism information systems, secure confinement, and technological developments. (Prerequisites: AJ 501, 607.)

Prerequisite(s): AJ 501 and AJ 607

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

AJ 615 Seminar on Special Topic In AJ (3 Credits)**Lecture: 3**

AJ 615 Seminar on Special Topics in Administration of Justice (3) This course is designed to provide in-depth analyses of selected topics in Administration of Justice. (Prerequisites: AJ 500, 501, 502, 503.)

Prerequisite(s): AJ 500 and AJ 501 and AJ 502 and AJ 503

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

AJ 616 Environmental Crime & AJ (3 Credits)**Lecture: 3**

AJ 616 Environmental Crime and Administration of Justice (3) This course provides an examination of the nature and forms of environmental crime and the role of justice agencies in its prevention and control. The course includes an examination of perpetrators, enforcement, prosecution and sanctioning at state, national and international levels. (Prerequisites: AJ 500, 504, 505.)

Prerequisite(s): AJ 500 and AJ 505

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

AJ 617 Independent Study (3 Credits)

AJ 617 Independent Study (3) This course is a student-initiated research activity that involves successful completion of a research project in administration of justice; development of references pertinent to the research topic; a collection of relevant articles and brief synopsis; and submission of a twenty-five (25) pages or more research report to the professor. (Prerequisites: AJ 500, 501, 502, 503, 504, 505 and two electives).

Prerequisite(s): AJ 500 and AJ 501 and AJ 502 and AJ 503 and AJ 504 and AJ 505

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

AJ 701 Capstone Seminar (3 Credits)

Lecture: 3

AJ 701 Capstone Seminar (3) This course is required for students selecting the non-thesis option. It will examine contemporary issues and practices in administration of justice. The course will culminate with a capstone project that focuses on a specific aspect of administration of justice. (Prerequisites: AJ 500, 501, 502, 503, 504, 505 and 2 electives.)

Prerequisite(s): AJ 500 and AJ 501 and AJ 502 and AJ 503 and AJ 504 and AJ 505

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

AJ 702 Internship (3 Credits)

AJ 702 Internship (3) Internship provides an opportunity for students to gain experience in justice agency.

Prerequisite(s): AJ 500 and AJ 501 and AJ 502 and AJ 503 and AJ 504 and AJ 505

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

AJ 788 Thesis I (3,6 Credits)

Lecture: 3,6, **Lab:** 0

Thesis (3 or 6) Enrollment is required when the thesis is being completed. Only 6 credits may be applied to the Master's degree. Students will prepare their thesis under the direction of a thesis advisor and committee. (Prerequisites: Completion of AJ 500, 501, 502, 503, 504, 505, and 2 electives. Permission of the GPD.)

Prerequisite(s): AJ 500 and AJ 501 and AJ 502 and AJ 503 and AJ 504 and AJ 505

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

AJ 789 Thesis II (3,6 Credits)

Lecture: 3,6

Thesis (3 or 6) Enrollment is required when the thesis is being completed. Only 6 credits may be applied to the Master's degree. Students will prepare their thesis under the direction of a thesis advisor and committee. (Prerequisites: Completion of AJ 500, 501, 502, 503, 504, 505, and 2 electives. Permission of the GPD.)

Prerequisite(s): AJ 500 and AJ 501 and AJ 502 and AJ 503 and AJ 504 and AJ 505

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

AJ 900 Adv Sem In AJ Orgn & Processes (3 Credits)

Lecture: 3

Advanced Seminar in the Administration of Justice Organizations and Processes (3) This is an advanced course designed to examine administration of justice agencies and processes in a historical and contemporary context. It includes an indepth analysis of contemporary issues and challenges in justice organizations.

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

AJ 901 ADV Sem in AJ/Crim Justic (3 Credits)

Lecture: 3

Advanced Seminar in Administration of Justice/Criminology/Criminal Justice Theory (3) This course examines criminological, criminal justice and administration of justice theories. It includes an analysis of the interrelatedness of justice theories and recent theoretical developments.

Prerequisite(s): AJ 900

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

AJ 902 Adv Sem in AJ Research Method (3 Credits)

Lecture: 3

Advanced Seminar in Administration of Justice Research Methods (3) This course examines the theory and concepts of research design and measurement. It includes in-depth analyses of operationalization of theoretical concepts, causality, validity, and principles and challenges to research methods in administration of justice. (Prerequisite: AJ 900)

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

AJ 903 Sem in Advanced Quant Method I (3 Credits)

Lecture: 3

Seminar in Advanced Quantitative Methods I (3) This course examines advanced quantitative methods of data analysis. It includes the theoretical foundation for regression analyses and examines linear regression, multiple regression, and logistic regression. Special attention is devoted to recent quantitative studies in administration of justice utilizing advanced regression statistical techniques. (Prerequisite: AJ 900 and 902)

Prerequisite(s): AJ 902

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

AJ 904 Adv Sem in Race Class Gender (3 Credits)

Lecture: 3

Advanced Seminar in Race, Class, Gender, Crime and the Administration of Justice (3) This seminar surveys the role of race, class, and gender in the administration of justice. It provides an in-depth analysis of historical and contemporary research on race, class, gender, and crime. Special emphasis is placed upon social, economic, and political factors that impact crime and the administration of justice policy and planning. (Prerequisite: AJ 900, AJ 901)

Prerequisite(s): AJ 900

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

AJ 905 Sem in Adm Crime Mapping & AJ (3 Credits)**Lecture: 3**

Seminar in Advanced Crime Mapping and Administration of Justice (3) This course examines the history and contemporary strategies and applications of crime mapping in justice agencies including mapping crime locations and density of crime, victims and offenders. (Prerequisite: AJ 902, 903)

Prerequisite(s): AJ 903

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

AJ 907 Adv Sem in Contemporary Issues (3 Credits)**Lecture: 3**

Advanced Seminar in Contemporary Issues in Homeland Security Administration (3) This advanced seminar examines emerging and contemporary issues in Homeland Security Administration including threat assessment, technological advancements, ethical issues, interagency cooperation, preventive security, and community involvement. (Prerequisites: AJ 900, 906)

Prerequisite(s): AJ 900 and AJ 906

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

AJ 908 Adv Sem in Priv Security Adm (3 Credits)**Lecture: 3**

Advanced Seminar in Private Security Administration (3) This course will examine administration and management of private security agencies. It will include the history, theory, and current practice of private security. Special emphasis will be placed upon cooperation between public and private security agencies, technological developments, and other contemporary issues. (Prerequisite: AJ 900)

Prerequisite(s): AJ 900

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

AJ 909 Adv Seminar on Terrorism (3 Credits)**Lecture: 3**

Advanced Seminar on Terrorism (3) This course gives an overview of terrorism and counter-terrorism issues in the administration of justice. The seminar examines terrorism legislation, domestic and international terrorist groups, responses to terrorism by state, local, and federal agencies, and recent terrorism policies and research. (Prerequisites: AJ 900, 906)

Prerequisite(s): AJ 900 and AJ 906

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

AJ 910 Adv Sem in AJ Policy Eval & Pl (3 Credits)**Lecture: 3**

Advanced Seminar in Administration of Justice Policy, Evaluation and Planning (3) This course includes an examination of policy and planning in administration of justice agencies. It presents an in depth analysis of the history of the policy making process and internal and external dynamics of planning. Special attention is devoted to contemporary developments in law enforcement, corrections and judicial policy and planning. (Prerequisites: AJ 900, 901, 902, 903, 904)

Prerequisite(s): AJ 900 and AJ 901 and AJ 903 and AJ 904

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

AJ 911 Sem in Adv Topics Race Gender (3 Credits)**Lecture: 3**

Seminar in Advanced Topics in Race, Gender, Class, Crime and Administration of Justice (3) This seminar provides in-depth analysis of critical issues in the study of race, class, gender and crime and administration of justice. Recent policies and research on selected contemporary topics including sentencing, traffic stop data collection, and homeland security profiling will be examined. The course also examines recent developments in disproportionate minority confinement, violence, and victimization research as well as other relevant issues. (Prerequisites: AJ 900, 901, 902)

Prerequisite(s): AJ 900 and AJ 901 and AJ 902

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

AJ 912 Sem in Qualitative Methods (3 Credits)**Lecture: 3**

Seminar in Qualitative Methods in Administration of Justice (3) This course examines qualitative research and data analysis methods and their application in the administration of justice. (Prerequisites: AJ 900, 901, 902, 903)

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

AJ 913 Sem in Adv Quant Methods II (3 Credits)**Lecture: 3**

Seminar in Advanced Quantitative Methods II (Special Topics) (3) This course is designed to provide an indepth analysis of specific advanced topics in quantitative methods and their application to administration of justice. These topics include structural equation modeling, modeling longitudinal data, categorical data analysis, and meta analysis. (Prerequisite: AJ 900, 901, 902, 903)

Prerequisite(s): AJ 901 and AJ 903

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

AJ 914 Adv Sem in Law & Adm of Justic (3 Credits)**Lecture: 3**

Advanced Seminar in Law and Administration of Justice (3) This course provides an indepth analysis of the role of law in the administration of justice. Special attention is devoted to recent and contemporary administrative law guiding justice agencies. It includes an examination of laws enacted to prevent and control terrorism and to foster homeland security. Issues in international law are also addressed. (Prerequisites: AJ 900, 901, 902, 910.)

Prerequisite(s): AJ 900 and AJ 901 and AJ 902 and AJ 910

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

AJ 915 Adv Sem in Apps of GIS in AJ (3 Credits)**Lecture: 3**

Advanced Seminar in Applications of Geographic Information Systems in Administration of Justice (3) This seminar examines the history and theory of geographic information systems in the administration of justice. It includes an exploration of techniques of geographic information that includes collection, display, analysis and storage and applications. (Prerequisite: AJ 905, Permission of the GPD)

Prerequisite(s): AJ 905

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

AJ 916 Doctoral Sem in Spec Topics (3 Credits)**Lecture:** 3

Doctoral Seminar in Special Topics (3) This advanced seminar focuses on selected topics and recent developments in the administration of justice. (Prerequisite: AJ 900, 901, 902, 903, 904), Permission of the GPD)

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

AJ 917 Independent Study (3 Credits)

Independent Study (3) This is a faculty-supervised independent study of a current topic in the administration of justice. (Prerequisite: AJ 900, 901, 902, 903, Permission of the GPD)

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

AJ 987 Research Colloquium (3 Credits)**Lecture:** 3

Research Colloquium (3) This advanced seminar will present issues of concern for doctoral candidates. Specific attention will be devoted to grantsmanship, publishing, emerging research issues, teaching, and other aspects of career development. (Prerequisite: Admission to candidacy and successful defense of the dissertation proposal)

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

AJ 988 Dissertation (3-12 Credits)**Lecture:** 3-12

Dissertation (12) Under the guidance of a dissertation advisor and committee students will complete a dissertation and orally defend it. The dissertation should add to the body of administration of justice knowledge. A total of twelve dissertation credits is required.

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

AJ 989 Dissertation (3 Credits)

Dissertation (12) Under the guidance of a dissertation advisor and committee students will complete a dissertation and orally defend it. The dissertation should add to the body of administration of justice knowledge. A total of twelve dissertation credits is required.

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

Administration Of Justice (Non-Thesis Option), Master of Science

Program Description

The purpose of the Master of Science in Administration of Justice (MSAJ) Program is to educate a cadre of justice academicians as change agents prepared to teach, conduct research and assume administrative and policy positions at all levels of government and in the private sector both nationally and globally. The MSAJ Program will prepare professionals to address traditional and emerging administrative and management issues in criminal justice agencies.

The program is designed to fill the current void in graduate studies in the administration of justice and attract African Americans and other minorities that are underrepresented in graduate administration of justice education. The educational objectives of the MSAJ are:

1. To provide students with a foundation of knowledge that includes the history and theory of the administration of justice.
2. To provide students with knowledge of research methods in administration of justice.

3. To develop students' data analysis skills for administration of justice.
4. To develop students' awareness of race, class, and gender related issues in administration of justice.
5. To sensitize students to ethical issues in administration of justice.
6. To provide students with specialized knowledge about justice agency administration.
7. To provide students with the knowledge necessary for advancement to doctoral studies.
8. To prepare students for teaching at the college level.

Admission Criteria

Students with an interest in pursuing a Master of Science degree in Administration of Justice must meet the admission requirements of the TSU Graduate School. An application for admission to the Graduate School must be completed and is processed through the TSU Graduate School. Completed applications are referred to the School of Public Affairs for an acceptance decision by the Graduate Admissions Committee in the MSAJ program. Decisions of the MSAJ Graduate Admissions Committee are referred to the Dean of the Graduate School.

Students must also submit the following to the Graduate School:

1. An application.
2. A typed 250-300 word statement of their interest in administration of justice, their goals and objectives.
3. Three letters of recommendation.
4. Two copies of official transcripts from undergraduate and graduate institutions attended.
5. Evidence of proficiency in the use of the English language.

Students must have successfully completed an undergraduate course in criminology/criminal justice theory, a course in research methods and a statistics course prior to admission. Students without these courses can be admitted conditionally and are required to complete any prerequisite courses in the School of Public Affairs with at least a grade of "B." Undergraduate preparation in either administration of justice, criminal justice, criminology, public affairs, or the social sciences is preferred but not required.

The Master of Science in Administration of Justice has the following requirements:

1. All students must complete thirty-six (36) credit hours. Students can choose either a thesis or non-thesis option.
2. All students are required to complete six (6) core courses.
3. Students that choose the thesis option also will complete four (4) elective courses, six (6) thesis credits, and a thesis.
4. Students that choose the non-thesis option also will complete four (4) elective courses, a capstone seminar in the administration of justice, and an internship that involves research and data analysis.
5. All students must prepare a degree plan after the completion of twelve (12) graduate credits. The degree plan is developed by the student and approved by the advisor. The degree plan must be submitted to the Graduate School during the second semester of the first year of graduate studies.
6. Students must successfully complete all courses with acceptable grades.
7. Students must fulfill the general requirements for graduation as outlined by the Graduate School catalogue.

Summary

Code	Title	Hours
Core Curriculum (p. 161)		18
Specialization (p. 161)		12
Non-Thesis Option (p. 161)		6
Total Hours		36

Core Courses (Standard)

Code	Title	Hours
AJ 500	Sem in Admin of Justice	3
AJ 501	Seminar in ADM of JUS Theory	3
AJ 502	Seminar in Research Methods	3
AJ 503	Seminar in Quantitative Meth I	3
AJ 504	Sem RaceClassGenderCrime in AJ	3
AJ 505	Seminar on Ethics in AJ	3
Total Hours		18

Specialization

Code	Title	Hours
Select four of the following:		12
AJ 607	Police Administration	
AJ 608	Crime Lab Administration	
AJ 609	Issues In Corrections Administ	
AJ 610	Issues in Judicial Adm	
AJ 611	Issues in Juvenile Justice Adm	
AJ 612	ADM Law for Justice Agencies	
AJ 613	Eval Research for Jus Agencies	
AJ 614	Issues in Terrorism and AJ	
AJ 615	Seminar on Special Topic In AJ	
AJ 616	Environmental Crime & AJ	
AJ 617	Independent Study	
AJ 701	Capstone Seminar	
AJ 702	Internship	
Total Hours		12

Nonthesis Option

Code	Title	Hours
AJ 701	Capstone Seminar	3
AJ 702	Internship	3
Total Hours		6

Administration of Justice (Thesis Option), Master of Science

Program Description

The purpose of the Master of Science in Administration of Justice (MSAJ) Program is to educate a cadre of justice academicians as change agents prepared to teach, conduct research and assume administrative and policy positions at all levels of government and in the private sector both nationally and globally. The MSAJ Program will prepare

professionals to address traditional and emerging administrative and management issues in criminal justice agencies.

The program is designed to fill the current void in graduate studies in the administration of justice and attract African Americans and other minorities that are underrepresented in graduate administration of justice education. The educational objectives of the MSAJ are:

1. To provide students with a foundation of knowledge that includes the history and theory of the administration of justice.
2. To provide students with knowledge of research methods in administration of justice.
3. To develop students' data analysis skills for administration of justice.
4. To develop students' awareness of race, class, and gender related issues in administration of justice.
5. To sensitize students to ethical issues in administration of justice.
6. To provide students with specialized knowledge about justice agency administration.
7. To provide students with the knowledge necessary for advancement to doctoral studies.
8. To prepare students for teaching at the college level.

Admission Criteria

Students with an interest in pursuing a Master of Science degree in Administration of Justice must meet the admission requirements of the TSU Graduate School. An application for admission to the Graduate School must be completed and is processed through the TSU Graduate School. Completed applications are referred to the School of Public Affairs for an acceptance decision by the Graduate Admissions Committee in the MSAJ program. Decisions of the MSAJ Graduate Admissions Committee are referred to the Dean of the Graduate School.

Students must also submit the following to the Graduate School:

1. An application.
2. A typed 250-300 word statement of their interest in administration of justice, their goals and objectives.
3. Three letters of recommendation.
4. Two copies of official transcripts from undergraduate and graduate institutions attended.
5. Evidence of proficiency in the use of the English language.

Students must have successfully completed an undergraduate course in criminology/criminal justice theory, a course in research methods and a statistics course prior to admission. Students without these courses can be admitted conditionally and are required to complete any prerequisite courses in the School of Public Affairs with at least a grade of "B." Undergraduate preparation in either administration of justice, criminal justice, criminology, public affairs, or the social sciences is preferred but not required.

The Master of Science in Administration of Justice has the following requirements:

1. All students must complete thirty-six (36) credit hours. Students can choose either a thesis or non-thesis option.
2. All students are required to complete six (6) core courses.
3. Students that choose the thesis option also will complete four (4) elective courses, six (6) thesis credits, and a thesis.

- Students that choose the non-thesis option also will complete four (4) elective courses, a capstone seminar in the administration of justice, and an internship that involves research and data analysis.
- All students must prepare a degree plan after the completion of twelve (12) graduate credits. The degree plan is developed by the student and approved by the advisor. The degree plan must be submitted to the Graduate School during the second semester of the first year of graduate studies.
- Students must successfully complete all courses with acceptable grades.
- Students must fulfill the general requirements for graduation as outlined by the Graduate School catalogue.

Summary

Code	Title	Hours
	Core Curriculum (p. 162)	18
	Specialization (p. 162)	12
	Thesis Option (p. 162)	6
Total Hours		36

Core Courses (Standard)

Code	Title	Hours
AJ 500	Sem in Admin of Justice	3
AJ 501	Seminar in ADM of JUS Theory	3
AJ 502	Seminar in Research Methods	3
AJ 503	Seminar in Quantitative Meth I	3
AJ 504	Sem RaceClassGenderCrime in AJ	3
AJ 505	Seminar on Ethics in AJ	3
Total Hours		18

Specialization

Code	Title	Hours
Select four of the following:		12
AJ 607	Police Administration	
AJ 608	Crime Lab Administration	
AJ 609	Issues In Corrections Administ	
AJ 610	Issues in Judicial Adm	
AJ 611	Issues in Juvenile Justice Adm	
AJ 612	ADM Law for Justice Agencies	
AJ 613	Eval Research for Jus Agencies	
AJ 614	Issues in Terrorism and AJ	
AJ 615	Seminar on Special Topic In AJ	
AJ 616	Environmental Crime & AJ	
AJ 617	Independent Study	
AJ 701	Capstone Seminar	
AJ 702	Internship	
Total Hours		12

Thesis Option

Code	Title	Hours
AJ 788	Thesis I	3
AJ 789	Thesis II	3
Total Hours		6

Administration of Justice, Doctor of Philosophy

Program Description

The purpose of the Doctor of Philosophy in Administration of Justice (PhD AJ) is to prepare individuals for:

- leadership and managerial positions in justice agencies;
- faculty positions in higher education that require advanced knowledge of theory, administration, research, and data analysis; and
- research positions in private and public research institutions specializing in the administration of justice issues, policy, and data analysis.

The Doctor of Philosophy in Administration of Justice will educate future leaders needed to assume administrative and policy positions at all levels of government and in the private sector in the State of Texas, nationally and globally.

The educational objectives of the program are:

- To provide students with a comprehensive understanding of the body of knowledge in administration of justice, criminal justice and criminology.
- To provide students with a comprehensive understanding of the theoretical foundation of administration of justice, criminal justice and criminology.
- To provide students with a comprehensive understanding of research and data analysis and their specific application to administration of justice.
- To provide students with a comprehensive understanding of the role of race, class, and gender in the administration of justice.
- To prepare students to assume teaching positions at the university level.
- To prepare students to assume research positions at the university level.
- To prepare students for research positions in government and in the private sector.

Admission Criteria

Students desiring to pursue a doctoral degree in the administration of justice should be capable of advanced academic work in theory, research and data analysis. Students applying for admission to the doctoral program must meet the admission standards of the TSU Graduate School. Applicants must hold the bachelor’s degree in an appropriate field, have a cumulative grade point average of at least 2.75 overall and 3.0 in the last sixty hours of undergraduate studies.

Applicants should have a master’s degree or its equivalent in a degree program from an accredited institution of higher education with a grade point average of at least 3.2 in previous graduate work. Each graduate student who is admitted must present Graduate Record Examination

(GRE) verbal, quantitative, and analytical writing section scores. The analytical writing score must be 3.5 or above. If the student is accepted and does not meet the minimum requirement, he or she must enroll in English 501. International applicants whose first language is not English and who have not completed a degree in the United States are required to take and pass the TOEFL with an internet based score of 74, a computer-based score of 213, or paper-based score of 550.

An application for admission to the doctoral program is submitted at Apply Yourself Online and is processed through the TSU Graduate School. Completed applications are referred to the School of Public Affairs for an acceptance decision by the Graduate Admissions Committee in the PhD AJ program. Decisions of the Graduate Admissions Committee are referred to the Dean of the Graduate School and entered into the Apply Yourself system.

Students must also submit the following to the Graduate School:

1. A complete application form and a non-refundable application fee of \$50 for citizens and permanent residents of the U.S. and \$75 for international applicants.
2. A typed 400-500 word statement of academic and professional goals.
3. Example of academic writing
4. A current vitae.
5. At least three letters of recommendation from persons qualified to give an evaluation of the applicant's past scholastic performance, research, ability for advanced work in administration of justice, and personal motivation.
6. Two official transcripts of credits earned at each college and/or university attended by the applicant.
7. Scores from the Graduate Record Examination.
8. Evidence of proficiency in the use of the English language.

The Graduate Admissions Committee (GAC) comprised of graduate faculty will make decisions on admission. During the admission process the GAC will evaluate graduate transcripts of applicants with master's degrees to determine whether or not additional courses are needed at the master's degree level. No more than twelve (12) credits from previous doctoral work will be applied towards the Ph.D. program. Completion of the doctoral degree is guided by the academic policies, procedures, and requirements of the Texas Southern University (TSU) Graduate School. The current TSU Graduate Student Catalog/Bulletin is available online via the University website.

Requirements include completion of a total of fifty-four (54) credit hours, passing comprehensive examinations, admission to doctoral candidacy, completion of a residency requirement, preparation and acceptance of a dissertation proposal, completion of the dissertation and an oral defense. These requirements are described below.

Courses

The doctoral degree will require the completion of 54 semester hours (See Curriculum Summary below). All students will complete six (6) required core courses and eight (8) elective courses. Students have the option of completing four (4) elective courses in a specific area of administration of justice. Students may also select electives from approved courses offered at the doctoral level by other departments. The elective courses will be selected based upon student interests in consultation with their advisor. Twelve (12) dissertation credits are required. Students may also select a cognate area of specialization

outside of the program with permission of their advisor and the GPD. Students are required to complete all courses with at least a grade of "B." A grade of "B-" or lower is defined as deficient and must be remediated by repeating the course no more than one time to attain the required level of competency. A student who earns more than two deficient grades will be dismissed from the program. This doctoral requirement of "B" or better course grades supersedes the Graduate School standard that may accept lower grades under certain circumstances. Any student who earns a grade of D or F will also be automatically dismissed from the program.

Upon completion of all required course work except AJ 987 Research Colloquium and dissertation hours, students must sit and pass the doctoral comprehensive examination. Students must successfully pass the comprehensive examination before they are admitted to candidacy and allowed to begin work on the dissertation.

Comprehensive Examinations

Doctoral students must successfully complete comprehensive examinations in three areas:

1. Theory and Race, Class, Gender, Crime and the Administration of Justice;
2. Research and Quantitative Methods; and
3. Special Topics.

Students who fail to pass a comprehensive examination or section thereof may retake it only once. Failure to pass two comprehensive examinations will result in dismissal from the doctoral program.

Admission to Candidacy

Students must satisfy all of the requirements listed below in order to be admitted to doctoral candidacy:

1. Unconditional admittance to the Doctor of Philosophy in Administration of Justice program.
2. Satisfactory completion of 42 semester hours of doctoral level course work.
3. Successful completion of the doctoral comprehensive examinations.
4. Satisfactory completion of the residency requirement.

Dissertation

After admission to candidacy the doctoral student will consult with his or her academic advisor to select a dissertation committee. Dissertation committees should consist of a chairperson and three graduate faculty members. The dissertation committee must be approved by the Graduate School. The Graduate School dean will then appoint a graduate school representative to the dissertation committee. Once approval is granted, the student can prepare the dissertation proposal.

The dissertation proposal must be a written document, presented orally, and approved by the dissertation committee. The dissertation must contribute to the administration of justice body of knowledge and be successfully defended orally.

Summary

Code	Title	Hours
	Core Curriculum (p. 164)	18
	Electives (p. 164)	24

Dissertation (p. 163)	12
Total Hours	54

Core Curriculum

Code	Title	Hours
AJ 900	Adv Sem In AJ Orgn & Processes	3
AJ 901	ADV Sem in AJ/Crim Justic	3
AJ 902	Adv Sem in AJ Research Method	3
AJ 903	Sem in Advanced Quant Method I	3
AJ 904	Adv Sem in Race Class Gender	3
AJ 987	Research Colloquium	3
Total Hours		18

Electives

Code	Title	Hours
Select twenty-four (24) credit hours from the following:		24
AJ 905	Sem in Adm Crime Mapping & AJ	
"AJ 906	Advanced Seminar in Homeland Security Admin. and Mgt."	
AJ 907	Adv Sem in Contemporary Issues	
AJ 908	Adv Sem in Priv Security Adm	
AJ 909	Adv Seminar on Terrorism	
AJ 910	Adv Sem in AJ Policy Eval & Pl	
AJ 911	Sem in Adv Topics Race Gender	
AJ 912	Sem in Qualitative Methods	
AJ 913	Sem in Adv Quant Methods II	
AJ 914	Adv Sem in Law & Adm of Justic	
AJ 915	Adv Sem in Apps of GIS in AJ	
AJ 916	Doctoral Sem in Spec Topics	
AJ 917	Independent Study	
Total Hours		24

Prerequisites/Leveling Courses twelve (12)

If needed, leveling courses may include the completion of up to 12 hours in master's level courses with a grade of "B" or better. Each leveling course only can be taken once.

Dissertation

Code	Title	Hours
AJ 988	Dissertation	6
"AJ 989	Dissertation"	6
Total Hours		12

Executive Master of Administration of Justice (Non-Thesis Option), eMAJ

Program Description

The purpose of the Executive Master of Administration of Justice (eMAJ) Program is to provide an online asynchronous program to professionals with at least five (5) years of experience in a justice agency. It provides access to individuals whose options for graduate studies are limited by geographical distance from Texas Southern University or by the timing of

eMAJ course offerings. The educational objectives of the eMAJ Program are:

1. Provide students with a foundation of knowledge that includes the history and theory of administration of justice.
2. Provide students with knowledge of research methods and data analysis in administration of justice.
3. To develop students' awareness of race, class, and gender related issues in administration of justice.
4. Sensitize students to ethical issues in administration of justice.
5. Provide students with specialized knowledge about justice agency administration.
6. Prepare students for management positions in justice and law enforcement agencies.

Admission Criteria

Students with an interest in pursuing a Master of Science degree in Administration of Justice must meet the admission requirements of the TSU Graduate School. An application for admission to the Graduate School is submitted at Apply Yourself Online must be completed and is processed through the TSU Graduate School. Completed applications are referred to the School of Public Affairs for an acceptance decision by the Graduate Admissions Committee in the eMAJ program. Decisions of the eMAJ Graduate Admissions Committee are referred to the Dean of the Graduate School and entered into the Apply Yourself system. Students must also submit the following to the Graduate School:

1. An Application.
2. A typed 250-300 word statement of their interest in administration of justice, their goals and objectives.
3. A recent resume.
4. Three letters of recommendation.
5. Two copies of official transcripts from undergraduate and graduate institutions attended.
6. Evidence of proficiency in the use of the English language.

Undergraduate preparation in either administration of justice, criminal justice, criminology, public affairs, or the social sciences is preferred but not required.

The Executive Master of Administration of Justice has the following requirements:

1. All students must complete thirty-six (36) semester credit hours. Students can choose a thesis or non-thesis option.
2. Students must complete Eighteen (18) semester hours of core courses.
3. Students that choose the thesis option will complete four (4) electives, six (6) semester hours of thesis credits, and a thesis.
4. Students that choose the non-thesis option must complete eighteen (18) semester hours of elective courses that includes AJ 617 Independent Study and AJ 701 Capstone Seminar.

Summary

Code	Title	Hours
	Core Curriculum (p. 165)	18
	Specialization (p. 165)	12

Non Thesis Option (p. 165)	6
Total Hours	36

Core Curriculum

Code	Title	Hours
AJ 500	Sem in Admin of Justice	3
AJ 501	Seminar in ADM of JUS Theory	3
AJ 502	Seminar in Research Methods	3
AJ 503	Seminar in Quantitative Meth I	3
AJ 504	Sem RaceClassGenderCrime in AJ	3
AJ 505	Seminar on Ethics in AJ	3
Total Hours		18

Specialization

Code	Title	Hours
Select four of the following:		12
AJ 607	Police Administration	
AJ 608	Crime Lab Administration	
AJ 609	Issues In Corrections Administ	
AJ 610	Issues in Judicial Adm	
AJ 611	Issues in Juvenile Justice Adm	
AJ 612	ADM Law for Justice Agencies	
AJ 613	Eval Research for Jus Agencies	
AJ 614	Issues in Terrorism and AJ	
AJ 615	Seminar on Special Topic In AJ	
AJ 616	Environmental Crime & AJ	
AJ 617	Independent Study	
Total Hours		12

Non-thesis Option

Code	Title	Hours
AJ 617	Independent Study	3
AJ 701	Capstone Seminar	3
Total Hours		6

Degree Requirements

The eMAJ is a 36 credit degree program with both a thesis and non-thesis option. All students are required to complete six core courses and four elective courses (see Appendix A for course descriptions). Required core courses for the thesis and non-thesis options, and elective courses are presented below. The current TSU Graduate Student Catalog/Bulletin is available online via the University web-site.

Students are required to complete all degree courses with a grade of "B" or better. A grade of "B-" or lower is defined as deficient and must be remediated by repeating the course no more than one time to attain the required level of competency. A student who earns more than two deficient grades will be dismissed from the program. This requirement of "B" or better course grades supersedes the Graduate School standard that may accept lower grades under certain circumstances. Any student who earns a grade of D or F will be automatically dismissed from the program.

Grades

In order to be declared in good academic standing, a student must:

1. maintain at least a 3.00 (B) grade point average (GPA) in all courses taken in the eMAJ graduate program, and
2. maintain an overall GPA of 3.00 for all graduate courses taken at TSU. Grades of B- and below are not acceptable.

This requirement supersedes the TSU Graduate School requirement.

Students who fail to maintain a 3.0 GPA will be placed on *Academic Probation*. The student on probation who achieves a grade point average of 3.0 or better during the next semester or summer session of enrollment but fails to achieve an overall grade point average of 3.00 (B) will remain on probation. If a student on probation fails to raise his/her overall grade point average to 3.00 (B) or better, exclusive of incomplete grades for two consecutive semesters or summer sessions of enrollment in courses other than a thesis/dissertation writing course, he/ she will be placed on *Academic Suspension* through the next semester (in this case, excluding summer terms). A student who fails to achieve a 3.00 overall GPA in the next semester of enrollment following academic suspension will be disqualified as a degree-seeking student and will be dismissed from the eMAJ program. This requirement supersedes the TSU Graduate School requirement.

Executive Master of Administration of Justice (Thesis Option), eMAJ

Program Description

The purpose of the Executive Master of Administration of Justice (eMAJ) Program is to provide an online asynchronous program to professionals with at least five (5) years of experience in a justice agency. It provides access to individuals whose options for graduate studies are limited by geographical distance from Texas Southern University or by the timing of eMAJ course offerings. The educational objectives of the eMAJ Program are:

1. Provide students with a foundation of knowledge that includes the history and theory of administration of justice.
2. Provide students with knowledge of research methods and data analysis in administration of justice.
3. To develop students' awareness of race, class, and gender related issues in administration of justice.
4. Sensitize students to ethical issues in administration of justice.
5. Provide students with specialized knowledge about justice agency administration.
6. Prepare students for management positions in justice and law enforcement agencies.

Admission Criteria

Students with an interest in pursuing a Master of Science degree in Administration of Justice must meet the admission requirements of the TSU Graduate School. An application for admission to the Graduate School is submitted at Apply Yourself Online must be completed and is processed through the TSU Graduate School. Completed applications are referred to the School of Public Affairs for an acceptance decision by the Graduate Admissions Committee in the eMAJ program. Decisions of the eMAJ Graduate Admissions Committee are referred to the Dean of the

Graduate School and entered into the Apply Yourself system. Students must also submit the following to the Graduate School:

- 1. An Application.
- 2. A typed 250-300 word statement of their interest in administration of justice, their goals and objectives.
- 3. A recent resume.
- 4. Three letters of recommendation.
- 5. Two copies of official transcripts from undergraduate and graduate institutions attended.
- 6. Evidence of proficiency in the use of the English language.

Undergraduate preparation in either administration of justice, criminal justice, criminology, public affairs, or the social sciences is preferred but not required.

The Executive Master of Administration of Justice has the following requirements:

- 1. All students must complete thirty-six (36) semester credit hours. Students can choose a thesis or non-thesis option.
- 2. Students must complete Eighteen (18) semester hours of core courses.
- 3. Students that choose the thesis option will complete four (4) electives, six (6) semester hours of thesis credits, and a thesis.
- 4. Students that choose the non-thesis option must complete eighteen (18) semester hours of elective courses that includes AJ 617 Independent Study and AJ 701 Capstone Seminar.

Summary

Code	Title	Hours
	Core Curriculum (p. 166)	18
	Specialization (p. 166)	12
	Thesis Option (p. 166)	6
Total Hours		36

Core Curriculum

Code	Title	Hours
AJ 500	Sem in Admin of Justice	3
AJ 501	Seminar in ADM of JUS Theory	3
AJ 502	Seminar in Research Methods	3
AJ 503	Seminar in Quantitative Meth I	3
AJ 504	Sem RaceClassGenderCrime in AJ	3
AJ 505	Seminar on Ethics in AJ	3
Total Hours		18

Specialization

Code	Title	Hours
Select four of the following:		12
AJ 607	Police Administration	
AJ 608	Crime Lab Administration	
AJ 609	Issues In Corrections Administ	
AJ 610	Issues in Judicial Adm	
AJ 611	Issues in Juvenile Justice Adm	
AJ 612	ADM Law for Justice Agencies	
AJ 613	Eval Research for Jus Agencies	

AJ 614	Issues in Terrorism and AJ	
AJ 615	Seminar on Special Topic In AJ	
AJ 616	Environmental Crime & AJ	
AJ 617	Independent Study	
Total Hours		12

Thesis Option

Code	Title	Hours
AJ 788	Thesis I	3
AJ 789	Thesis II	3
Total Hours		6

Degree Requirements

The eMAJ is a 36 credit degree program with both a thesis and non-thesis option. All students are required to complete six core courses and four elective courses (see Appendix A for course descriptions). Required core courses for the thesis and non-thesis options, and elective courses are presented below. The current TSU Graduate Student Catalog/Bulletin is available online via the University web-site.

Students are required to complete all degree courses with a grade of “B” or better. A grade of “B-” or lower is defined as deficient and must be remediated by repeating the course no more than one time to attain the required level of competency. A student who earns more than two deficient grades will be dismissed from the program. This requirement of “B” or better course grades supersedes the Graduate School standard that may accept lower grades under certain circumstances. Any student who earns a grade of D or F will be automatically dismissed from the program

Grades

- In order to be declared in good academic standing, a student must:
- 1. maintain at least a 3.00 (B) grade point average (GPA) in all courses taken in the eMAJ graduate program, and
 - 2. maintain an overall GPA of 3.00 for all graduate courses taken at TSU. Grades of B- and below are not acceptable.

This requirement supersedes the TSU Graduate School requirement.

Students who fail to maintain a 3.0 GPA will be placed on *Academic Probation*. The student on probation who achieves a grade point average of 3.0 or better during the next semester or summer session of enrollment but fails to achieve an overall grade point average of 3.00 (B) will remain on probation. If a student on probation fails to raise his/her overall grade point average to 3.00 (B) or better, exclusive of incomplete grades for two consecutive semesters or summer sessions of enrollment in courses other than a thesis/dissertation writing course, he/ she will be placed on *Academic Suspension* through the next semester (in this case, excluding summer terms). A student who fails to achieve a 3.00 overall GPA in the next semester of enrollment following academic suspension will be disqualified as a degree-seeking student and will be dismissed from the eMAJ program. This requirement supersedes the TSU Graduate School requirement.

Department of Public Affairs

- Executive Master of Public Administration (p. 169)
- Master of Public Administration (Health Administration Concentration) (p. 171)
- Master of Public Administration (Human Resources Concentration) (p. 170)
- Master of Public Administration (Public Policy Concentration) (p. 172)
- Master of Public Administration (Urban Planning and Environmental Policy Concentration) (p. 174)
- Master of Public Administration/Juris Doctor Dual Degree (p. 175)
- Public Affairs, Bachelor of Science and Executive Master Public Administration, EMPA 4+1 Dual Degree (p. 177)
- Public Affairs, Bachelor of Science and Master of Public Administration 4+1 Dual Degree (p. 176)

PAD 500 Theory & Practice (3 Credits)

Lecture: 3, **Lab:** 0

General survey of the field of public sector management and administration. Addresses administrative theory, policy, decisionmaking, and the concepts and practices of organizational management.

College/School: The School of Public Affairs

Department: 2338

PAD 501 Leadership & Decision Making (3 Credits)

Lecture: 3, **Lab:** 0

The techniques of decision analysis and methodology for making decisions. Focus on risk and uncertainty in the choice among policy alternatives.

College/School: The School of Public Affairs

Department: 2338

PAD 502 Research Meth In Pub Adm (3 Credits)

Lecture: 3, **Lab:** 0

Concepts and methods employed in administrative research and analysis with emphasis on methodological assumptions; problems and issues in research design.

College/School: The School of Public Affairs

Department: 2338

PAD 503 Quantitative Methods I (3 Credits)

Lecture: 3, **Lab:** 0

Modeling course introducing classical deterministic optimization models. Topics include linear programming, probabilistic, and statistical models.

College/School: The School of Public Affairs

Department: 2338

PAD 504 Quantitative Methods II (3 Credits)

Lecture: 3, **Lab:** 0

An applied course in regression analysis, hypothesis testing, estimation, and time series analysis. Strong emphasis will be placed on forecasting techniques. Uses mini-taps, SAS, and SPSS. (Prerequisite PAD 503)

Prerequisite(s): (PAD 503)

College/School: The School of Public Affairs

Department: Dept of Political Sci & Pub Af

PAD 506 Program Evaluation (3 Credits)

Lecture: 3, **Lab:** 0

Analysis of alternative designs for evaluating the performance of programs. Emphasis on designing an evaluation study through application principles and problems encountered in evaluation research. (Prerequisites PAD 502, 503)

College/School: The School of Public Affairs

Department: Dept of Political Sci & Pub Af

PAD 507 Organization Behavior & Theory (3 Credits)

Lecture: 3, **Lab:** 0

An exploration of the various relationships between organization and management in both the public and private spheres. Utilization of live-case method.

College/School: The School of Public Affairs

Department: 2338

PAD 508 Administrative Regulations (3 Credits)

Lecture: 3, **Lab:** 0

Administrative Regulations (3) hrs. Focus on the statutory, regulatory, and adjudicative functions of public agencies and the legal context. Reviews interpretation of administrative orders, rules, regulations, contracts and documents.

College/School: The School of Public Affairs

Department: Dept of Political Sci & Pub Af

PAD 509 Computer Appls in Public Admin (3 Credits)

Lecture: 3

Focuses on current practices for data gathering and analysis with the use of computers.

College/School: The School of Public Affairs

Department: Dept of Political Sci & Pub Af

PAD 620 The Policy Making Process (3 Credits)

Lecture: 3, **Lab:** 0

An examination of the process by which policy is formulated and implemented, emphasis on relationships between the political process and policy outcomes in illustrative policy areas.

College/School: The School of Public Affairs

Department: 2338

PAD 621 Soc Res & Soc Policy (3 Credits)

Lecture: 3, **Lab:** 0

Implications of social science research for social policy. Experimental and research designs useful for deciding which program features to examine systematically.

College/School: The School of Public Affairs

Department: 2338

PAD 622 Science, Tech & Pub Policy (3 Credits)

Lecture: 3, **Lab:** 0

An examination of the impact of science and technology upon governmental policy in the United States.

College/School: The School of Public Affairs

Department: 2338

PAD 623 Pub Policy Anal Mthds (3 Credits)

Lecture: 3, **Lab:** 0

Application of theories and techniques of policy analysis to current public problems. Focus on design and execution of policy research.

College/School: The School of Public Affairs

Department: Dept of Political Sci & Pub Af

PAD 624 Issues on Aging (3 Credits)**Lecture:** 3, **Lab:** 0

Addresses range of issues, including employment, health care, housing, income security, and social services. Also addresses social security and Medicare programs.

College/School: The School of Public Affairs**Department:** Dept of Political Sci & Pub Af**PAD 630 Pub Fin Mgmt (3 Credits)****Lecture:** 3, **Lab:** 0

An introduction to capital budgeting, financial decision-making and valuation. Discussion of financing problems and sources associated with public projects.

College/School: The School of Public Affairs**Department:** Dept of Political Sci & Pub Af**PAD 631 Gov Budgeting & Financial Mgmt (3 Credits)****Lecture:** 3, **Lab:** 0

The design and use of planning, budgeting, and other information systems in the control and evaluation of programs. Multi project valuation techniques will be emphasized.

College/School: The School of Public Affairs**Department:** 2338**PAD 633 Man Fin Anal Methods (3 Credits)****Lecture:** 3, **Lab:** 0

Decision making models involving the major components of financial management. Emphasis is placed upon the application of analytical methods to portfolio management.

Prerequisite(s): (PAD 630)**College/School:** The School of Public Affairs**Department:** Dept of Political Sci & Pub Af**PAD 634 Gov Budgeting & Financial Mgmt (3 Credits)****Lecture:** 3, **Lab:** 0**College/School:** The School of Public Affairs**Department:** Dept of Political Sci & Pub Af**PAD 640 Pub Pers Admin Th & Pract (3 Credits)****Lecture:** 3, **Lab:** 0

Fundamentals in personnel employment and placement, staff and evaluation, wage and salary administration, employment benefits and services, and labor relations.

College/School: The School of Public Affairs**Department:** 2338**PAD 641 Human Res & Org Pln (3 Credits)****Lecture:** 3, **Lab:** 0

Involves critical analysis related to personnel and organizational structure and function. Emphasizes research, planning, staffing and budget preparation.

Prerequisite(s): (PAD 640)**College/School:** The School of Public Affairs**Department:** Dept of Political Sci & Pub Af**PAD 642 Labor Rel Coll Barg (3 Credits)****Lecture:** 3, **Lab:** 0

The rise of labor unions in the public sector. Reviews the collective bargaining process and the legal framework of collective bargaining.

College/School: The School of Public Affairs**Department:** 2338**PAD 643 Human & Employee Benefits (3 Credits)****Lecture:** 3

Provides a comprehensive introduction to employee benefits in relations to Human Resources in government and compares public and private sector benefits.

College/School: The School of Public Affairs**Department:** Dept of Political Sci & Pub Af**PAD 644 Special Topics in Human Res (3 Credits)****Lecture:** 3**College/School:** The School of Public Affairs**Department:** Dept of Political Sci & Pub Af**PAD 650 Intergovernmental Relations (3 Credits)****Lecture:** 3, **Lab:** 0

Examines relationships and cooperative functions in federal, state, and local governmental units. Emphasis on the urban administrator's role in changing patterns of cooperation and coordination.

College/School: The School of Public Affairs**Department:** 2338**PAD 651 Urban Admin Systems (3 Credits)****Lecture:** 3, **Lab:** 0

An overview of the position of cities in the American governmental system, highlighting relationships between administrative, political, social, and economic features of urban life.

College/School: The School of Public Affairs**Department:** Dept of Political Sci & Pub Af**PAD 652 Human Services Admin (3 Credits)****Lecture:** 3, **Lab:** 0

A focus on the various approaches to planning, delivery and administration of human services through public, private, and nonprofit organizations.

College/School: The School of Public Affairs**Department:** Dept of Political Sci & Pub Af**PAD 660 Com Pub Admin West Nations (3 Credits)****Lecture:** 3, **Lab:** 0

Theories of development, roles of international institutions in resource exchanges, foreign investment and trade, and development of modernization.

College/School: The School of Public Affairs**Department:** 2338**PAD 661 Sel Topics in Comp Intern Dev (3 Credits)****Lecture:** 3, **Lab:** 0

Selected topics emphasizing issues with respect to comparing roles of international institutions.

College/School: The School of Public Affairs**Department:** Dept of Political Sci & Pub Af**PAD 662 Comp Pub Admin Dev Nations (3 Credits)****Lecture:** 3, **Lab:** 0

Looks at the role of the administrative process of political development. An emphasis upon bureaucracy and political change in emerging nations.

College/School: The School of Public Affairs**Department:** Dept of Political Sci & Pub Af**PAD 663 Sem on Dev Societies (3 Credits)****Lecture:** 3, **Lab:** 0

Analysis of traditional and transitional societies; theories and practices of developmental change; role bureaucracy in development, institutional buildings, public enterprises, technology assessment and transfer.

College/School: The School of Public Affairs**Department:** Dept of Political Sci & Pub Af

PAD 700 Internship (3 Credits)**Lecture:** 0, **Lab:** 15

A supervised program in regularly scheduled work and independent research in a public or governmental agency under the direction of an agency supervisor, and internship coordinator. Students who have had three or more years of experience in the public sector, or who are currently in the public sector, may be permitted to substitute six (6) credit hours of course work for the internship requirement. (Prerequisite 24 credit hours)

College/School: The School of Public Affairs**Department:** Dept of Political Sci & Pub Af**PAD 701 Independent Study (3 Credits)****Lecture:** 3

Independent study is a course conducted by graduate students under direct supervision of individual faculty members or the Program Director. Students' work is evaluated based on reports, papers, and exams. The independent study course provides an opportunity for students to "design your own course."

College/School: The School of Public Affairs**Department:** 2338**PAD 705 Topical Seminar (3 Credits)****Lecture:** 3, **Lab:** 0

Selected topics emphasizing contemporary issues in the public sector and public policy. Elective courses may be taken in business administration, urban planning and environmental policy, law, transportation management or any approved area related to public administration.

College/School: The School of Public Affairs**Department:** 2338**PAD 708 Administrative Regulations (3 Credits)****Lecture:** 3

Focus on the statutory, regulatory, and adjudicative functions of public agencies and the legal context. Reviews interpretation of administrative orders, rules, regulations, contracts and documents.

College/School: The School of Public Affairs**Department:** Dept of Political Sci & Pub Af**PAD 710 Capstone (3 Credits)****Lecture:** 3

Practical experience and research (independent and group) that bridges academic and professional experience, to include presentations, field experience, and an applied policy or research project.

College/School: The School of Public Affairs**Department:** 2338

Executive Master of Public Administration

Program Description

The Executive MPA Program (EMPA) is a curriculum uniquely designed to meet the growing demand for mid-career professionals in the public sector who wish to pursue an EMPA degree. The program is conveniently offered online and provides a focus on public policy. The EMPA program combines the advanced skill concepts of an executive master of public administration program and prepares administrators to lead and manage organizations in the area of public service. Upon completion of the EMPA program, graduates will:

1. Demonstrate a balance inventory of conceptual, quantitative and professional skills.

2. Demonstrate the ability to utilize information technology and systems for effective decision-making and communications.
3. Demonstrate the ability to utilize problem solving strategies and analytical competencies relevant to management positions.
4. Demonstrate a greater appreciation for workplace diversity, ethical issues facing the public sector today, and the challenges of the global institutions.

Teaching Methods

The program is delivered online and is administered through the Blackboard Academic Suites and Course Compass e-learning software. These platforms include live chats, online lectures, virtual classrooms, and teleconferencing capabilities.

Program Structure

The basic requirements for the EMPA degree are as follows: EMPA students must complete 36 credit hours for the Master of Public Administration degree, usually over a 16-month period of full-time study. The EMPA degree is separate and distinct from the regular Master of Public Administration degree.

Admission Criteria

The EMPA program seeks highly motivated, high-achieving students who have already demonstrated proof of working in the public sector. Prospective students must first apply for admission through the Graduate School, where they choose the EMPA program. Applicants are then referred to the Barbara Jordan-Mickey Leland School of Public Affairs for acceptance.

Applicants for admission to graduate standing in the Executive Master of Public Administration program must submit:

1. Evidence of a baccalaureate degree from an accredited institution;
2. An official transcript of all undergraduate course work;
3. At least three (3) years of significant experience in the area of management or supervision;
4. A statement of purpose;
5. Two letters of recommendation; and
6. A current professional résumé.

Degree Requirements

The requirements for the Executive Master of Public Administration are summarized below:

1. Completion of thirty-six (36) credit hours. The courses are offered in a lock-step sequence called cohorts. All classes in the lock-step sequence must be successfully mastered by each EMPA student.
2. At the commencement of the EMPA program, each student will prepare a degree plan in consultation with his or her advisor.
3. Enrollment and satisfactory performance in course PAD 710 Capstone.
4. Fulfillment of general requirements for graduation as outlined by The Graduate School.

eMPA Course Requirements Curriculum Summary

Code	Title	Hours
PAD 500	Theory & Practice	3
PAD 501	Leadership & Decision Making	3
PAD 502	Research Meth In Pub Adm	3
PAD 503	Quantitative Methods I	3
PAD 507	Organization Behavior & Theory	3
PAD 620	The Policy Making Process	3
PAD 622	Science, Tech & Pub Policy	3
PAD 631	Gov Budgeting & Financial Mgmt	3
PAD 650	Intergovernmental Relations	3
PAD 660	Com Pub Admin West Nations	3
PAD 705	Topical Seminar	3
PAD 710	Capstone	3
Total Hours		36

Master of Public Administration (Human Resources Concentration)

Program Description

The Master of Public Administration (MPA) is a 36-semester credit hour program accredited by the Network of Schools of Public Policy, Affairs, and Administration (NASPAA). The MPA Program's mission is to educate students about public administration's history, competencies, and quantitative skills needed by public administrators to become skilled and productive public and nonprofit employees. To this end, the MPA Program uses its curriculum to prepare students to compete nationally and internationally for professional careers in the public sector or for graduate study where the nature of the profession requires the master's degree as the entry criterion.

The program is designed to prepare professionals to resolve the increasingly complex problems of managing urban growth. It is intended to respond to the increasing importance of planning and management as major instruments in improving and developing solutions to problems of cities and metropolitan regions. The Program seeks to give students a balanced inventory of conceptual, quantitative, and professional skills.

To this end, the Program's curricular philosophy is to:

1. Educate students on analytical approaches to decision-making in the managerial sciences.
2. Provide students with problem solving skills and analytical competencies that are relevant to management positions.
3. Emphasize knowledge of the workings of governmental and non-governmental organizations.
4. Develop the student's ability to make use of academic research.
5. Provide a foundation in computer and information technology.
6. Sharpen writing and oral communication skills.
7. Emphasize knowledge of basic management processes and techniques.

Admission Criteria

The Department seeks highly motivated, high-achieving oriented students who have a strong interest in pursuing a public service career.

Prospective students must first apply for admission to the Graduate School. Applicants are then referred to the Barbara Jordan-Mickey Leland School of Public Affairs for acceptance.

In addition to meeting the general requirements for admission to the Graduate School applicants for admission to graduate standing in the MPA Program must submit:

1. The Texas Southern University Graduate School Application and a non-refundable application fee;
2. A typed essay, 250-300 words, which states career objectives and gives reasons for desiring admission to the program;
3. Three (3) letters of recommendation from individuals qualified to give an evaluation of the applicants past scholastic performance, research, ability for advanced work in public administration (if any), and person motivation;
4. Two (2) copies of official transcripts from each college and graduate institution attended. Applicant's undergraduate cumulative GPA must be at least 2.70 or 3.0 in the final 60 hours; and
5. The MPA program uses Public Administration: Theory and Practice (PAD 500) as a measure of English proficiency. This requires students to earn a grade of B or better in PAD 500. Students that do not earn a grade of B or better, need to take English 501 - Graduate Professional Writing.

Degree Requirements

The requirements for the Master of Public Administration are summarized below:

1. Completion of thirty-six (36) credit hours. Of the 36 credit hours, twenty-one (21) credit hours are required core courses. In addition to the core requirements, students are required to take nine (9) hours in specialization courses, internship for six (6) credit hours and the Capstone seminar course for three (3) credit hours. The remaining three (3) credit hours may be satisfied by electives.
2. At the beginning of the first semester, each student will prepare a degree plan in consultation with his or her advisor. This plan of study should be drawn up and submitted for approval to the Graduate School no later than the second semester in residence.
3. Satisfactory performance in PAD 710 Capstone **Seminar** course. A student is eligible to take the course if the student has:
 - a. Earned a 3.0 or above graduate GPA for each course or cumulative GPA in public administration courses and a cumulative GPA of 3.0;
 - b. Completed all core course requirements;
 - c. No outstanding incompletes; and
 - d. Filed a degree plan.
4. Fulfillment of general requirements for graduation as outlined by the Graduate School.

MPA Course Requirements Curriculum Summary

Code	Title	Hours
	Core Curriculum (p. 171)	21
	Human Resources (p. 171)	9
	Electives (p. 171)	3

Other Courses (p. 171)	3
Total Hours	36

Core Curriculum

Code	Title	Hours
PAD 500	Theory & Practice	3
PAD 502	Research Meth In Pub Adm	3
PAD 503	Quantitative Methods I	3
PAD 507	Organization Behavior & Theory	3
PAD 631	Gov Budgeting & Financial Mgmt	3
PAD 640	Pub Pers Admin Th & Pract	3
PAD 710	Capstone	3
Total Hours		21

Human Resources

Code	Title	Hours
Select nine (9) credits from the following:		9
PAD 641	Human Res & Org Pln	
PAD 642	Labor Rel Coll Barg	
PAD 643	Human & Employee Benefits	
PAD 705	Topical Seminar	
Choice of Elective		
Total Hours		9

Elective Courses

Code	Title	Hours
Select one of the following:		3
PAD 501	Leadership & Decision Making	
PAD 506	Program Evaluation	
PAD 630	Pub Fin Mgmt	
PAD 633	Man Fin Anal Methods	
PAD 650	Intergovernmental Relations	
PAD 651	Urban Admin Systems	
PAD 652	Human Services Admin	
PAD 701	Independent Study	
PAD 708	Administrative Regulations	
Total Hours		3

Electives offered by other schools/colleges may be taken upon approval by faculty advisor and program coordinator.

Other Requirements

Code	Title	Hours
PAD 700	Internship	3
Total Hours		3

Master of Public Administration (Health Administration Concentration)

Program Description

The Master of Public Administration (MPA) is a 36-semester credit hour program accredited by the Network of Schools of Public Policy, Affairs, and Administration (NASPAA). The MPA Program's mission is to educate students about public administration's history, competencies, and quantitative skills needed by public administrators to become skilled and productive public and nonprofit employees. To this end, the MPA Program uses its curriculum to prepare students to compete nationally and internationally for professional careers in the public sector or for graduate study where the nature of the profession requires the master's degree as the entry criterion.

The program is designed to prepare professionals to resolve the increasingly complex problems of managing urban growth. It is intended to respond to the increasing importance of planning and management as major instruments in improving and developing solutions to problems of cities and metropolitan regions. The Program seeks to give students a balanced inventory of conceptual, quantitative, and professional skills.

To this end, the Program's curricular philosophy is to:

1. Educate students on analytical approaches to decision-making in the managerial sciences.
2. Provide students with problem solving skills and analytical competencies that are relevant to management positions.
3. Emphasize knowledge of the workings of governmental and non-governmental organizations.
4. Develop the student's ability to make use of academic research.
5. Provide a foundation in computer and information technology.
6. Sharpen writing and oral communication skills.
7. Emphasize knowledge of basic management processes and techniques.

Admission Criteria

The Department seeks highly motivated, high-achieving oriented students who have a strong interest in pursuing a public service career. Prospective students must first apply for admission to the Graduate School. Applicants are then referred to the Barbara Jordan-Mickey Leland School of Public Affairs for acceptance.

In addition to meeting the general requirements for admission to the Graduate School applicants for admission to graduate standing in the MPA Program must submit:

1. The Texas Southern University Graduate School Application and a non-refundable application fee;
2. A typed essay, 250-300 words, which states career objectives and gives reasons for desiring admission to the program;
3. Three (3) letters of recommendation from individuals qualified to give an evaluation of the applicants past scholastic performance, research, ability for advanced work in public administration (if any), and person motivation;

- 4. Two (2) copies of official transcripts from each college and graduate institution attended. Applicant's undergraduate cumulative GPA must be at least 2.70 or 3.0 in the final 60 hours; and
- 5. The MPA program uses Public Administration: Theory and Practice (PAD 500) as a measure of English proficiency. This requires students to earn a grade of B or better in PAD 500. Students that do not earn a grade of B or better, need to take English 501 - Graduate Professional Writing.

Degree Requirements

The requirements for the Master of Public Administration are summarized below:

- 1. Completion of forty-eight (48) credit hours. Of the 48 credit hours, twenty-four (24) credit hours are required core courses. In addition to the core requirements, students are required to take twelve (12) hours in specialization courses, internship for six (6) credit hours and the Capstone seminar course for three (3) credit hours. The remaining three (3) credit hours may be satisfied by electives.
- 2. At the beginning of the first semester, each student will prepare a degree plan in consultation with his or her advisor. This plan of study should be drawn up and submitted for approval to the Graduate School no later than the second semester in residence.
- 3. Satisfactory performance in PAD 710 Capstone **Seminar** course. A student is eligible to take the course if the student has:
 - a. Earned a 3.0 or above graduate GPA for each course or cumulative GPA in public administration courses and a cumulative GPA of 3.0;
 - b. Completed all core course requirements;
 - c. No outstanding incompletes; and
 - d. Filed a degree plan.
- 4. Fulfillment of general requirements for graduation as outlined by the Graduate School.

MPA Course Requirements Curriculum Summary

Code	Title	Hours
Core Curriculum (p. 172)		21
International Development (p. 172)		9
Electives (p. 172)		3
Other Courses (p. 172)		3
Total Hours		36

Core Curriculum

Code	Title	Hours
PAD 500	Theory & Practice	3
PAD 502	Research Meth In Pub Adm	3
PAD 503	Quantitative Methods I	3
PAD 507	Organization Behavior & Theory	3
PAD 631	Gov Budgeting & Financial Mgmt	3
PAD 640	Pub Pers Admin Th & Pract	3
PAD 710	Capstone	3
Total Hours		21

Health Administration

Code	Title	Hours
Select 9 hours from the following courses:		9
HSOA 512	Intro to Hlth Care Org	
HSOA 517	Health Care Economics	
HSOA 612	Health Care Law & Bioethics	
HSOA 663	Epidemiology Health Care Administration	
Total Hours		9

Elective Courses

Code	Title	Hours
Select one of the following:		3
PAD 501	Leadership & Decision Making	
PAD 506	Program Evaluation	
PAD 630	Pub Fin Mgmt	
PAD 633	Man Fin Anal Methods	
PAD 650	Intergovernmental Relations	
PAD 651	Urban Admin Systems	
PAD 652	Human Services Admin	
PAD 701	Independent Study	
PAD 708	Administrative Regulations	
Total Hours		3

Electives offered by other schools/colleges may be taken upon approval by faculty advisor and program coordinator.

Other Requirements

Code	Title	Hours
PAD 700	Internship	3
Total Hours		3

Master of Public Administration (Public Policy Concentration)

Program Description

The Master of Public Administration (MPA) is a 36-semester credit hour program accredited by the Network of Schools of Public Policy, Affairs, and Administration (NASPAA). The MPA Program's mission is to educate students about public administration's history, competencies, and quantitative skills needed by public administrators to become skilled and productive public and nonprofit employees. To this end, the MPA Program uses its curriculum to prepare students to compete nationally and internationally for professional careers in the public sector or for graduate study where the nature of the profession requires the master's degree as the entry criterion.

The program is designed to prepare professionals to resolve the increasingly complex problems of managing urban growth. It is intended to respond to the increasing importance of planning and management as major instruments in improving and developing solutions to problems of cities and metropolitan regions. The Program seeks to give students a balanced inventory of conceptual, quantitative, and professional skills.

To this end, the Program's curricular philosophy is to:

1. Educate students on analytical approaches to decision-making in the managerial sciences.
2. Provide students with problem solving skills and analytical competencies that are relevant to management positions.
3. Emphasize knowledge of the workings of governmental and non-governmental organizations.
4. Develop the student's ability to make use of academic research.
5. Provide a foundation in computer and information technology.
6. Sharpen writing and oral communication skills.
7. Emphasize knowledge of basic management processes and techniques.

Admission Criteria

The Department seeks highly motivated, high-achieving oriented students who have a strong interest in pursuing a public service career. Prospective students must first apply for admission to the Graduate School. Applicants are then referred to the Barbara Jordan-Mickey Leland School of Public Affairs for acceptance.

In addition to meeting the general requirements for admission to the Graduate School applicants for admission to graduate standing in the MPA Program must submit:

1. The Texas Southern University Graduate School Application and a non-refundable application fee;
2. A typed essay, 250-300 words, which states career objectives and gives reasons for desiring admission to the program;
3. Three (3) letters of recommendation from individuals qualified to give an evaluation of the applicants past scholastic performance, research, ability for advanced work in public administration (if any), and person motivation;
4. Two (2) copies of official transcripts from each college and graduate institution attended. Applicant's undergraduate cumulative GPA must be at least 2.70 or 3.0 in the final 60 hours; and
5. The MPA program uses Public Administration: Theory and Practice (PAD 500) as a measure of English proficiency. This requires students to earn a grade of B or better in PAD 500. Students that do not earn a grade of B or better, need to take English 501 - Graduate Professional Writing.

Degree Requirements

The requirements for the Master of Public Administration are summarized below:

1. Completion of thirty-six (36) credit hours. Of the 36 credit hours, twenty-one (21) credit hours are required core courses. In addition to the core requirements, students are required to take nine (9) hours in specialization courses, internship for six (6) credit hours and the Capstone seminar course for three (3) credit hours. The remaining three (3) credit hours may be satisfied by electives.
2. At the beginning of the first semester, each student will prepare a degree plan in consultation with his or her advisor. This plan of study should be drawn up and submitted for approval to the Graduate School no later than the second semester in residence.
3. Satisfactory performance in PAD 710 Capstone **Seminar** course. A student is eligible to take the course if the student has:
 - a. Earned a 3.0 or above graduate GPA for each course or cumulative GPA in public administration courses and a cumulative GPA of 3.0;

- b. Completed all core course requirements;
 - c. No outstanding incompletes; and
 - d. Filed a degree plan.
4. Fulfillment of general requirements for graduation as outlined by the Graduate School.

MPA Course Requirements Curriculum Summary

Code	Title	Hours
Core Curriculum (p. 173)		21
Public Policy (p. 173)		9
Electives (p. 173)		3
Other Courses (p. 174)		3
Total Hours		36

Core Curriculum

Code	Title	Hours
PAD 500	Theory & Practice	3
PAD 502	Research Meth In Pub Adm	3
PAD 503	Quantitative Methods I	3
PAD 507	Organization Behavior & Theory	3
PAD 631	Gov Budgeting & Financial Mgmt	3
PAD 640	Pub Pers Admin Th & Pract	3
PAD 710	Capstone	3
Total Hours		21

MPA Specialization Courses

Choose one of the following specialization options below:

Public Policy

Code	Title	Hours
Select nine (9) credit hours from the following:		9
PAD 620	The Policy Making Process	
PAD 621	Soc Res & Soc Policy	
PAD 622	Science, Tech & Pub Policy	
PAD 623	Pub Policy Anal Mthds	
PAD 624	Issues on Aging	
Total Hours		9

Elective Courses

Code	Title	Hours
Select one of the following:		3
PAD 501	Leadership & Decision Making	
PAD 506	Program Evaluation	
PAD 630	Pub Fin Mgmt	
PAD 633	Man Fin Anal Methods	
PAD 650	Intergovernmental Relations	
PAD 651	Urban Admin Systems	
PAD 652	Human Services Admin	
PAD 701	Independent Study	

PAD 708	Administrative Regulations	
Total Hours		3

Electives offered by other schools/colleges may be taken upon approval by faculty advisor and program coordinator.

Other Requirements

Code	Title	Hours
PAD 700	Internship	3
Total Hours		3

Master of Public Administration (Urban Planning and Environmental Policy Concentration)

Program Description

The Master of Public Administration (MPA) is a 36-semester credit hour program accredited by the Network of Schools of Public Policy, Affairs, and Administration (NASPAA). The MPA Program's mission is to educate students about public administration's history, competencies, and quantitative skills needed by public administrators to become skilled and productive public and nonprofit employees. To this end, the MPA Program uses its curriculum to prepare students to compete nationally and internationally for professional careers in the public sector or for graduate study where the nature of the profession requires the master's degree as the entry criterion.

The program is designed to prepare professionals to resolve the increasingly complex problems of managing urban growth. It is intended to respond to the increasing importance of planning and management as major instruments in improving and developing solutions to problems of cities and metropolitan regions. The Program seeks to give students a balanced inventory of conceptual, quantitative, and professional skills.

To this end, the Program's curricular philosophy is to:

1. Educate students on analytical approaches to decision-making in the managerial sciences.
2. Provide students with problem solving skills and analytical competencies that are relevant to management positions.
3. Emphasize knowledge of the workings of governmental and non-governmental organizations.
4. Develop the student's ability to make use of academic research.
5. Provide a foundation in computer and information technology.
6. Sharpen writing and oral communication skills.
7. Emphasize knowledge of basic management processes and techniques.

Admission Criteria

The Department seeks highly motivated, high-achieving oriented students who have a strong interest in pursuing a public service career. Prospective students must first apply for admission to the Graduate School. Applicants are then referred to the Barbara Jordan-Mickey Leland School of Public Affairs for acceptance.

In addition to meeting the general requirements for admission to the Graduate School applicants for admission to graduate standing in the MPA Program must submit:

1. The Texas Southern University Graduate School Application and a non-refundable application fee;
2. A typed essay, 250-300 words, which states career objectives and gives reasons for desiring admission to the program;
3. Three (3) letters of recommendation from individuals qualified to give an evaluation of the applicants past scholastic performance, research, ability for advanced work in public administration (if any), and person motivation;
4. Two (2) copies of official transcripts from each college and graduate institution attended. Applicant's undergraduate cumulative GPA must be at least 2.70 or 3.0 in the final 60 hours; and
5. The MPA program uses Public Administration: Theory and Practice (PAD 500) as a measure of English proficiency. This requires students to earn a grade of B or better in PAD 500. Students that do not earn a grade of B or better, need to take English 501 - Graduate Professional Writing.

Degree Requirements

The requirements for the Master of Public Administration are summarized below:

1. Completion of forty-eight (48) credit hours. Of the 48 credit hours, twenty-four (24) credit hours are required core courses. In addition to the core requirements, students are required to take twelve (12) hours in specialization courses, internship for six (6) credit hours and the Capstone seminar course for three (3) credit hours. The remaining three (3) credit hours may be satisfied by electives.
2. At the beginning of the first semester, each student will prepare a degree plan in consultation with his or her advisor. This plan of study should be drawn up and submitted for approval to the Graduate School no later than the second semester in residence.
3. Satisfactory performance in PAD 710 Capstone **Seminar** course. A student is eligible to take the course if the student has:
 - a. Earned a 3.0 or above graduate GPA for each course or cumulative GPA in public administration courses and a cumulative GPA of 3.0;
 - b. Completed all core course requirements;
 - c. No outstanding incompletes; and
 - d. Filed a degree plan.
4. Fulfillment of general requirements for graduation as outlined by the Graduate School.

MPA Course Requirements Curriculum Summary

Code	Title	Hours
	Core Curriculum (p. 175)	21
	Urban Planning and Environmental Policy (p. 175)	9
	Electives (p. 175)	3
	Other Courses (p. 175)	3
Total Hours		36

Core Curriculum

Code	Title	Hours
PAD 500	Theory & Practice	3
PAD 502	Research Meth In Pub Adm	3
PAD 503	Quantitative Methods I	3
PAD 507	Organization Behavior & Theory	3
PAD 631	Gov Budgeting & Financial Mgmt	3
PAD 640	Pub Pers Admin Th & Pract	3
PAD 710	Capstone	3
Total Hours		21

Urban Planning and Environmental Policy

Code	Title	Hours
Select nine (9) credits from the following:		9
UPEP 701	Planner's Guide to the History of City Growth and Development	
UPEP 703	Planning Theory & Practice	
UPEP 709	Principles of Planning Law	
UPEP 730	Introduction to GIS Urban Pln	
UPEP 731	Applications of GIS Urban Planning	
Total Hours		9

Elective Courses

Code	Title	Hours
Select one of the following:		3
PAD 501	Leadership & Decision Making	
PAD 506	Program Evaluation	
PAD 630	Pub Fin Mgmt	
PAD 633	Man Fin Anal Methods	
PAD 650	Intergovernmental Relations	
PAD 651	Urban Admin Systems	
PAD 652	Human Services Admin	
PAD 701	Independent Study	
PAD 708	Administrative Regulations	
Total Hours		3

Electives offered by other schools/colleges may be taken upon approval by faculty advisor and program coordinator.

Other Requirements

Code	Title	Hours
PAD 700	Internship	3
Total Hours		3

Master of Public Administration/ Juris Doctor Dual Degree

MPA/JD Program

A combined degree program with Texas Southern University's Thurgood Marshall School of Law enables students to acquire both a JD and a MPA degree with a reduction in the total credit hours. The program allows students to complete requirements for the two degrees in four (4) years

instead of five (5) years, if pursued separately. The program is intended for students who want to obtain mastery of the administrative and legal aspects of public administration in the public, private, and non-profit sectors; combining advanced public administration education with legal training in order to enhance or expand their career option.

The MPA/JD Dual Degree Program is open to holders of baccalaureate degrees from accredited colleges or universities. Applicants to the program must meet the entrance requirements and follow application procedures administered by the Texas Southern University Graduate School, the Barbara Jordan – Mickey Leland School of Public Affairs and the Thurgood Marshall School of Law.

Admission Procedures

- Dual Degree Program participants will have to satisfy the same admission requirements as applicants for the stand-alone Master of Public Administration (MPA) and Juris Doctor (JD) programs.
- Admission to the Dual Degree Program shall be open to all MPA and law students who are academically eligible under the TSU Graduate School, MPA Program and Thurgood Marshall School of Law Rules.
- MPA students wishing to enroll in the Dual Degree Program must petition the MPA Program Director. Such petition shall state why the student wishes to enroll in the program and include a proposed plan for completing all course work and other requirements within four (4) years. Students who have not submitted this petition will not be considered Dual Degree candidates.
- Although students may apply for either the MPA or JD program at any time during their course of study, **students must be admitted to both programs before completing either program.**
- Continuation in the Dual Degree Program shall be dependent upon the student's satisfactory academic progress in each of the dual fields. Incomplete work or other evidence of unsatisfactory academic progress may lead to a decision by the MPA Program Director to reduce the student's workload directed towards the law degree. Continued unsatisfactory progress may result in dismissal from the Dual Degree Program.

A student must also:

- Maintain at least 2.0 cumulative GPA in the JD portion of the program.
- Successfully complete the writing requirements of the JD portion of the program.
- Register for all required law school courses on a full-time basis and in the sequence established by the Law School faculty. (Concurrent enrollment in the courses of either school is permitted only after the completion of the first year JD curriculum.)
- Complete all the requirements for the MPA and JD portions of the dual program within four (4) years of the initial enrollment in the program.
- Comply with the academic regulations of each school, including those related to the minimum GPA and scholastic discipline. (The computation of the cumulative GPA in each program (JD and MPA) is based on all the courses that would be taken into consideration to award each degree).

Public Affairs, Bachelor of Science and Master of Public Administration 4+1 Dual Degree

4+1 Dual Degrees

The accelerated 4+1 program in Public Affairs is available for students currently admitted in the Bachelor of Science (B.S.) in Public Affairs program. Students entering the 4+1 accelerated program will be admitted to the Master of Public Administration program or the Executive Master of Public Administration program.

The five-year MPA program includes 138 (MPA) academic hours of coursework with an embedded undergraduate degree in Public Administration.

The 4+1 academic program is open to students in the Barbara Jordan – Mickey Leland School of Public Affairs seeking a B.S. degree in Public Affairs. Admission to this graduate programs is not automatic. The principal eligibility factors are the student's cumulative GPA and the Public Affairs courses GPA. The five-year program includes 138 academic hours of coursework. Students entering the Master's program through the 4+1 are not required to complete the GRE.

Designed for the dedicated and driven TSU student, the accelerated 4+1 program combines graduate course work with advanced undergraduate course work, enabling students to earn both a bachelor's and master's degree within five years. It provides top undergraduate students the flexibility to begin taking classes toward their master's degree during their senior year of undergraduate studies.

Students interested in this program must meet the following eligibility requirements to be considered for admission:

1. Have completed at least 90 credits hours of coursework from an approved Public Affairs degree plan.
2. Have a cumulative TSU GPA of 2.5.
3. Have grades posted for all 300 level required courses.
4. Have at least three semesters left in undergraduate program at time of admission to the master's program (senior year course work).

Students in the 4+1 accelerated program must follow all course requirements pertaining to both programs. Satisfactory progress in the program is achieved if the student maintains a **3.00 GPA** in overall graduate course work in the student's master's program. The student may drop out of the 4+1 accelerated program and return to a regular B.S. program at any point of time.

Continuous enrollment in the 4+1 program is required to matriculate through the program. If at any point the student stops enrollment in the 4+1 program, the student will be required to return to a regular bachelor's program.

Students who are dismissed, or voluntarily withdraw, from the 4+1 accelerated program and return to undergraduate status, are eligible to apply for admission to the stand-alone master's program in Public Affairs.

Competencies in the five-year MPA are achieved through an interdisciplinary approach that provides students with:

1. An analytical approach to decision-making in the managerial sciences;

2. Problem solving skills and analytical competencies relevant to management positions;
3. Knowledge of workings of governmental and non-governmental organizations; and
4. Structured and varied work experiences with a foundation in computer and information technology.

Course	Title	Hours
Freshman		
First Semester		
ENGL 1301	Freshman English I	3
MATH 1332	Contemporary Mathematics I	3
COMM 1321	Business & Professional Comm	3
POLS 2305	American Government	3
HIST 1301	Soc & Pol Hist US to 1877	3
Hours		15
Second Semester		
ENGL 1302	Freshman English II	3
MATH 134 or MATH 1324	Plane Trigonometry or Math and Business and Econ I	3
SOCI 1301	Introduction To Sociology	3
HIST 1302	Soc & Pol Hist US Since 1877	3
POLS 2306	Texas Government	3
Hours		15
Sophomore		
First Semester		
ENG (200 level)		3
BIOL 1308	Survey of Life Science	3
Select one of the following:		3
ART 131	Drawing & Composition I	
MUSI 131	Introduction To Music	
THEA 1310	Introduction to Theatre	
Foreign Lang/Sub		3
ECON 2301	Principles Of Economics I	3
Hours		15
Second Semester		
COSC 1301	Intro To Compr Science I	3
GEOL 1303	Introduction To The Earth	3
Social and Behavioral Sciences		3
Foreign Lang/Sub		3
ECON 2302	Principles Of Economics II	3
Hours		15
Junior		
First Semester		
PA 271	Intro to Public Adm	3
PA 311	Intro To Pub Sector Plng	3
PA 312	Public Budgeting	3
PA 313	Org Behavior & Mgmt	3
PA 321	Personnel Admin	3
Hours		15
Second Semester		
PA 400	Program Evaluation	3
PA 401	Policy Process	3

PA 410	Seminar in Public Affairs	3
PAD 500	Theory & Practice	3
PAD 502	Research Meth In Pub Adm	3
Hours		15

Senior**First Semester**

PA Free Elective		3
PA Free Elective		3
PAD 503	Quantitative Methods I	3
PAD 507	Organization Behavior & Theory	3
PAD 509	Computer Appls in Public Admin	3
Hours		15

Second Semester

PA Free Elective		3
PAD 504	Quantitative Methods II	3
PAD 620	The Policy Making Process	3
PAD 621	Soc Res & Soc Policy	3
PAD 622	Science, Tech & Pub Policy	3
Hours		15

Fifth Year**First Semester**

PAD 631	Gov Budgeting & Financial Mgmt	3
PAD 623	Pub Policy Anal Mthds	3
PAD 705	Topical Seminar	3
Hours		9

Second Semester

PAD 700	Internship	3
PAD 710	Capstone	3
Hours		6

Total Hours **135**

Public Affairs, Bachelor of Science and Executive Master Public Administration, EMPA 4+1 Dual Degree

4+1 Dual Degrees

The accelerated 4+1 program in Public Affairs is available for students currently admitted in the Bachelor of Science (B.S.) in Public Affairs program. Students entering the 4+1 accelerated program will be admitted to the Master of Public Administration program or the Executive Master of Public Administration program.

The five-year EMPA program includes 135 (MPA) academic hours of coursework with an embedded undergraduate degree in Public Administration.

The 4+1 academic program is open to students in the Barbara Jordan – Mickey Leland School of Public Affairs seeking a B.S. degree in Public Affairs. Admission to this graduate programs is not automatic. The principal eligibility factors are the student's cumulative GPA and the Public Affairs courses GPA. The five-year program includes 135 academic

hours of coursework. Students entering the Master's program through the 4+1 **are not required** to complete the GRE.

Designed for the dedicated and driven TSU student, the accelerated 4+1 program combines graduate course work with advanced undergraduate course work, enabling students to earn both a bachelor's and master's degree within five years. It provides top undergraduate students the flexibility to begin taking classes toward their master's degree during their senior year of undergraduate studies.

Students interested in this program must meet the following eligibility requirements to be considered for admission:

1. Have completed at least 90 credits hours of coursework from an approved Public Affairs degree plan.
2. Have a cumulative TSU GPA of 2.5.
3. Have grades posted for all 300 level required courses.
4. Have at least three semesters left in undergraduate program at time of admission to the master's program (senior year course work).

Students in the 4+1 accelerated program must follow all course requirements pertaining to both programs. Satisfactory progress in the program is achieved if the student maintains a **3.00 GPA** in overall graduate course work in the student's master's program. The student may drop out of the 4+1 accelerated program and return to a regular B.S. program at any point of time.

Continuous enrollment in the 4+1 program is required to matriculate through the program. If at any point the student stops enrollment in the 4+1 program, the student will be required to return to a regular bachelor's program.

Students who are dismissed, or voluntarily withdraw, from the 4+1 accelerated program and return to undergraduate status, are eligible to apply for admission to the stand-alone master's program in Public Affairs.

Competencies in the five-year MPA are achieved through an interdisciplinary approach that provides students with:

1. An analytical approach to decision-making in the managerial sciences;
2. Problem solving skills and analytical competencies relevant to management positions;
3. Knowledge of workings of governmental and non-governmental organizations; and
4. Structured and varied work experiences with a foundation in computer and information technology.

Course	Title	Hours
Freshman		
First Semester		
ENGL 1301	Freshman English I	3
MATH 1332	Contemporary Mathematics I	3
POLS 2305	American Government	3
COMM 1321	Business & Professional Comm	3
HIST 1301	Soc & Pol Hist US to 1877	3
Hours		15
Second Semester		
ENGL 1302	Freshman English II	3
MATH 134 or MATH 1325	Plane Trigonometry or Elements of Calculus	3

SOCI 1301	Introduction To Sociology	3
POLS 2306	Texas Government	3
HIST 1302	Soc & Pol Hist US Since 1877	3
Hours		15

Sophomore**First Semester**

ENG (200 level)		3
BIOL 1308	Survey of Life Science	3
Select one of the following:		3
ART 131	Drawing & Composition I	
MUSI 131	Introduction To Music	
THEA 1310	Introduction to Theatre	
Foreign Lang/Sub		3
ECON 2301	Principles Of Economics I	3
Hours		15

Second Semester

COSC 1301	Intro To Compr Science I	3
GEOL 1303	Introduction To The Earth	3
Social and Behavioral Sciences		3
Foreign Lang/Sub		3
ECON 2302	Principles Of Economics II	3
Hours		15

Junior**First Semester**

PA 271	Intro to Public Adm	3
PA 311	Intro To Pub Sector Plng	3
PA 312	Public Budgeting	3
PA 313	Org Behavior & Mgmt	3
PA 321	Personnel Admin	3
Hours		15

Second Semester

PA 400	Program Evaluation	3
PA 401	Policy Process	3
PA 410	Seminar in Public Affairs	3
PAD 500	Theory & Practice	3
PAD 501	Leadership & Decision Making	3
Hours		15

Senior**First Semester**

PA Free Elective		3
PA Free Elective		3
PAD 503	Quantitative Methods I	3
PAD 502	Research Meth In Pub Adm	3
PAD 507	Organization Behavior & Theory	3
Hours		15

Second Semester

PA Free Elective		3
PA Free Elective		3
PAD 631	Gov Budgeting & Financial Mgmt	3
PAD 620	The Policy Making Process	3
PAD 622	Science, Tech & Pub Policy	3
Hours		15

Fifth Year**First Semester**

PAD 600-Level Course		3
PAD 650	Intergovernmental Relations	3
PAD 660	Com Pub Admin West Nations	3
Hours		9

Second Semester

PAD 705	Topical Seminar	3
PAD 710	Capstone	3
Hours		6
Total Hours		135

Department of Urban Planning and Environmental Policy

- Urban Planning and Environmental Policy (Community Development and Housing Concentration), Master (p. 185)
- Urban Planning and Environmental Policy (Spatial Analysis and Mobility Planning Concentration), Master (p. 187)
- Urban Planning and Environmental Policy (Sustainable Environmental and Land Use Planning Concentration), Master (p. 190)
- Urban Planning and Environmental Policy, Doctor of Philosophy (p. 192)

UPEP 601 Planner's Guide to the History of City Growth and Development (3 Credits)

Lecture: 3

Examines the forces that have prompted urban development and shaped urban areas since the mid-19th century. From a planning perspective, focuses on the relationship between the social, physical, economic and political; components of a city and their combined impact on contemporary trends in the urban arena. 3 hours per week.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 603 Planning History & Theory (3 Credits)

Lecture: 3

Examines the collective history, intellectual heritage and procedural approaches shared by professionals working in contemporary planning practice. Addresses planning ethics. 3 hours per week.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 619 Plan Making & Implementation (3 Credits)

Lecture: 3

This course introduces students to the plan making processes, policies and techniques for implementing public plans, such as comprehensive, strategic and small area plans. Topics covered include public sector engagement, capital improvements programming and budgeting, and fiscal planning. 3 hours per week.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 620 Planning Studio (3 Credits)**Lecture: 3**

This is a capstone experience where students apply elements of the planning process to the development of a comprehensive plan, area plan, or policy for a specific community or neighborhood. 3 hours per week.

Prerequisite(s): (UPEP 603 and UPEP 605 and UPEP 609 and UPEP 619)

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 621 Planning Studio 2 (3 Credits)**Lecture: 3**

This is a capstone experience where students apply elements of the planning process to the development of a comprehensive plan, or policy for a specific community or neighborhood, 3 hours per week.

Prerequisite(s): (UPEP 620)

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 625 Sustainable Communities (3 Credits)**Lecture: 3**

Exploring urban planning issues through the sustainability lens, the course examines ways to coordinate goals of environment, economy, and equity at community, city regional and state levels. Case studies of cities, regions and development projects are utilized. 3 hours per week.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 701 Planner's Guide to the History of City Growth and Development (3 Credits)**Lecture: 3**

Examines the forces that have prompted urban development and shaped urban areas since the mid-19th century. From a planning perspective, focuses on the relationship between the social, physical, economic and political components of a city and their combined impact on contemporary trends in the urban arena. 3 hours per week.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 703 Planning Theory & Practice (3 Credits)**Lecture: 3**

Examines the intellectual heritage and procedural approaches shared by professionals working in contemporary planning practice. Addresses planning ethics. 3 hours per week.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 705 Introduction to Land Use Planning (3 Credits)**Lecture: 3**

Introduction to the principles and practice of land use planning in the United States. Students learn about the planning and development process including: reviewing site plans, developing master plans, revising development standards, and writing staff reports. 3 hours per week.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 707 Comprehensive Physical Planning (3 Credits)**Lecture: 3**

Introduction to the principles and practice of physical planning in the United States. Workshop exercises, analyses, and readings are designed to provide a comprehensive and practical understanding of the physical planning and approval process, the elements of physical plans, and the data and analyses needed to prepare and review such plans. 3 hours per week.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 709 Principles of Planning Law (3 Credits)**Lecture: 3**

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 710 Land Use Control Policy and Regulations (3 Credits)**Lecture: 3**

This course provides an overview of land use regulation concepts, techniques, and strategies. Students develop and understanding of the strengths and weaknesses of various land use controls by studying the range of tools used by local, state, and federal governments. 3 hours per week.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 713 Principles of Site Design (3 Credits)**Lecture: 3**

Focuses on the role of site planning in creating the built environment. Examines the environment aspects of site conditions, such as hydrology, soils, and topography, and considers aspects of the built form in context of the local communities' goals and conditions. Introduces tools for presenting and analyzing site designs and other maps and plans. 3 hours per week.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 714 Principles of Urban Design (3 Credits)**Lecture: 3**

Discusses urban design as part of the planning process. Reviews current and historical ideas and practices for improving the urban environment through design. 3 hours per week.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 718 Professional Communications in Planning (3 Credits)**Lecture: 3**

Course provides opportunity for students to engage in applied planning communications through a variety of formats including verbal, digital, and written. 3 hours per week.

Prerequisite(s): (UPEP 703 and UPEP 705 and UPEP 709)

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 719 Plan Making and Implementation (3 Credits)**Lecture: 3**

Introduces students to the plan making processes, policies and techniques for implementing public plans, such as comprehensive, strategic and small area plans. Topics covered included public sector engagement, capital improvement programming and budgeting, and fiscal planning. 3 hours per week.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 720 Planning Studio I (3 Credits)**Lecture: 3**

This is an applied planning students work as a group on a place-based project. 3 hours per week.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 721 Planning Studio II (3 Credits)**Lecture:** 3

Capstone experience where students apply elements of the planning process to the development of a comprehensive plan, area plan, or policy for a specific community or neighborhood. 3 hours per week.

Prerequisite(s): (UPEP 720)**College/School:** The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 724 INDEPENDENT STUDY (3 Credits)****Lecture:** 3**College/School:** The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 725 Introduction to Statistics (3 Credits)****Lecture:** 3

Introduction to applied statistics includes descriptive and inferential statistics, regression and correlation analysis, and computer-based analytic tools for planning analysis. 3 hours per week.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 726 Applied Planning Methods (3 Credits)****Lecture:** 3**College/School:** The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 727 Multivariate Analysis Methods (3 Credits)****Lecture:** 3

An applied introduction to multivariate statistical methods used to analyze land-use, environmental, and other large datasets. 3 hours per week.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 728 Planning Techniques in Population & Economic Analysis (3 Credits)****Lecture:** 3

This course focuses on quantitative methods in the analysis and projection of population, employment, transportation, and land use with an emphasis on translating results into policy implications. 3 hours per week..

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 729 Urban Land Economics (3 Credits)****Lecture:** 3

Introduces the concepts urban economics, land markets, and locational decision, making. Also discusses urban spatial structure and the political, social, economic, and the political, social, economic, and other conditions that impact land uses and values. 3 hours per week.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 730 Introduction to GIS Urban Pln (3 Credits)****Lecture:** 3

Introduces basic spatial analysis in the context of urban and environmental planning by geographic information systems. 3 hours per week.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 731 Applications of GIS Urban Planning (3 Credits)****Lecture:** 3

Provides the concept of advanced spatial analysis including network analysis, three-dimensional analysis, and GIS applications to both urban planning and environmental policy. 3 hour per week.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 732 Advanced Studies in GIS (3 Credits)****Lecture:** 3

Course in advanced GIS techniques and applications. Combines lectures, readings, discussions, and hands-on labs to graduate students with necessary trainings in GIS to build up advanced knowledge and develop sophisticated techniques required for research on a variety of urban planning and environmental policy analyses. 3 hours per week.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 740 Community Development in the Urban Milieu (3 Credits)****Lecture:** 3

Explores the theory, history, methods and practice of community. 3 hours per week.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 742 Housing Policy: Context and Impact (3 Credits)****Lecture:** 3

Considers both historic and contemporary federal, state and local housing policy within U.S. and international settings. Discusses the social implications of housing, the roles of the public. 3 hours per week.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 744 Citizen Part in Pln Process (3 Credits)****Lecture:** 3

Student examine the roles of community organizing and meaningful inclusive public engagement in the planning process. They explore the planner's role in structuring opportunities for public participation as they learn about models for participation in local decision-making. 3 hours per week.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 746 Introduction to Real Estate (3 Credits)****Lecture:** 3

An introduction to methods of financial analysis for real estate investment. topics include methods of valuation, each flow forecasting, computer modeling, and taxation and leverage structure. emphasizes the financing of individual projects. 3 hours per week.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 748 Methods of Land Development Project Analysis (3 Credits)****Lecture:** 3

Examines the land development decision-making process with a focus on learning skills to evaluate the impacts of new developments on the site and surrounding area. Students learn technical skills for reading site plans and evaluating development plans. 3 hours per week..

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli

UPEP 750 Urban Infrastructure Planning and Policy (3 Credits)**Lecture: 3**

Survey of infrastructure systems such as water, sewer, stormwater, energy, transportation, and communications. Course considers the relationship between infrastructure, equity, land development and population growth. 3 hours per week.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 752 Sustainable Communities Planning (3 Credits)**Lecture: 3**

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 761 Land Use and Environmental Planning (3 Credits)**Lecture: 3**

Explores the concept of environmental sustainability through the practice of urban planning. Focuses on topics covering the natural and physical sciences and policies and planning for environmental decision-making. Examines major environmental issues including water, air, land, biodiversity, natural and humanmade disasters, and climate change. 3 hours per week.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 763 Environmental Planning and Policy (3 Credits)**Lecture: 3**

Examines contemporary environmental policy and practice and the institutional framework for establishing policy and programs. Analysis of case studies of environmental planning at the federal, state and local levels. 3 hours per week.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 765 Env Pln & Natural Res Mgmt (3 Credits)**Lecture: 3**

Examines the problems related to resources management and environmental planning. Relationship between the physical environment and the quality of urban life. Global population impacts to local air pollution control and management. 3 hours per week.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 767 Environmental Justice and Equity (3 Credits)**Lecture: 3**

Discusses ethical considerations in environmental decision-making with an emphasis on questions of equity. Focuses on concepts of environmental and social justice including the history and development of the environmental justice movement in the United States and applied planning methods for injustice and promoting just sustainable development. 3 hours per week.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 769 Environmental Legislation and Policy (3 Credits)**Lecture: 3**

Studies legal principles and institutions involved in protecting the environments, including air, water, and noise pollution. 3 hours per week.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 770 Environmental Monitoring & Analysis (3 Credits)**Lecture: 3**

Interpretation and analysis of scientific information, examination of the chemistry of atmospheric, land and water environment, with particular emphasis on pollution encountered in urban and industrial sectors. 3 hours per week.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 772 Climate Change's Impact on Energy Policy and Planning (3 Credits)**Lecture: 3**

Addresses climate change and energy resources issues in urban planning areas of housing, land use, transportation and community development. Explores energy policy through an examination of energy markets and the energy policy impacts of federal, state and local government. 3 hours per week.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 774 Sustainable Waste Management (3 Credits)**Lecture: 3**

Introduction to approaches for management of wastes at different jurisdictional levels. Examines solid waste, food waste, hazardous wastes, and radioactive wastes. Considers issues of sustainable waste management in terms of associated environmental, economic and equity issues. 3 hours per week..

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 776 Environmental Assessment (3 Credits)**Lecture: 3**

Introduces the principles, methods, and applications of environmental assessments. Focuses on the use of environmental information to inform planning decisions and public policies. 3 hours per week.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 778 Pollution Control (3 Credits)**Lecture: 3**

Examines the technological and management options for controlling and preventing air, water, and solid waste pollution. 3 hour per week.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 780 COMPARATIVE INTL TPCS IN TRANS (3 Credits)**Lecture: 3**

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 785 INTERNATIONAL DEVELOPMENT PLN (3 Credits)**Lecture: 3**

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 789 INDEPENDENT STUDY (3 Credits)**Lecture: 3**

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 790 SPECIAL TOPICS I (3 Credits)**Lecture: 3**

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 791 SPECIAL TOPICS II (3 Credits)**Lecture:** 3**College/School:** The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 792 SPECIAL TOPICS III (3 Credits)****Lecture:** 3**College/School:** The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 795 INTERNSHIP (3 Credits)****Lecture:** 3**College/School:** The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 797 THESIS I (3 Credits)****Lecture:** 3**College/School:** The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 798 Thesis II (3 Credits)****Lecture:** 3

Independent scholarly research project resulting in a substantive paper that involves original collection or treatment of. 3 hours per week.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 800 City Growth & Dev of Cities (3 Credits)****Lecture:** 3

The Growth and Development of Cities (3) Historic interrelationships of various cultural influences and theoretical concepts on contemporary patterns, trends and problems of urban development. Forces which prompted urban development and shaped urban areas throughout human history.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 801 Pln Theory & Practice (3 Credits)****Lecture:** 3

Planning Theory and Practice (3) An Examination of the intellectual heritage and procedural approaches shared by practitioners working in all areas of contemporary planning practice. General area of planning theory and ethical issues.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 802 Quantitative Methods in Pln (3 Credits)****Lecture:** 3

Quantitative Methods in Planning (3) Descriptive and inferential statistics as applied to public policies in planning and environmental policy.

Computer-based analytical tools for planning analysis. The software package SPSS is the working tool of the class.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 803 Res Methods & Eval in Urb Pln (3 Credits)****Lecture:** 3

Research Methods and Evaluation in Environmental Planning (3) Methods of investigation and analysis, the formulation of theory, selection of appropriate research techniques, data-gathering techniques, data preparation and data processing, measures of association and statistical significance and methods of addressing environmental quality.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 804 Intro to Site Design (3 Credits)****Lecture:** 1, **Lab:** 2

Introduction to Site Design (3) Focus on the study and evaluation of the built environment with particular reference to those aspects of the development process that result in "better" physical forms. An appreciation of the architectural and design elements of land use development.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 805 Planning Studio I (3 Credits)****Lecture:** 0, **Lab:** 3

Plan Preparation Studio (3) Student planning projects done under the supervision of faculty members to develop planning solutions to real situations confronting communities and other public service organizations.

Prerequisite(s): (UPEP 800 and UPEP 801 and UPEP 802 and UPEP 808 and UPEP 806 and UPEP 813)

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 806 Land Use & Env Law (3 Credits)****Lecture:** 3

Land-Use and Environmental Law (3) A basic framework in environmental laws, survey of critical cases, policy decisions and legal history. Regional, national and international issues are addressed with the focus on inter-jurisdictional problem systems in different localities.

Prerequisite(s): (UPEP 800 and UPEP 801)**College/School:** The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 807 PRO COMM IN PLANNING (3 Credits)****Lecture:** 3

Pro communications in Planning Course provides opportunity for students to engage in variety of ways to communicate both orally and in writing. Various communication styles, venues and audiences are addressed.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 808 Applied Planning Methods (3 Credits)****Lecture:** 3

Applied Planning Methods Provide the opportunity for students to learn and practice developing various methods and decision making models that are used in the field. These methods include surveys, qualitative approaches, demographic analysis and forecasting, development of indexes, economic analysis and project evaluation.

Prerequisite(s): UPEP 802**College/School:** The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 809 Urban Econ & Spatial Stru (3 Credits)****Lecture:** 3

Urban Economics and Spatial Structure (3) Introduction to the basic concepts of urban economics and the common planning issues related to urban spatial structure.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli

UPEP 810 Land Use Control Pol& Reg (3 Credits)**Lecture: 3**

Land-Use Control Policy and Regulation (3) Public land-use policy and legislation and implementing governmental actions; land-use control exercised by several levels of government; practice and impacts of zoning on growth management.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 811 Intro to GIS in Urb Pln (3 Credits)**Lab: 3**

Introduction to GIS in Urban Planning (3) Relational databases examined in the context of urban and environmental planning. Focus is given to geographic information systems for collecting and displaying spatial information.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 812 Theories of Urb Form & Design (3 Credits)**Lecture: 3**

Theories of Urban Form and Design (3) Analysis of idealized urban forms, theories and models in urban areas as they relate to function and location of urban activities.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 813 Intro to Land Use Pln (3 Credits)**Lecture: 3, Lab: 0**

Introduction to Land Use Planning (3) Introduction to the organization and conduct of local land-use planning as practiced in Texas. The course will cover Texas statutes, the General Plan, specific plans and how to do them, and how to manage a planning department.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 821 Comparative Intl Tpcs in Trans (3 Credits)**Lecture: 3**

Comparative International Topics in Transportation (3) Comparative planning and policies in transportation. A comparison of different models of transportation used by developed and developing countries and the relationship between transportation and economic development.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 825 Energy Policy & PAn Analysis (3 Credits)**Lecture: 3**

Energy Policy & Planning Analysis Overview of the evolution of energy planning and addressing the salient issues that cities are facing and impacts that energy policy has on communities.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 841 Application of GIS (3 Credits)**Lecture: 0, Lab: 3**

Application of Geographic Information Systems in Urban Planning (3) GIS and its application to both urban planning and environmental policy. Topics will include data discovery, databases design, construction, modeling and analytical measurements.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 842 Advanced Studies in GIS (3 Credits)**Lecture: 3**

Advanced Studies in GIS This class covers advanced GIS techniques and applications. It combines lectures, readings, discussions, and hands-on labs to graduate students with necessary trainings in GIS to build up advanced knowledge and develop sophisticated techniques required for research on a variety of urban planning and environmental policy analyses.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 844 Multivariate Analysis Methods (3 Credits)**Lecture: 3**

Multivariate Analysis Method (3) Multivariate statistical methods used to analyze land-use, environmental and other large data sets. Emphasis on causal modeling of cross-sectional data. Topics include multiple regression analysis, nonlinear models, path analysis, and log-linear models.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 850 Infrastructure Pln& Pol (3 Credits)**Lecture: 3, Lab: 0**

Urban Infrastructure, Planning and Policy (3) Methods and procedures used in planning basic urban infrastructure systems; transportation, water supply, wastewater, storm water, solid waste. Infrastructure development centralized vs. decentralized system; case study.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 851 Waste Mgmt & Remediation (3 Credits)**Lecture: 3, Lab: 0**

Waste Management and Remediation: Air, Water and Soil (3) Current approaches to the management and disposal of urban waste, focusing on alternatives such as recycling. Topics will also include disposal of hazardous wastes.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 852 Env Impact Assessment (3 Credits)**Lecture: 3, Lab: 0**

Environmental Impact Assessment (3) Examination of environmental Impact Assessment processes and methods from both a theoretical and applied perspective. The philosophy and statutory basis of the assessment process is reviewed. The broader planning processes for jurisdiction are emphasized.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 855 Environmental Planning (3 Credits)**Lecture: 3**

Environmental Planning (3) Introduction to the theoretical and practical aspects of the environmental planning process and also the examination of the standard environmental planning techniques and strategies.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 860 Theory His & Prac of Com Dev (3 Credits)**Lecture: 3, Lab: 0**

Theory, History and Practice of Community Development (3) Examination of the theory, history, methods and practice of local community development. The course examines the historical roots of community involvement and action.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 861 US Housing Pln & Pol (3 Credits)**Lecture:** 3

U.S. Housing Planning and Policy (3) A survey of the residential environment from economic and sociological perspectives. The behavior of individuals and institutions in the housing and mortgage markets. Emphasis is placed on examining the impact of federal, state and local policies on housing markets, housing availability, and family welfare.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 862 Sustainable Comm (3 Credits)****Lecture:** 3, **Lab:** 0

Sustainable Communities (3) Examination of sustainable communities and the environmental, social, economic, political, and design standards that underlie them. Actual case studies of cities, towns and development projects that reflect principles of sustainability.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 863 Citizen Part in Plng Process (3 Credits)****Lecture:** 3

Citizen Participation in the Planning Process (3) An examination of the role of citizens and citizen organizations in the city planning process. Models for citizen involvement. Examination of the effectiveness of different organizational models in different situations.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 864 Intro to Real Estate (3 Credits)****Lecture:** 3

Introduction to Real Estate (3) Introduction to methods of financial analysis for real estate investment. Topics include methods of valuation, each flow forecasting, computer modeling, taxation, and leverage structure. Emphasis is placed on the financing of individual projects.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 871 Env Values & Ethics (3 Credits)****Lecture:** 3

Environmental Values and Ethics (3) Detailed exploration of the normative debate surrounding environmental issues. Attention to foundation of environmental economics, questions about the value of endangered species, concerns of future generations and obligations toward equity.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 872 Methods of Proj Anal (3 Credits)****Lecture:** 3

Methods of Project Analysis (3) A course designed to provide an understanding of the variety of planning evaluation methods and processes employed in the review of development proposal, site plans and public policies.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 873 Special Topics (3 Credits)****Lecture:** 3, **Lab:** 0

Special Topics (3) Focus on selected topics.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 874 Special Topics (3 Credits)****Lecture:** 3

Special Topics (3) Focus on selected topics.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 875 Special Topics (3 Credits)****Lecture:** 3

Special Topics (3) Focus on selected topics.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 877 Independent Study (3 Credits)**

Independent Study

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 888 Thesis (3 Credits)****Lecture:** 0, **Lab:** 6

Thesis (3) Designed to be a product of independent research that is approved by a faculty committee.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 889 Planning Thesis (3-6 Credits)****Lecture:** 0, **Lab:** 6

Thesis (3) Designed to be a product of independent research that is approved by a faculty committee.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 890 Internship (3 Credits)****Lecture:** 3

Internship (3) Designed to provide students with a supervised practical experience in public, private, and selected nonprofit agencies.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 900 Adv Pln Theory & Prac (3 Credits)****Lecture:** 3, **Lab:** 0

Advanced Planning Theory and Practice (3) Examines the intellectual and professional roots of contemporary planning theory and practice. Effort is directed toward analyzing these roots with an eye to stimulating new perspectives and concepts for a sustainable community orientation.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 901 Adv Urb Theory (3 Credits)****Lecture:** 3

Advanced Urban Theory (3) Studies the evolution of Urban Theory. Genesis and structure of planning thought and methods; economic, political, and social factors influencing the development of urban theories and policies; the theory and development of urban structure; and the history of cities.

Prerequisite(s): (UPEP 900)**College/School:** The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 902 Adv Pln Analysis (3 Credits)****Lecture:** 3, **Lab:** 0

Advanced Planning Analysis (3) Studies methods for investigation and analysis of urban and environmental phenomena; models, datagathering techniques; sources and applications of aggregate data; data preparation and data processing; measures of association and statistical significance.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli

UPEP 903 Adv Pln Analysis II: Stats (3 Credits)**Lecture:** 3

Advanced Planning Analysis (3) Studies applied statistics and computing, inferential statistics; multivariate statistical methods; selecting the appropriate statistical test for analyzing bivariate relationships and procedures for more complex designs.

Prerequisite(s): (UPEP 902)**College/School:** The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 904 Env Pln & Pol (3 Credits)****Lecture:** 3, **Lab:** 0

Environmental Planning and Policy (3) Examines contemporary environmental policy and practice and the institutional framework for establishing policy and programs. Analysis of case studies of environmental planning at the federal, state, and local levels.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 905 Env Pln & Natural Res Mgmt (3 Credits)****Lecture:** 3

Environmental Planning and Natural Resources Management (3) Examination of the problems related to resources management and environmental planning. Relationship between the physical environment and the quality of urban life. Global population impacts on local air pollution control and management.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 906 Env Monitor & Anal (3 Credits)****Lecture:** 3, **Lab:** 0

Environmental Monitoring and Analysis (3) Interpretation and analysis of scientific information: examination of the chemistry of atmospheric, land and water environment, with particular emphasis on pollution encountered in urban and industrial sectors.

Prerequisite(s): (UPEP 904)**College/School:** The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 907 Env Legislation & Pol (3 Credits)**

Environmental Legislation and Policy (3) Studies legal principles and institutions involved in protecting the environments, including air, water, and noise pollution. The approach of lawyers and courts, as differentiated from that of planners.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 908 Pollution Control (3 Credits)****Lecture:** 3

Pollution Control (3) Examines the technological and management options for controlling and preventing air, water, and solid waste pollution.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 909 Population & Dev Pln (3 Credits)****Lecture:** 3

Population and Development Planning (3) Examines issues, methods, strategies and problems related to the integration of population information with policies for guiding the social and economic development of third world countries.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 910 Comp Pln& Growth Mgmt (3 Credits)****Lecture:** 3

Comprehensive Planning and Growth Management (3) Explores the comprehensive planning process by developing a plan for a local jurisdiction. Problems and needs for growth management; planning approaches and methods for controlling growth in the urban environment.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 941 Research Colloquium (3 Credits)****Lecture:** 3

Research Colloquium (3) Seminars for doctoral students addressing issues of interests in research, teaching, and career development.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 942 Dissertation I (3-12 Credits)****Lab:** 20

Dissertation Supervised research and dissertation preparation.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 943 Dissertation II (1 Credits)**

Supervised research and dissertation preparation. Student may enroll for 1.000 credit in an enroll term. Program total credits allowed 3.000

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 977 Independent Study (3 Credits)****Lecture:** 3

Independent Study (3) Advisor-supervised preparation for the comprehensive examination.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli

Urban Planning and Environmental Policy (Community Development and Housing Concentration), Master

The Master of Urban Planning and Environmental Policy (MUPEP) is a Planning Accredited Program (PAB) which trains students with the skills and knowledge necessary to be successful in planning and planning related professions. Whether desiring to become a planning generalist or a generalist with a specialty in environmental and land use planning, community development and housing, or spatial analysis, students graduate from the MUPEP program with the skills and knowledge of equity, social justice and sustainability. We prepare students to become planners who demonstrate critical, visionary, and utopian thinking with an ability to elicit, understand, and respectfully characterize community values within planning projects.

The major objectives of the Master of Urban Planning and Environmental Policy Program are:

- To train students for professional careers in planning, allowing them to function in both generalist and specialist roles.
- To provide students with an understanding of the history and theories of cities and urban regions.
- To prepare students with life-long analytical, research, and communication skills.

- To provide students with the specific knowledge and skills needed to become successful practicing planners in a wide range of urban, metropolitan and regional planning areas.
- To provide students with scientific and technical skills that can be applied professionally to solve problems of both the built and natural environments.

Degree Requirements

The program requires 48 credits. Of those, twenty-four (24) are required core courses. In addition to the core requirements, students are required to take twelve (12) credits in specialization courses. The remaining twelve (12) credits are for elective courses.

With Department approval, it is possible to transfer up to 6 credit hours taken in another graduate program. Only courses with a B or higher grade will be considered and the course content must be relevant to the MUPEP degree.

The MUPEP program does not grant credit for courses completed for a prior earned degree.

All students, except for students completing a thesis, must satisfy the internship requirement and pass the comprehensive exit examination.

Specializations

All students must take 12 credit hours within one of the three specializations offered: (a) Sustainable Environmental and Land Use Planning, (b) Community Development and Housing, or (c) Spatial Analysis and Mobility Planning.

Sustainable Environmental and Land Use Planning Specialization

The Sustainable Environmental and Land Use Planning specialization provides planners with conceptual and methodological skills to manage both the built and natural environments in order to promote sustainable and equitable urban development. Issues include: waste management, flooding and storm water, environmental pollution, land use planning, climate change, and environmental justice. Students are required to take both:

- UPEP 750 Urban Infrastructure Planning and Policy
- UPEP 761 Land Use and Environmental Planning

and 2 courses from the following list:

- UPEP 730 Introduction to GIS in Urban Planning
- UPEP 744 Public Participation in the Planning Process
- UPEP 776 Environmental Assessment
- UPEP 767 Environmental Justice and Equity

Community Development and Housing Specialization

The Community Development and Housing specialization introduces students to the myriad of issues facing urban communities. Courses train students in the methods used to assess the potential need and impact of housing and community improvement projects the surrounding residents. Students are required to take both:

- UPEP 740 Community Development in the Urban Milieu
- UPEP 742 Housing Policy: Context and Impact

and 2 courses from the following list:

- UPEP 744 Public Participation in the Planning Process
- UPEP 746 Introduction to Real Estate
- UPEP 748 Methods of Land Development Project Analysis
- UPEP 750 Urban Infrastructure Planning and Policy

Spatial Analysis and Mobility Planning Specialization

The Spatial Analysis and Mobility Planning specialization focuses on the coordination and visualization of the built environment and the impacts of land use policies. The specializations combine courses that allow students to identify development needs and issues and visualize clearly desired outcomes across functional areas. Included in the concentration are a progression of GIS, analytic and visualization tools that are standard to the planning profession. Students are required to take both:

- UPEP 713 Principles of Design
- UPEP 730 Introduction to GIS in Urban Planning

and 2 courses from the following list:

- UPEP 729 Urban Land Economics
- UPEP 731 Applications of GIS in Urban Planning
- UPEP 732 Advanced Studies in GIS
- UPEP 780 Comparative International Topics in Transportation

Electives

All students must take four elective courses (12 credit hours). They may select from any UPEP 7xx course that is not used to fulfill their core or specialization requirements. Alternatively, with the approval of their advisor, students may take program-related graduate courses in other Texas Southern University graduate programs or at other institutions.

Internships

All students, except for students completing a thesis, must satisfy the internship requirement. The internship option is designed for those going directly into practice and want to gain exposure in the field prior to graduation. Students enroll in UPEP 795 and identify an opportunity to work in a planning capacity over the course of 120 hours. A letter of offer is required that identifies responsibilities and the number of hours to be completed. At the completion of the internship, student are required to submit a report/project/journal reflective of lessons learned or internship accomplishments.

Thesis

The thesis is traditional academic research. Depending on the nature of the specific research project, the study could involve historical materials, secondary sources, create primary data, and/or explorations of planning theory. Students earn 6 credits for thesis research: 3 credits in UPEP 888 and 3 credits in UPEP 889; both course sections must be taken.

ADMISSION CRITERIA

The Master of Urban Planning and Environmental Policy requires a bachelor's degree from an accredited college or university and a satisfactory academic record. To apply to the program, the following is required:

1. Online TSU Graduate School Application.
2. Resume.

3. Three letters of reference from people, preferably professors from your undergraduate degree program, who know you well and can provide an evaluation of your ability to perform and succeed at the graduate level.
4. An official transcript from colleges and universities attended. Applicant's undergraduate cumulative GPA must be at least a 3.0 in the last sixty hours.
5. Written statement of purpose (500 - 750 words). Students should write an original statement of purpose indicating future goals and reasons for pursuing the Master of Urban Planning and Environmental Policy specifically at Texas Southern University.
6. Graduate Record Examination scores from the GRE General Test must be submitted by all applicants. Only scores for tests taken within 5 years prior to the entrance term are considered valid.
7. For international applicants, the following additional documentation is required:
 - a. Official TOEFL (Test of English as a Foreign Language) score is required for applicants whose native language is not English, unless the applicant has received an undergraduate degree from a U.S. college or university. A TOEFL score of at least 550 on the paper-based test or 213 on the computer-based test or 79 on the Internet-based test is required. An official IELTS score can be submitted in lieu of TOEFL in which case a minimum overall band score of 6.0 is required.
 - b. Applicants with a bachelor's degree or other educational credentials from a non-U.S. institution must submit an official course-by-course transcript evaluation of that degree by one of the TSU approved transcript evaluation agencies.
 - c. An affidavit of financial support as required by the Office of International Admissions.

Degree Requirements

The program requires 48 credits. Of those, twenty-four (24) are required core courses. In addition to the core requirements, students are required to take twelve (12) credits in specialization courses. The remaining twelve (12) credits are for elective courses.

With Department approval, it is possible to transfer up to 6 credit hours taken in another graduate program. Only courses with a B or higher grade will be considered and the course content must be relevant to the MUPEP degree. The MUPEP program does not grant credit for courses completed for a prior earned degree.

All students, except for students completing a thesis, must satisfy the internship requirement and pass the comprehensive exit examination.

Summary

Code	Title	Hours
Core Curriculum (p. 187)		21-24
Community Development and Housing (p. 187)		12
Electives (p. 187)		9-12
Thesis		0-6
Total Hours		48

Core Requirements

Code	Title	Hours
UPEP 703	Planning Theory & Practice	3
UPEP 705	Introduction to Land Use Planning	3

UPEP 709	Principles of Planning Law	3
UPEP 719	Plan Making and Implementation	3
UPEP 725	Introduction to Statistics	3
UPEP 726	Applied Planning Methods	3
UPEP 720	Planning Studio I	3
UPEP 721	Planning Studio II (Not Required for Thesis Option)	
Total Hours		21-24

Community Development and Housing

The Community Development and Housing area of specialization introduces students to the myriad of issues facing urban communities. Courses train students in the methods used to assess the potential need and impact of housing and community improvement projects and their effects on the surrounding residents. Students are required to take:

Code	Title	Hours
UPEP 740	Community Development in the Urban Milieu	3
UPEP 742	Housing Policy: Context and Impact	3
Select two of the following:		6
UPEP 744	Citizen Part in Pln Process	3
UPEP 746	Introduction to Real Estate	3
UPEP 748	Methods of Land Development Project Analysis	3
UPEP 750	Urban Infrastructure Planning and Policy	3
Total		12

Electives

UPEP courses outside of the student's selected concentration may count as electives. In addition, if approved by their advisor, students may take graduate courses in other departments to count towards their electives.

internship option

All students, except for students completing a thesis, must satisfy the internship requirement. The internship option is designed for those going directly into practice and want to gain exposure in the field prior to graduation. Students enroll in UPEP 795 and identify an opportunity to work in a planning capacity over the course of 120 hours. A letter of offer is required that identifies responsibilities and the number of hours to be completed. At the completion of the internship, student are required to submit a report/project/journal reflective of lessons learned or internship accomplishments.

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The thesis is traditional academic research. Depending on the nature of the specific research project, the study could involve historical materials, secondary sources, create primary data, and/or explorations of planning theory. Students earn 6 credits for thesis research: 3 credits in UPEP 888 and 3 credits in UPEP 889; both course sections must be taken.

Urban Planning and Environmental Policy (Spatial Analysis and Mobility Planning Concentration), Master

The Master of Urban Planning and Environmental Policy (MUPEP) is a Planning Accredited Program (PAB) which trains students with the skills and knowledge necessary to be successful in planning and planning related professions. Whether desiring to become a planning generalist

or a generalist with a specialty in environmental and land use planning, community development and housing, or spatial analysis, students graduate from the MUPEP program with the skills and knowledge of equity, social justice and sustainability. We prepare students to become planners who demonstrate critical, visionary, and utopian thinking with an ability to elicit, understand, and respectfully characterize community values within planning projects.

The major objectives of the Master of Urban Planning and Environmental Policy Program are:

- To train students for professional careers in planning, allowing them to function in both generalist and specialist roles.
- To provide students with an understanding of the history and theories of cities and urban regions.
- To prepare students with life-long analytical, research, and communication skills.
- To provide students with the specific knowledge and skills needed to become successful practicing planners in a wide range of urban, metropolitan and regional planning areas.
- To provide students with scientific and technical skills that can be applied professionally to solve problems of both the built and natural environments.

Degree Requirements

The program requires 48 credits. Of those, twenty-four (24) are required core courses. In addition to the core requirements, students are required to take twelve (12) credits in specialization courses. The remaining twelve (12) credits are for elective courses.

With Department approval, it is possible to transfer up to 6 credit hours taken in another graduate program. Only courses with a B or higher grade will be considered and the course content must be relevant to the MUPEP degree.

The MUPEP program does not grant credit for courses completed for a prior earned degree.

All students, except for students completing a thesis, must satisfy the internship requirement and pass the comprehensive exit examination.

Specializations

All students must take 12 credit hours within one of the three specializations offered: (a) Sustainable Environmental and Land Use Planning, (b) Community Development and Housing, or (c) Spatial Analysis and Mobility Planning.

Sustainable Environmental and Land Use Planning Specialization

The Sustainable Environmental and Land Use Planning specialization provides planners with conceptual and methodological skills to manage both the built and natural environments in order to promote sustainable and equitable urban development. Issues include: waste management, flooding and storm water, environmental pollution, land use planning, climate change, and environmental justice. Students are required to take both:

- UPEP 750 Urban Infrastructure Planning and Policy
- UPEP 761 Land Use and Environmental Planning

and 2 courses from the following list:

- UPEP 730 Introduction to GIS in Urban Planning
- UPEP 744 Public Participation in the Planning Process
- UPEP 776 Environmental Assessment
- UPEP 767 Environmental Justice and Equity

Community Development and Housing Specialization

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- UPEP 746 Introduction to Real Estate
- UPEP 748 Methods of Land Development Project Analysis
- UPEP 750 Urban Infrastructure Planning and Policy

Spatial Analysis and Mobility Planning Specialization

The Spatial Analysis and Mobility Planning specialization focuses on the coordination and visualization of the built environment and the impacts of land use policies. The specializations combine courses that allow students to identify development needs and issues and visualize clearly desired outcomes across functional areas. Included in the concentration are a progression of GIS, analytic and visualization tools that are standard to the planning profession. Students are required to take both:

- UPEP 713 Principles of Design
- UPEP 730 Introduction to GIS in Urban Planning

and 2 courses from the following list:

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- UPEP 732 Advanced Studies in GIS
- UPEP 780 Comparative International Topics in Transportation

Electives

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2. Resume.
3. Three letters of reference from people, preferably professors from your undergraduate degree program, who know you well and can provide an evaluation of your ability to perform and succeed at the graduate level.
4. An official transcript from colleges and universities attended. Applicant's undergraduate cumulative GPA must be at least a 3.0 in the last sixty hours.
5. Written statement of purpose (500 - 750 words). Students should write an original statement of purpose indicating future goals and reasons for pursuing the Master of Urban Planning and Environmental Policy specifically at Texas Southern University.
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7. For international applicants, the following additional documentation is required:
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 - b. Applicants with a bachelor's degree or other educational credentials from a non-U.S. institution must submit an official course-by-course transcript evaluation of that degree by one of the TSU approved transcript evaluation agencies.
 - c. An affidavit of financial support as required by the Office of International Admissions.

Degree Requirements

The program requires 48 credits. Of those, twenty-four (24) are required core courses. In addition to the core requirements, students are required to take twelve (12) credits in specialization courses. The remaining twelve (12) credits are for elective courses.

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All students, except for students completing a thesis, must satisfy the internship requirement and pass the comprehensive exit examination.

Summary

Code	Title	Hours
	Core Curriculum (p. 189)	21-24
	Spatial Analysis and Mobility Planning (p. 189)	12
	Electives (p. 189)	9-12
	Thesis	0-6
	Total Hours	48

Core Requirements

Code	Title	Hours
UPEP 703	Planning Theory & Practice	3
UPEP 705	Introduction to Land Use Planning	3
UPEP 709	Principles of Planning Law	3
UPEP 719	Plan Making and Implementation	3
UPEP 725	Introduction to Statistics	3
UPEP 726	Applied Planning Methods	3
UPEP 720	Planning Studio I	3
UPEP 721	Planning Studio II (Not Required for Thesis Option)	
	Total Hours	21-24

Spatial Analysis and Mobility Planning

The Spatial Analysis and Mobility Planning area of specialization focuses on the coordination and visualization of the built environment and the impacts of land use policies. The specialization combines courses that allow students to identify development needs and issues and visualize clearly desired outcomes across functional areas. Included in the concentration are a progression of GIS, analytic and visualization tools that are standard to the planning profession. Students are required to take:

Code	Title	Hours
UPEP 713	Principles of Site Design	3
UPEP 730	Introduction to GIS Urban Pln	3
	Select two of the following:	6
UPEP 729	Urban Land Economics	3
UPEP 731	Applications of GIS Urban Planning	3
UPEP 732	Advanced Studies in GIS	3
UPEP 780	COMPARATIVE INTL TPCS IN TRANS	3
	Total Hours	12

Electives

UPEP courses outside of the student's selected concentration may count as electives. In addition, if approved by their advisor, students may take graduate courses in other departments to count towards their electives.

INTERNSHIP OPTION

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completed. At the completion of the internship, students are required to submit a report/project/journal reflective of lessons learned or internship accomplishments.

THESIS OPTION

The thesis is traditional academic research. Depending on the nature of the specific research project, the study could involve historical materials, secondary sources, create primary data, and/or explorations of planning theory. Students earn 6 credits for thesis research: 3 credits in UPEP 888 and 3 credits in UPEP 889; both course sections must be taken.

Urban Planning and Environmental Policy (Sustainable Environmental and Land Use Planning Concentration), Master

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The major objectives of the Master of Urban Planning and Environmental Policy Program are:

- To train students for professional careers in planning, allowing them to function in both generalist and specialist roles.
- To provide students with an understanding of the history and theories of cities and urban regions.
- To prepare students with life-long analytical, research, and communication skills.
- To provide students with the specific knowledge and skills needed to become successful practicing planners in a wide range of urban, metropolitan and regional planning areas.
- To provide students with scientific and technical skills that can be applied professionally to solve problems of both the built and natural environments.

Degree Requirements

The program requires 48 credits. Of those, twenty-four (24) are required core courses. In addition to the core requirements, students are required to take twelve (12) credits in specialization courses. The remaining twelve (12) credits are for elective courses.

With Department approval, it is possible to transfer up to 6 credit hours taken in another graduate program. Only courses with a B or higher grade will be considered and the course content must be relevant to the MUPEP degree.

The MUPEP program does not grant credit for courses completed for a prior earned degree.

All students, except for students completing a thesis, must satisfy the internship requirement and pass the comprehensive exit examination.

Specializations

All students must take 12 credit hours within one of the three specializations offered: (a) Sustainable Environmental and Land Use Planning, (b) Community Development and Housing, or (c) Spatial Analysis and Mobility Planning.

Sustainable Environmental and Land Use Planning Specialization

The Sustainable Environmental and Land Use Planning specialization provides planners with conceptual and methodological skills to manage both the built and natural environments in order to promote sustainable and equitable urban development. Issues include: waste management, flooding and storm water, environmental pollution, land use planning, climate change, and environmental justice. Students are required to take both:

- UPEP 750 Urban Infrastructure Planning and Policy
- UPEP 761 Land Use and Environmental Planning

and 2 courses from the following list:

- UPEP 730 Introduction to GIS in Urban Planning
- UPEP 744 Public Participation in the Planning Process
- UPEP 776 Environmental Assessment
- UPEP 767 Environmental Justice and Equity

Community Development and Housing Specialization

The Community Development and Housing specialization introduces students to the myriad of issues facing urban communities. Courses train students in the methods used to assess the potential need and impact of housing and community improvement projects the surrounding residents. Students are required to take both:

- UPEP 740 Community Development in the Urban Milieu
- UPEP 742 Housing Policy: Context and Impact

and 2 courses from the following list:

- UPEP 744 Public Participation in the Planning Process
- UPEP 746 Introduction to Real Estate
- UPEP 748 Methods of Land Development Project Analysis
- UPEP 750 Urban Infrastructure Planning and Policy

Spatial Analysis and Mobility Planning Specialization

The Spatial Analysis and Mobility Planning specialization focuses on the coordination and visualization of the built environment and the impacts of land use policies. The specializations combine courses that allow students to identify development needs and issues and visualize clearly desired outcomes across functional areas. Included in the concentration are a progression of GIS, analytic and visualization tools that are standard to the planning profession. Students are required to take both:

- UPEP 713 Principles of Design
- UPEP 730 Introduction to GIS in Urban Planning

and 2 courses from the following list:

- UPEP 729 Urban Land Economics
- UPEP 731 Applications of GIS in Urban Planning
- UPEP 732 Advanced Studies in GIS
- UPEP 780 Comparative International Topics in Transportation

Electives

All students must take four elective courses (12 credit hours). They may select from any UPEP 7xx course that is not used to fulfill their core or specialization requirements. Alternatively, with the approval of their advisor, students may take program-related graduate courses in other Texas Southern University graduate programs or at other institutions.

Internships

All students, except for students completing a thesis, must satisfy the internship requirement. The internship option is designed for those going directly into practice and want to gain exposure in the field prior to graduation. Students enroll in UPEP 795 and identify an opportunity to work in a planning capacity over the course of 120 hours. A letter of offer is required that identifies responsibilities and the number of hours to be completed. At the completion of the internship, students are required to submit a report/project/journal reflective of lessons learned or internship accomplishments.

Thesis

The thesis is traditional academic research. Depending on the nature of the specific research project, the study could involve historical materials, secondary sources, create primary data, and/or explorations of planning theory. Students earn 6 credits for thesis research: 3 credits in UPEP 888 and 3 credits in UPEP 889; both course sections must be taken.

ADMISSION CRITERIA

The Master of Urban Planning and Environmental Policy requires a bachelor's degree from an accredited college or university and a satisfactory academic record. To apply to the program, the following is required:

1. Online TSU Graduate School Application.
2. Resume.
3. Three letters of reference from people, preferably professors from your undergraduate degree program, who know you well and can provide an evaluation of your ability to perform and succeed at the graduate level.
4. An official transcript from colleges and universities attended. Applicant's undergraduate cumulative GPA must be at least a 3.0 in the last sixty hours.
5. Written statement of purpose (500 - 750 words). Students should write an original statement of purpose indicating future goals and reasons for pursuing the Master of Urban Planning and Environmental Policy specifically at Texas Southern University.
6. Graduate Record Examination scores from the GRE General Test must be submitted by all applicants. Only scores for tests taken within 5 years prior to the entrance term are considered valid.
7. For international applicants, the following additional documentation is required:
 - a. Official TOEFL (Test of English as a Foreign Language) score is required for applicants whose native language is not English, unless the applicant has received an undergraduate degree from a U.S. college or university. A TOEFL score of at least 550 on the

paper-based test or 213 on the computer-based test or 79 on the Internet-based test is required. An official IELTS score can be submitted in lieu of TOEFL in which case a minimum overall band score of 6.0 is required.

- b. Applicants with a bachelor's degree or other educational credentials from a non-U.S. institution must submit an official course-by-course transcript evaluation of that degree by one of the TSU approved transcript evaluation agencies.
- c. An affidavit of financial support as required by the Office of International Admissions.

DEGREE REQUIREMENTS

The program requires 48 credits. Of those, twenty-four (24) are required core courses. In addition to the core requirements, students are required to take twelve (12) credits in specialization courses. The remaining twelve (12) credits are for elective courses.

With Department approval, it is possible to transfer up to 6 credit hours taken in another graduate program. Only courses with a B or higher grade will be considered and the course content must be relevant to the MUPEP degree. The MUPEP program does not grant credit for courses completed for a prior earned degree.

All students, except for students completing a thesis, must satisfy the internship requirement and pass the comprehensive exit examination.

Summary

Code	Title	Hours
	Core Curriculum (p. 191)	21-24
	Sustainable Environmental and Land Use Planning (p. 191)	12
	Electives (p. 192)	9-12
	Thesis	0-6
Total Hours		48

Core Requirements

Code	Title	Hours
UPEP 703	Planning Theory & Practice	3
UPEP 705	Introduction to Land Use Planning	3
UPEP 709	Principles of Planning Law	3
UPEP 719	Plan Making and Implementation	3
UPEP 725	Introduction to Statistics	3
UPEP 726	Applied Planning Methods	3
UPEP 720	Planning Studio I	3
UPEP 721	Planning Studio II (Not Required for Thesis Option)	
Total Hours		21-24

Sustainable Environmental and Land Use Planning

The Sustainable Environmental and Land Use Planning area of specialization provides planners with conceptual and methodological skills to manage both the built and natural environments in order to promote sustainable and equitable urban development. Issues include: waste management, flooding and storm water, environmental pollution, land use planning, climate change, and environmental justice. Students are required to take:

Code	Title	Hours
UPEP 750	Urban Infrastructure Planning and Policy	3
UPEP 761	Land Use and Environmental Planning	3
Select two of the following:		6
UPEP 730	Introduction to GIS Urban Pln	3
UPEP 744	Citizen Part in Pln Process	3
UPEP 776	Environmental Assessment	3
UPEP 763	Environmental Planning and Policy	3
Total Hours		12

Electives

UPEP courses outside of the student's selected concentration may count as electives. In addition, if approved by their advisor, students may take graduate courses in other departments to count towards their electives.

INTERNSHIP OPTION

All students, except for students completing a thesis, must satisfy the internship requirement. The internship option is designed for those going directly into practice and want to gain exposure in the field prior to graduation. Students enroll in UPEP 795 and identify an opportunity to work in a planning capacity over the course of 120 hours. A letter of offer is required that identifies responsibilities and the number of hours to be completed. At the completion of the internship, student are required to submit a report/project/journal reflective of lessons learned or internship accomplishments.

THESIS OPTION

The thesis is traditional academic research. Depending on the nature of the specific research project, the study could involve historical materials, secondary sources, create primary data, and/or explorations of planning theory. Students earn 6 credits for thesis research: 3 credits in UPEP 888 and 3 credits in UPEP 889; both course sections must be taken.

Urban Planning and Environmental Policy, Doctor of Philosophy

For individuals wishing to pursue careers in university teaching, research, or highly specialized practice, the Doctor of Philosophy (PhD) in Urban Planning and Environmental Policy provides advanced knowledge, skills, and extensive experience working closely with faculty in teaching and research. The program is designed to foster competencies necessary for the critical examination of the nature of urban planning and environmental policy. Offered by an interdisciplinary faculty, the program emphasizes preparation in research methods, spatial and regional analysis, development theory, historical processes, analytic and policy formulation skills, and the critical appraisal of alternative causes of change.

Requirements for Admission

Admission to the Urban Planning and Environmental Policy Doctoral Program will be granted to a small group each year, selected from those who will be judged most likely to achieve eminence in the field. To be considered:

1. The prospective student must have a bachelor's degree in an appropriate field or an equivalent field acceptable to the admissions committee.

2. Master's degree must have an acceptable cumulative grade point average of 3.3.
3. Applicants must present Graduate Record Examination (GRE) General Test scores. Only scores for tests taken within 5 years prior to initial application are considered valid.
4. For international applicants, the following additional documentation is required:
 - a. Official TOEFL (Test of English as a Foreign Language) score is required for applicants whose native language is not English, unless the applicant has received an undergraduate degree from a U.S. college or university. A TOEFL score of at least 550 on the paper-based test or 213 on the computer-based test or 79 on the Internet-based test is required. An official IELTS score can be submitted in lieu of TOEFL in which case a minimum overall band score of 6.0 is required.
 - b. Applicants with a bachelor's degree or other educational credentials from a non-U.S. institution must submit an official course-by-course transcript evaluation of that degree by one of the TSU approved transcript evaluation agencies.
 - c. An affidavit of financial support as required by the Office of International Admissions.
5. An interview with members of the Urban Planning and Environmental Policy Program's Admission Committee will be required of applicants. Committee will coordinate scheduling after receiving a complete application.

All applicants admitted to the PhD degree program must have a minimum of 12 master's level credit hours in urban planning and environmental policy or related areas. Otherwise, they must satisfy this requirement before achieving full admission into the PhD Program.

A complete application includes the following:

1. On-line TSU Graduate School Application.
2. Statement of interest (minimum of 500 words and not to exceed 1500 words) The essay must address:
 - a. Why you are interested in pursuing a Ph.D. in Urban Planning and Environmental Policy
 - b. Why you have selected TSU to pursue the Ph.D.
 - c. Your potential research interest
3. Resume
4. Professional writing sample
 - a. Published work (indicate contribution or role), or
 - b. Academic paper from master's degree, or
 - c. Technical report, or
 - d. If none of the above are available, the committee will provide a preestablished topic to be researched and submitted
5. At least three (3) recommendations from persons qualified to give an evaluation of the applicant's past scholastic performance, research abilities, and personal motivation. Letters should be no older than six months old at time of submission.
6. An official transcript of credits earned at all colleges and/or universities attended by the applicant.
7. Graduate Record Examination scores from the GRE General Test must be submitted by all applicants. Only scores for tests taken within 5 years prior to the entrance term are considered valid.
8. For international applicants, the following additional documentation is required:

- a. Official TOEFL (Test of English as a Foreign Language) score is required for applicants whose native language is not English, unless the applicant has received an undergraduate degree from a U.S. college or university. A TOEFL score of at least 550 on the paper-based test or 213 on the computer-based test or 79 on the Internet-based test is required. An official IELTS score can be submitted in lieu of TOEFL in which case a minimum overall band score of 6.0 is required.
 - b. Applicants with educational credentials from a non-U.S. institution must submit an official course-by-course transcript evaluation of that degree by one of the TSU approved transcript evaluation agencies.
 - c. An affidavit of financial support as required by the Office of International Admissions.
9. A non-refundable application fee.

Degree Requirements

The overall requirements for the Doctor of Philosophy in Urban Planning and Environmental Policy are summarized as follows:

1. Completion of a total of fifty-four (54) credit hours. Of the 54 credit hours, twenty-one (21) credit hours are required core courses. In addition to the core requirements, students are required to take twelve (12) hours of their specialization and nine (9) hours of elective. The remaining credit hours are dissertation credits.
2. Of the total 54 credit hours, not more than six (6) non-dissertation credit hours can be transferred into the program from another university. Such transferred credits must have been earned in a doctoral program and must be of grade "B" (3.0) or better.
3. Passing of the comprehensive examination.
4. Completion of residency requirement.
5. Presentation and acceptance of dissertation proposal.
6. Successful completion and oral defense of the dissertation.
7. Presentation of at least one paper at a national conference or publication in a refereed journal.

Comprehensive Examination

The purpose of the comprehensive examination is to test the student's level of understanding in the areas of urban and regional theory, planning theory, quantitative methods, and environmental planning and policy. This examination is designed to evaluate the student's technical, diagnostic, and evaluative abilities within selected areas related to planning. Students are assigned to take the examination after the completion of all PhD course work. Any student who fails the comprehensive examination will have only one (1) chance for a retake.

Number of Times Comprehensive Can be Taken

A candidate will be given two attempts to take and pass the Comprehensive Examination. A doctoral student who fails the comprehensive examination the first time may petition for a second examination. The petition must show a plan of action in which the petitioner will engage to enhance his/her chances for satisfactorily completing the examination that was not passed. The exam committee and Department Chair must approve the petition. A student who fails to pass the doctoral comprehensive exam or any part of it after the second attempt will be automatically dismissed as a student in the doctoral degree program.

Doctoral Candidacy

The doctoral student must satisfy the following requirements before he/she can be admitted to candidacy for the degree:

1. Be admitted unconditionally to the Doctor of Philosophy in Urban Planning and Environmental Policy (UPEP) degree program.
2. Satisfy the residency requirement of two consecutive semesters of full-time (9 credit hours) residence or an approved equivalence.
3. Satisfy the course requirements for the degree program in which he/she enrolled, including the forty-two (42) non-dissertation semester hours of approved graduate-level course work.
4. Pass the doctoral comprehensive examination.

Dissertation and Oral Defense

The dissertation serves a number of purposes, among them, satisfying the academic community, the university, and the supervisory committee that the student is capable of undertaking and successfully completing independent, scholarly research on a problem of significance to urban planning and environmental policy. Hence, concerted work on the dissertation will not begin until the student has passed the comprehensive examination. A successful dissertation will require original research and will be expected to produce significant advances in knowledge of the field.

After achieving candidacy, the candidate in consultation with the advisor will select and submit for approval the names of members for a dissertation committee to the Dean of the Graduate School. The committee will consist of at least three graduate faculty members, inclusive of the dissertation Chair. The Chair must be a faculty member from the UPEP Department.

In addition, the Dean of the School of Public Affairs will appoint a graduate school representative to the committee. When the dissertation proposal has been defended and approved the dissertation committee, the candidate will prepare a dissertation and upon its completion, give an oral defense before the committee. If the defense fails, the candidate must petition the Dean through his department for permission to make a second defense. A second defense will not be permitted within a period of one semester after a failure is recorded on the first attempt.

Dissertation

The dissertation serves a number of purposes, among them, satisfying the academic community, the university, and the supervisory committee that the student is capable of undertaking and successfully completing independent, scholarly research on a problem of significance to urban planning and environmental policy. Hence, concerted work on the dissertation will not normally begin until the student has passed the comprehensive examination. A successful dissertation will require original research and will be expected to produce significant advances in knowledge of the subject.

Time Limit for the Completion of the Doctor of Philosophy Degree

After being admitted to a program leading to the Doctor of Philosophy degree, a student will be allowed seven calendar years in which to complete all the program requirements.

A student's Doctoral Degree Advisory Committee and the Dean of the Graduate School can approve, under extenuating circumstances, continuation in the doctoral degree program beyond the seven-year limit. The maximum time allowed to complete the doctoral program,

including an approved extension, is nine (9) calendar years. This time limit does not include work performed as part of the requirements for the master's degree. Credits earned more than seven (7) years prior to the date of completion of doctoral degree requirements cannot count toward satisfying the doctoral degree requirements, unless a student has been given special permission by the Dean of the Graduate School.

Standards of Performance

To continue in the program, a student must make reasonable and timely progress toward the degree in terms of course work completed and examinations. A determination that a student is not making satisfactory progress and should be terminated from the program may be made at several points in his or her program, including failure to achieve and maintain a doctoral GPA of at least 3.00, failure to pass twelve (12) credit hours within a twelve-month period, failure of the qualifying or comprehensive examinations, or failure to defend successfully a dissertation proposal or dissertation. In all such cases, a recommendation of dismissal must be made to the Admission Committee and Program Coordinator, both of whom will review the case and issue a final decision regarding termination from the program.

All doctoral students in urban planning and environmental policy will be required to take twenty-one (21) semester credit hours of core courses in three (3) areas (Sustainable Environmental and Land Use Planning, Community Development and Housing, Spatial Analysis and Mobility Planning) and participate in the doctoral research curriculum. The core curriculum is designed to provide all students with a general introduction to planning through analytical methods, planning techniques and environmental issues and policies. The core curriculum consists of twenty-one (21) hours as shown below:

Code	Title	Hours
Core courses		21
Specialization/Electives		21
Dissertation		12
Total Hours		54

Core Curriculum Requirements

All doctoral students in urban planning and environmental policy will be required to take twenty-one (21) semester credit hours of core courses in three (3) areas (planning theory, methods and planning, and environmental policy) and participate in the doctoral research curriculum. The core curriculum is designed to provide all students with a general introduction to planning through analytical methods, planning techniques and environmental issues and policies. The core curriculum will consists of twenty-one (21) hours as shown below:

Code	Title	Hours
Planning Theory Requirements		
UPEP 900	Adv Pln Theory & Prac	3
UPEP 901	Adv Urb Theory	3
Methods and Planning Requirements		
UPEP 902	Adv Pln Analysis	3
UPEP 903	Adv Pln Analysis II: Stats	3
Environmental Policy Requirements		
UPEP 763	Environmental Planning and Policy	3
UPEP 765	Env Pln & Natural Res Mgmt	3

UPEP 770	Environmental Monitoring & Analysis	3
Total Hours		21

College of Science, Engineering and Technology

Mission Statement

The College of Science, Engineering and Technology at Texas Southern University is dedicated to integrating sciences and contemporary technologies, through education, scholarly activities, and community service, and meeting the needs of a diverse graduate and undergraduate student population while addressing critical urban issues within a global economy.

As an instructional agent of the University, the College of Science, Engineering and Technology has an additional service mission as stated below:

- 1. To provide students of varied scholastic levels access to higher education by providing the academic foundations necessary for accessing educational programs at the University.
- 2. To prepare competent professionals and leaders capable of providing effective service and developing solutions to the problems of the nation and the world, especially in urban environs.

In pursuing its missions, the College embraces the following goals:

- 1. Provide high quality instruction
- 2. Perform basic and applied research
- 3. Engage in community service
- 4. Optimize enrollment of college-ready undergraduate students and enhance graduate student enrollment
- 5. Strive for steady increase in external funding
- 6. Ensure that the College's administrative units function effectively and efficiently so that they support the mission of the College and the University

Admission Policies

Applicants wishing to enroll in one of the programs of study leading to graduate degrees offered through the College of Science, Engineering and Technology must gain admission to Texas Southern University through adherence to the policies and procedures established by the Graduate School.

Student Organizations

Student participation in a number of professional organizations and societies having student affiliated chapters on the Campus is encouraged. The principle organizations operating in the College are listed below:

- American Chemical Society Student Chapter (ACS)
- Beta Beta Beta Biological Honor Society
- Beta Kappa Chi Scientific Honor Society
- Chinese Students and Scholars Association (CSSA)
- Conference of Minority Transportation Officials (COMTO)
- Cyber Internet Security Student Association
- Environmental Student Club (ESC)
- Environmental Toxicology Graduate Students Association (ETGSA)

- Institute of Transportation Engineers (ITE)
- Intelligent Transportation Society of Texas (ITSA), TSU Student Chapter
- Mobil Application Development (MAD) Group
- National Organization for the Professional Advancement of Black Chemists and Chemical Engineers (NOBCCHE)
- National Society of Black Engineers (NSBE) Student Chapter
- National Technical Association (NTA) TSU Student Chapter
- Texas Southern Computing Society (TSCS)
- Texas Southern University Student Chapter of Society of Environmental Toxicology and Chemistry (SETAC)
- Texas Southern University Society of Young Engineers (SYE)

Students should seek additional information on these organizations through the Office of the Dean or through the Department offices in the College.

- Biology, Master of Science (p. 197)
- Chemistry, Master of Science (p. 200)
- Computer Science Plan A. (Thesis Option), Master of Science (p. 203)
- Computer Science Plan B. (Non-Thesis option), Master of Science (p. 204)
- Environmental Toxicology (Non-Thesis Option), Master of Science (p. 210)
- Environmental Toxicology (Thesis Option), Master of Science (p. 211)
- Environmental Toxicology, Doctor of Philosophy (p. 212)
- Mathematics, Masters of Science (p. 218)
- Transportation Planning and Management (Non-Thesis Option), Master of Science (p. 222)
- Transportation Planning and Management (Thesis Option), Master of Science (p. 225)

Department of Biology

The Department of Biology offers one graduate degree, the Masters of Science in Biology. This degree is primarily designed to:

1. Prepare students who will seek further advanced (e.g., Doctor of Philosophy (Ph.D.) degrees in related areas of research specialization in the biological sciences.
2. Prepare those who wish to teach biology in public and private schools and two- and four-year colleges and universities.
3. In collaboration with the Department of Curriculum and Instruction, prepare teachers interested in achieving professional certification for teacher of biology at the secondary school level.
4. Prepare those who wish to seek career advancement in government, industry and related areas with applicable, research-based credentials.

In summary, this program is designed to provide instructional enhancement to meet the needs of teachers, practitioners, and others who wish to supplement their undergraduate education and expand their research capabilities in biology through study beyond the master's degree.

- Biology, Master of Science (p. 197)

Advanced Undergraduate/Graduate

BIOL 452 Intermediary Cellular Metabol (3 Credits)

Lecture: 3, **Lab:** 0

Intermediary and Cellular Metabolism (3) Quantitative bioenergetics; patterns of breakdown and synthesis of cellular metabolite; metabolic and hormonal regulations; integration and pathological disorders; and relevance of metabolism to medicine. Three hours of lecture per week. Prerequisite: BIOL 340.

Prerequisite(s): BIOL 340

College/School: Col of Science, Engr & Tech

Department: Department of Biology

Graduate

BIOL 526 Topics In Biology (3 Credits)

Lecture: 3, **Lab:** 0

Topics in Biology (3) Discussion of published papers covering a broad spectrum of biological disciplines. Three (3) hours of lecture a week. (Prerequisite: Graduate standing in biology, chemistry or toxicology).

College/School: Col of Science, Engr & Tech

Department: Department of Biology

BIOL 527 Adv Plant Physiology (3 Credits)

Lecture: 3, **Lab:** 0

Advanced Plant Physiology (3) Consideration of the chemistry and biochemistry of plant growth and development with emphasis on growth regulators, plant mineral nutrition, nitrogen-fixation, photosynthesis and photoperiodism. Three (3) hours of lecture a week. (Prerequisite: Graduate standing in biology, chemistry or toxicology).

College/School: Col of Science, Engr & Tech

Department: Department of Biology

BIOL 528 Hist Of Sciences (2 Credits)

Lecture: 2, **Lab:** 0

College/School: Col of Science, Engr & Tech

Department: Department of Biology

BIOL 534 Entomology (3 Credits)

Lecture: 2, **Lab:** 3

College/School: Col of Science, Engr & Tech

Department: Department of Biology

BIOL 534L Entomology Lab (0 Credits)

Lecture: 0, **Lab:** 0

College/School: Col of Science, Engr & Tech

Department: Department of Biology

BIOL 623 Neurobiology (3 Credits)

Lecture: 3, **Lab:** 0

Neurobiology (3) Structure and function of the brain and of the nervous system as a whole with emphasis on cellular and molecular mechanisms. Lectures, discussion, student reports. Three (3) hours of lecture per week. (Prerequisite: Graduate standing in biology)

College/School: Col of Science, Engr & Tech

Department: Department of Biology

BIOL 631 Diagnostic Bacteriology (3 Credits)

Lecture: 3, **Lab:** 0

Diagnostic Bacteriology (3) Fundamental training in isolation and identification of microorganisms obtained from a clinical laboratory specimen. One (1) hour of lecture per week and two (2) three-hour laboratory classes. (Prerequisite: BIOL 347)

Prerequisite(s): (BIOL 347)

College/School: Col of Science, Engr & Tech

Department: Department of Biology

BIOL 631L Diag Bact Lab (0 Credits)**Lecture:** 0, **Lab:** 0**College/School:** Col of Science, Engr & Tech**Department:** Department of Biology**BIOL 636 Endocrinology (3 Credits)****Lecture:** 3, **Lab:** 0

Endocrinology (3) Through lectures and discussions an examination of the glands of internal secretion with special reference to humans. Three (3) hours of lecture per week. (Prerequisite: Graduate standing in biology)

College/School: Col of Science, Engr & Tech**Department:** Department of Biology**BIOL 645 Animals In Biomed Research (4 Credits)****Lecture:** 2, **Lab:** 3**College/School:** Col of Science, Engr & Tech**Department:** Department of Biology**BIOL 645L Animals Biomed Res Lab (0 Credits)****Lab:** 0**College/School:** Col of Science, Engr & Tech**Department:** Department of Biology**BIOL 647 Experimental Biology (4 Credits)****Lecture:** 2, **Lab:** 6

Experimental Biology I (4) Current topics in biological research utilizing published literature as lecture material and as the basis for student presentations and experimentation. One (1) hour of lecture and four (4) hours of laboratory a week. (Prerequisite: Graduate standing in biology.)

College/School: Col of Science, Engr & Tech**Department:** Department of Biology**BIOL 647L Experimental Biol Lab (0 Credits)****Lecture:** 0, **Lab:** 0**College/School:** Col of Science, Engr & Tech**Department:** Department of Biology**BIOL 648 Experimental Biology (4 Credits)****Lecture:** 2, **Lab:** 6

Experimental Biology II (4) A continuation of Biology 647, emphasizing the application of modern biological, chemical and physical methods to the study of the biological sciences. One (1) hour of lecture and four (4) hours of laboratory a week. (Prerequisite: Graduate standing in biology)

College/School: Col of Science, Engr & Tech**Department:** Department of Biology**BIOL 648L Experimental Biol Lab (0 Credits)****Lecture:** 0, **Lab:** 0**College/School:** Col of Science, Engr & Tech**Department:** Department of Biology**BIOL 650 Enzymology (3 Credits)****Lecture:** 3, **Lab:** 0

Enzymology (3) A study of enzyme classification, structure, kinetic models, rapid and relaxation kinetics for complex enzyme mechanisms. Three (3) hours of lecture. (Prerequisite: Graduate standing in biology)

College/School: Col of Science, Engr & Tech**Department:** Department of Biology**BIOL 710 Microbial Genetics (3 Credits)****Lecture:** 3, **Lab:** 0

Microbial Genetics (3) An examination of the nature, expression and regulation of the genetic process in microorganisms. Three (3) hours of lecture a week; (Prerequisite: Graduate standing in biology).

College/School: Col of Science, Engr & Tech**Department:** Department of Biology**BIOL 712 Biosynthetic Mech (3 Credits)****Lecture:** 3, **Lab:** 0

Biosynthetic Mechanisms (3) Molecular processes involved in the DNA function, biosynthesis replication, translation, transcription; biochemical mechanisms in RNA synthesis and protein biosynthesis. Molecular aspects of evolution and carcinogenesis. Three (3) hours of lecture a week. (Prerequisite: Graduate standing in biology)

College/School: Col of Science, Engr & Tech**Department:** Department of Biology**BIOL 715 Advanced Human Genetics (3 Credits)****Lecture:** 3

Advanced Human Genetics (3) Comprehensive treatment of various normal aspects of human heredity as well as those aspects due to abnormal inheritance causing malfunctioning in metabolism. Three (3) hours of lecture a week. (Prerequisite: Graduate standing in biology)

College/School: Col of Science, Engr & Tech**Department:** Department of Biology**BIOL 725 Biochemical Ecology (3 Credits)****Lecture:** 3, **Lab:** 0

Biochemical Ecology (3) An advanced in depth biochemical study of structure and function of ecosystems and of their changes due to natural and anthropogenic causes. Three (3) hours of lecture a week. (Prerequisite: Graduate standing in biology, chemistry, or toxicology)

College/School: Col of Science, Engr & Tech**Department:** Department of Biology**BIOL 735 Tech in Electron Microscopy (4 Credits)****Lecture:** 4**College/School:** Col of Science, Engr & Tech**Department:** Department of Biology**BIOL 775 Bio-Organic Chemistry (3 Credits)****Lecture:** 3, **Lab:** 0

Bio-Organic Chemistry (3) A comprehensive treatment of the structure and function of various organic compounds occurring in living organisms. Three (3) hours of lecture a week. (Prerequisite: Graduate standing in biology, chemistry, or toxicology)

College/School: Col of Science, Engr & Tech**Department:** Department of Biology**BIOL 777 Biophysics (3 Credits)****Lecture:** 3, **Lab:** 0

Biophysics (3) A comprehensive treatment of the concepts in physics and physical chemistry as applicable to biological systems. Three (3) hours of lecture a week. (Prerequisite: Graduate standing in biology or chemistry)

College/School: Col of Science, Engr & Tech**Department:** Department of Biology**BIOL 785 Adv Plant Physic & Biochem (3 Credits)****Lecture:** 3, **Lab:** 0

Advanced Plant Physiology and Plant Biochemistry (3) An indepth treatment of photosynthesis, photoperiodism, nitrogen-fixation and plant molecular biology. Three (3) hours of lecture a week. (Prerequisite: Graduate standing in biology)

College/School: Col of Science, Engr & Tech**Department:** Department of Biology

BIOL 795 Graduate Biology Seminar (3 Credits)**Lecture:** 3, **Lab:** 0

Graduate Biology Seminar (3) Review and indepth critical discussion of current published papers in selected areas of biological and biochemical sciences. Three (3) hours of presentation a week. (Prerequisite: Graduate standing in biology, chemistry, or toxicology)

College/School: Col of Science, Engr & Tech**Department:** Department of Biology**BIOL 861 Research Problems I (3 Credits)****Lecture:** 0, **Lab:** 0

Research Problems (3) An individual investigation of a specific research problem in biological sciences through literature search and laboratory experimentation. Consent of the Department. Supervised by members of the Graduate Faculty.

College/School: Col of Science, Engr & Tech**Department:** Department of Biology**BIOL 862 Research Problems II (3 Credits)****Lecture:** 0, **Lab:** 0

Research Problems II (3) A continuation of BIOL 861. Required of all candidates for the degree of Master of Science in Biology. An individual investigation of a specific research problem in biological sciences through literature search and laboratory experimentation. Consent of the Department. Supervised by members of the Graduate Faculty. (Prerequisite: BIOL 861).

Prerequisite(s): (BIOL 861)**College/School:** Col of Science, Engr & Tech**Department:** Department of Biology**BIOL 6331 Advanced Cell Biology (3 Credits)****Lecture:** 3

Intensive exploration of the molecular mechanisms involved in eukaryotic cell. Students will gain an understanding of the complexities of cell through exploration of topics related to biological chemistry, cell structure and function, cellular metabolism, and genetics. The course is presented in one three-hour lecture per week.

College/School: Col of Science, Engr & Tech**Department:** Department of Biology**BIOL 6332 Advanced Bioinformatics (3 Credits)****Lecture:** 3

To expose students to computer-based programs useful for big data proc. Useful for processing high-throughput big data, data mining and fundamental procedures that help in understanding and characterizing biological systems. Lectures, demonstrations and student interactions using online computer tools to interrogate Big data generated from biological systems.

College/School: Col of Science, Engr & Tech**Department:** Department of Biology**BIOL 6352 Principles of Biochemistry (3 Credits)****Lecture:** 3

Detailed and advanced exploration of molecular composition, molecular mechanisms of energy changes, enzyme function, metabolism in eukaryotic cells, and its regulation. Some implications in the mechanism of diseases based on metabolic disorders will be covered.

College/School: Col of Science, Engr & Tech**Department:** Department of Biology**BIOL 6354 Cancer Biology (3 Credits)****Lecture:** 3

Examines the biology of cancer. Includes lectures and student presentations. Emphasis is on molecular and cellular events, such as cell cycle regulation, telomerase activity, cell signaling, growth factors and receptors, cancer metabolism and the Warburg effect, cell death. The latest approaches to cancer treatment will also be examined.

College/School: Col of Science, Engr & Tech**Department:** Department of Biology

Biology, Master of Science

Admission Requirements

In addition to meeting the previously stated general requirements for admission to the Graduate School of Texas Southern University, applicants for admission to graduate standing within the department must present verified proof of having completed the following:

1. Graduation with a Bachelor of Science Degree in a Biological Science or related academic area.
2. A satisfactory sequence of courses in the natural and physical sciences to minimally include the following:

Code	Title	Hours
Biology		
	Thirty-one semester credit hours of biology coursework	31
Chemistry		
	General Chemistry with laboratory	8
	Organic Chemistry with laboratory	8
Mathematics		
	College Algebra	3
	Pre-Calculus	3
	Calculus	4
Physics		
	College or University Physics I and II with laboratory	8

3. An undergraduate grade point average (GPA) of 3.0 on a 4.0 system. Transcripts from international academic institutions must have been evaluated by a TSU approved transcript evaluation provider (detailed course-by-course evaluation required).

Degree Requirements

1. A Comprehensive Examination based upon a required core set of courses offered during the first year in the M.S. Program. This examination is to be given during the third semester following their admission into the graduate program. Students must achieve a minimum passing score of 70 percent on each of the major areas covered. If a score of less than 70 percent is earned in any of the major areas, a retest will be given in said area. Additionally, students not meeting this standard will not be allowed to proceed to the research phase of the program.
2. Demonstration of proficiency in English prior to admission to candidacy either by a score of 3.5 on the analytical writing section of the GRE or by satisfactory performance in English 501. GRE or English requirements must be met by the end of the first semester of admission.
3. A minimum of thirty (30) semester credit hours, six (6) of which must be earned in research.

- 4. During the first semester after entering the program, the student should consult with the graduate faculty with the goal of selecting a mentor and laboratory for research studies.
- 5. Once a committee has been chosen, students should meet with their thesis committee members on a regular basis throughout their research study. Students must meet with set committee at the end of the semester prior to their thesis defense.
- 6. An acceptable thesis resulting from approved, independently conducted and lab-based research. The thesis research may not be initiated prior to admission to candidacy, and it remains the responsibility of the student to seek acceptance into ongoing research efforts led by research mentors.
- 7. Completion and presentation (through an oral defense) of one's thesis to a committee composed of members of the Departmental Graduate faculty and a representative of the Graduate School.

In addition to the program described above for the Master of Science degree, the Department of Biology, in cooperation with the Department of Curriculum and Instruction in the College of Education, participates in a program for teachers interested in achieving professional certification for teachers of biology at the secondary school level.

The Department of Biology offers the Master of Science degree, which requires a minimum of thirty (30) semester credit hours including an acceptable research project. Students must meet the general requirements for all graduate students as prescribed in this bulletin. Degree plans must be approved by the graduate program advisor prior to submission to the Graduate School.

This program is designed to provide instructional enhancement to meet the needs of teachers, practitioners and others who wish to supplement their undergraduate education and expand their research capabilities in biology through study beyond the master's degree.

Summary

Code	Title	Hours
Core Curriculum Requirements (p. 198)		6
Electives (p. 198)		18
Thesis (p. 198)		6
Total Hours		30

Core Curriculum

Code	Title	Hours
BIOL 452	Intermediary Cellular Metabol ¹	3
BIOL 715	Advanced Human Genetics	3
Total Hours		6

1

BIOL 452 Intermediary Cellular Metabol is an advanced undergraduate course and will be offered temporarily as part of the Core Curriculum until a more permanent replacement is assigned.

Electives

Code	Title	Hours
Select eighteen (18) credits from the following:		18
BIOL 526	Topics In Biology	
BIOL 527	Adv Plant Physiology	
BIOL 534	Entomology	

BIOL 631	Diagnostic Bacteriology
BIOL 623	Neurobiology
BIOL 636	Endocrinology
BIOL 647	Experimental Biology
BIOL 648	Experimental Biology
BIOL 650	Enzymology
BIOL 710	Microbial Genetics
BIOL 712	Biosynthetic Mech
BIOL 725	Biochemical Ecology
BIOL 775	Bio-Organic Chemistry
BIOL 785	Adv Plant Physic & Biochem
BIOL 795	Graduate Biology Seminar

Total Hours 18

Thesis

Code	Title	Hours
BIOL 861	Research Problems I	3
BIOL 862	Research Problems II	3

Total Hours 6

Degree Plan

Course	Title	Hours
First Semester		
BIOL 452	Intermediary Cellular Metabol	3
BIOL Elective		3
BIOL Elective		3
Hours		9
Second Semester		
BIOL 715	Advanced Human Genetics	3
BIOL Elective		3
BIOL Elective		3
Hours		9
Third Semester		
BIOL Elective		3
BIOL 861	Research Problems I	3
Hours		6
Fourth Semester		
BIOL Elective		3
BIOL 862	Research Problems II	3
Hours		6
Total Hours		30

Allocation of Thirty Semester Credit Hour Course Requirements

General Requirements: a minimum of thirty (30) semester credit hours, of which six (6) hours of thesis research credit should be satisfied by taking BIOL 861 and BIOL 862.

Department of Chemistry

The Department of Chemistry offers the Master of Science in Chemistry. It is designed to:

1. Prepare students for additional study toward the Ph.D. degree.
2. Prepare well-trained chemists for positions in industry and governmental agencies.
3. Provide continuing education for working chemists.
4. Provide upper-level service courses for public school and junior college teachers seeking either a professional certificate or the M.Ed. degree for teachers of chemistry offered through the College of Education.

- Chemistry, Master of Science (p. 200)

Graduate

CHEM 531 Advanced Inorganic Chemistry (3 Credits)

Lecture: 3, **Lab:** 0

ADVANCED INORGANIC CHEMISTRY (3) A study of atomic structure; chemical bonding, including valence-bond, molecular orbital, crystal field, and ligand-field theories; stereochemistry and the chemistry of coordination compounds. Three (3) lecture hours per week. (Prerequisite: Approval of the graduate advisor)

Prerequisite(s): (CHEM 232 and CHEM 332)

College/School: Col of Science, Engr & Tech

Department: Department of Chemistry

CHEM 533 Organic Reactions (3 Credits)

Lecture: 3, **Lab:** 0

ORGANIC REACTIONS (3) A detailed study of the mechanisms associated with the important substitution, elimination, and addition reactions of aliphatic and aromatic molecules. Three (3) lecture hours per week. (Prerequisite: CHEM 232)

Prerequisite(s): (CHEM 232)

College/School: Col of Science, Engr & Tech

Department: Department of Chemistry

CHEM 543 Advanced Analytical Chem (3 Credits)

Lecture: 3, **Lab:** 0

ADVANCED ANALYTICAL CHEMISTRY (3) An in-depth study of the principles of ionic equilibria, acid-base chemistry, oxidation-reduction, and precipitation as they apply to processes occurring in both aqueous and non-aqueous media. Three (3) lecture hours per week. (Prerequisite: Approval of the graduate advisor or the department chair)

Prerequisite(s): (CHEM 332)

College/School: Col of Science, Engr & Tech

Department: Department of Chemistry

CHEM 623 Topics In Chemistry (3 Credits)

Lecture: 3, **Lab:** 0

SPECIAL TOPICS (3) Consideration of special topics in chemistry. Three (3) lecture hours per week. (Prerequisite: Approval of the graduate advisor or the department chair)

Prerequisite(s): (CHEM 432)

College/School: Col of Science, Engr & Tech

Department: Department of Chemistry

CHEM 624 Topics In Chemistry (3 Credits)

Lecture: 3, **Lab:** 0

SPECIAL TOPICS (3) Consideration of special topics in chemistry. Three (3) lecture hours per week. (Prerequisite: Approval of the graduate advisor or the department chair)

Prerequisite(s): (CHEM 432)

College/School: Col of Science, Engr & Tech

Department: Department of Chemistry

CHEM 625 Spec Topics In Chem (3 Credits)

Lecture: 3, **Lab:** 0

SPECIAL TOPICS (3) Consideration of special topics in chemistry. Three (3) lecture hours per week. (Prerequisite: Approval of the graduate advisor or the department chair)

Prerequisite(s): (CHEM 432)

College/School: Col of Science, Engr & Tech

Department: Department of Chemistry

CHEM 633 Advanced Organic Chemistry (3 Credits)

Lecture: 3, **Lab:** 0

ADVANCED ORGANIC CHEMISTRY (3) A study of the mechanisms of reactions of aliphatic and aromatic molecules; both carbocyclic and heterocyclic systems are considered. The effects of changes in structure and stereochemistry on the rate of reaction are also discussed. Three (3) lecture hours per week. (Prerequisite: Approval of the graduate advisor or the department chair)

Prerequisite(s): (CHEM 432)

College/School: Col of Science, Engr & Tech

Department: Department of Chemistry

CHEM 634 Adv Organic Chem (3 Credits)

Lecture: 3, **Lab:** 0

ADVANCED ORGANIC CHEMISTRY (3) A continuation of CHEM 633. Three (3) lecture hours per week. (Prerequisite: CHEM 633)

Prerequisite(s): (CHEM 432 and CHEM 633)

College/School: Col of Science, Engr & Tech

Department: Department of Chemistry

CHEM 635 Advanced Physical Chemistry (3 Credits)

Lecture: 3, **Lab:** 0

ADVANCED PHYSICAL CHEMISTRY (3) A discussion of important concepts in thermodynamics. Three (3) lecture hours per week. (Prerequisite: Approval of the graduate advisor or the department chair)

Prerequisite(s): (CHEM 432)

College/School: Col of Science, Engr & Tech

Department: Department of Chemistry

CHEM 636 Advanced Physical Chemistry (3 Credits)

Lecture: 3, **Lab:** 0

ADVANCED PHYSICAL CHEMISTRY (3) A discussion of fundamental quantum chemistry and other advanced topics in physical chemistry. (Prerequisite: Approval of the graduate advisor or the department chair)

Prerequisite(s): (CHEM 432)

College/School: Col of Science, Engr & Tech

Department: Department of Chemistry

CHEM 861 Research Problems (3-6 Credits)

Lecture: 0, **Lab:** 0

RESEARCH PROBLEMS (3) An individual investigation of a specific problem in chemistry by laboratory experiments or by an exhaustive study of the literature. The results of this work will constitute the student's thesis for the M.S. degree. (Prerequisite: Approval of the graduate advisor or the department chair)

Prerequisite(s): (CHEM 432)

College/School: Col of Science, Engr & Tech

Department: Department of Chemistry

CHEM 8311 Independent Study I (3 Credits)**Lecture:** 3

This is a course designed for nonthesis Master of Chemistry to demonstrate the aptitude for chemistry by preparing a literature review of an in-depth topic in chemistry. (Prerequisite: six (6) credits in graduate chemistry courses completed.)

College/School: Col of Science, Engr & Tech

Department: Department of Chemistry

CHEM 8312 Independent Study II (3 Credits)**Lecture:** 3

This is a course designed for nonthesis Master of Chemistry to demonstrate the aptitude for chemistry by preparing a literature review of an in-depth topic in chemistry. (Prerequisite: CHEM 8311)

Prerequisite(s): CHEM 8311

College/School: Col of Science, Engr & Tech

Department: Department of Chemistry

Chemistry, Master of Science

Admission Criteria

In addition to the general requirements for admission to the Graduate School (see the General Information Section of this bulletin), applicants for admission to graduate standing in chemistry are expected to present evidence of having completed the following courses with the indicated semester credit hours :

Code	Title	Hours
	General chemistry with laboratory	8
	Organic chemistry with laboratory	8
	Quantitative analysis with laboratory	4
	Physical chemistry with laboratory	4
	Inorganic Chemistry	3
	Instrumental methods of analysis	3
	College Physics	6
	Calculus	8

A diagnostic examination or qualifying examination covering the fundamentals of chemistry is required of all applicants prior to official admission to candidacy for the Master of Science in Chemistry degree. Only two attempts to pass this examination are permitted.

Degree Requirements

The requirements for the Master of Science in Chemistry are summarized below:

1. Satisfactory performance on the qualifying examination.
2. Completion of a total of thirty (30) semester credit hours of graduate level courses (usually 500 level or above). A minimum of twenty-four (24) of these credit hours must be in chemistry, and six (6) hours of research (CHEM 861 Research Problems taken twice). The remaining six (6) hours may be taken in related disciplines such as biology, mathematics and/ or environmental toxicology.
3. Completion and presentation (through an oral defense) of a thesis to a committee composed of members of the Department of Chemistry and representatives of the Graduate School.
4. Fulfillment of general requirements for graduation as outlined by the Graduate School (see the General Information Section of this bulletin).

Persons wishing to acquire the Professional Certificate for Teachers of Chemistry or wishing to earn the M.Ed. for Teachers of Chemistry should contact an advisor in the College of Education.

Curriculum Summary Degree Plan

Students must meet the general requirements for all graduate students as prescribed in this bulletin. Degree Plans must be approved by the graduate program advisor prior to submission to the Graduate School.

Master of Science (Thesis)

This plan is designed to provide instructional enhancement to meet the needs of teachers, practitioners and others who wish to supplement their undergraduate education and expand their research capabilities in chemistry through study beyond the master's degree.

Allocation of Thirty Semester Hour Course Requirements Summary

General Requirements: Minimum thirty (30) semester credit hours and a research project (thesis).

Code	Title	Hours
	General Core Curriculum (p. 200)	18
	Electives (p. 200)	12
Total Hours		30

General Core Curriculum Requirements

Code	Title	Hours
CHEM 531	Advanced Inorganic Chemistry	3
CHEM 543	Advanced Analytical Chem	3
CHEM 633	Advanced Organic Chemistry	3
CHEM 635	Advanced Physical Chemistry	3
CHEM 861	Research Problems ¹	6
Total Hours		18

¹

Enroll twice

Electives

Code	Title	Hours
Select twelve credit hours from the following:		12
CHEM 445	Biochemistry ¹	
CHEM 499	Seminar ¹	
CHEM 533	Organic Reactions	
CHEM 623	Topics In Chemistry	
CHEM 624	Topics In Chemistry	
CHEM 625	Spec Topics In Chem	
CHEM 634	Adv Organic Chem	
CHEM 636	Advanced Physical Chemistry	
MATH 439	Introduction to Analysis ¹	
MATH 577	Fourier Series	
MATH 578	Laplace Transforms	
Total Hours		12

1

Undergraduate/graduate credit

Approved selected ES (Environmental Toxicology) courses.

Department of Computer Science

Computer Science, M.S.

The M.S. in Computer Science has been designed to provide a flexible graduate curriculum for students who matriculate through its associated degree program. The main objectives in offering this degree are as follows:

1. Prepare students for successful and productive careers as specialized CS professionals in industry and society.
2. Prepare students for positions in research and development (R&D) and for leadership roles in industry,
3. Prepare students to continue into advanced graduate studies (PhD) in computer science.
4. Prepare students with the necessary skills and ethics to function in a dynamic multidisciplinary technological environment and serve their community.

Students who matriculate from the Department of Computer Science Master's program will be able to:

1. formulate and solve advanced software applications;
 2. apply knowledge in a specialized area of the discipline;
 3. compile, analyze and document research literature;
 4. design and conduct research projects;
 5. communicate ideas effectively by completing a graduate project or thesis involving an investigative computer science project, together with oral and written examinations;
 6. undertake doctoral studies in the field of Computer Science
 7. understand the role, ethics and responsibility of computer scientists in society;
- Computer Science Plan A. (Thesis Option), Master of Science (p. 203)
 - Computer Science Plan B. (Non-Thesis option), Master of Science (p. 204)

CS 511 Alg Anal & Data Str (3 Credits)

Lecture: 3, **Lab:** 0

Algorithmic Analysis and Data Structures (3) Design, implementation, and analysis of abstract data types; data structures and their algorithms. Also included are data and procedural abstraction, linked lists, stacks, queues, binary trees, priority queues, heaps, searching, and sorting. Specific algorithmic design techniques to be addressed are divide and conquer, the greedy method, backtracking, branch-and-bound, and dynamic programming. Three (3) hours of lecture per week.

College/School: Col of Science, Engr & Tech

Department: Department of Computer Sci

CS 531 Comp Arch (3 Credits)

Lecture: 3, **Lab:** 0

Advanced Computer Architectures (3) Architecture of computer hardware, including memory hierarchies, I/O mechanisms, instruction set and data level parallelism, symbolic computation, multiprocessor networks and consistency, and performance modeling. Operational units and their interconnections, which result from architectural specifications are discussed. Also included are memory hierarchies, pipelining, RISC vs. CISC architectures, super scalar processors, and microprogramming. (Contemporary illustrations included). Three (3) hours of lecture per week.

College/School: Col of Science, Engr & Tech

Department: Department of Computer Sci

CS 541 Operating Systems (3 Credits)

Lecture: 3, **Lab:** 0

Advanced Operating Systems (3) Discussion of design principles and construction techniques for operating systems. Also included are kernel, process management, memory management, multi-threading, auxiliary storage management, and resource allocation. Comparative structures of different kinds of operating systems included. Three (3) hours of lecture per week.

College/School: Col of Science, Engr & Tech

Department: Department of Computer Sci

CS 545 Computer Networks (3 Credits)

Lecture: 3, **Lab:** 0

Computer Networks (3) Presentation of functions required to operate computer communications networks and methodology procedures for implementing these functions. Broad area of wireless data networks addressed. Other topics included ad hoc radio nets, wireless LAN's, 2.5 G and 3 G cellular network architectures, and Internet protocols. Main focus on the TCP and network layer. Prerequisite: consent of the instructor or undergraduate course in networking. Three (3) hours of lecture per week.

College/School: Col of Science, Engr & Tech

Department: Department of Computer Sci

CS 547 Cryptography & Comp Sec (3 Credits)

Lecture: 3

Cryptography and Computer Security (3) Fundamentals of security principles; security policies; access control systems and methodology; identification, authentication, and accountability; computational number theory and cryptography; strategies of cryptography; and methods of cryptanalysis. Implications and relationships of security in different areas discussed along with applications. Prerequisite: Consent of the instructor. Three (3) hours of lecture per week.

College/School: Col of Science, Engr & Tech

Department: Department of Computer Sci

CS 551 Theory of Computation (3 Credits)

Lecture: 3, **Lab:** 0

Theory of Computation (3) Topics include finite automata; regular sets, expressions and their properties; push-down automata; standard, universal, and linear-bounded Turing machines; relationships between formal languages and automata; Church-Turing thesis; computational view of P and NP problems, undecidability and its consequences. Three (3) hours of lecture per week.

College/School: Col of Science, Engr & Tech

Department: Department of Computer Sci

CS 553 Automata & Formal Lngs (3 Credits)**Lecture:** 3, **Lab:** 0

Formal Languages and Automata (3) In depth presentation of the foundations, design and implementation of programming languages. The major emphasis will be placed on formal specification of syntax and semantics and a variety of programming language paradigms including statement-oriented and procedural, logic, functional, object-oriented and parallel programming languages. (Prerequisite: Consent of the instructor. Three [3] hours of lecture per week.)

College/School: Col of Science, Engr & Tech**Department:** Department of Computer Sci**CS 571 Artificial Intelligence (3 Credits)****Lecture:** 3, **Lab:** 0

Artificial Intelligence (3) In-depth study of artificial intelligence (AI) systems. Specific topics include intelligent agent, problem solving, knowledge representation and reasoning, uncertain knowledge and non-monotonic reasoning, uncertain reasoning and statistical methods, planning, machine learning, natural language processing, image processing, and robotics. (Prerequisite: Consent of the instructor. Three [3] hours of lecture per week.)

College/School: Col of Science, Engr & Tech**Department:** Department of Computer Sci**CS 583 Data Mining (3 Credits)****Lecture:** 3, **Lab:** 0

Data Mining (3) Presentation of concepts of data mining, including applications, data preparation, model building and evaluation, scoring, data warehousing, architecture data capture, ETL, schema modeling, query design, and optimization. (Prerequisite: Consent of the instructor. Three [3] hours of lecture per week.)

College/School: Col of Science, Engr & Tech**Department:** Department of Computer Sci**CS 591 Web Services (3 Credits)****Lecture:** 3, **Lab:** 0

Web Services (3) Provides understanding and experience in modeling essential aspects of Web-based business application systems, including basic processes to the analyze information requirements and to design appropriate solutions leading to web-based applications in an e-business environment. Emphasis on object-oriented analysis and design, client/server system development methods, and human-computer interaction techniques. (Prerequisite: Consent of the instructor. Three [3] hours of lecture per week.)

College/School: Col of Science, Engr & Tech**Department:** Department of Computer Sci**CS 599 Graduate Seminar Computer Sci (1 Credits)****Lecture:** 1, **Lab:** 0

Graduate Seminar in CS (1 semester credit hour) A series of seminars held every semester in which students are exposed to various research topics in computer sciences. Students are required to attend theses seminars and provide a written review to each topic presented.

Prerequisite: Consent of the instructor. One hour of seminar per week

College/School: Col of Science, Engr & Tech**Department:** Department of Computer Sci**CS 645 Multimedia Networking (3 Credits)****Lecture:** 3

This course explores recent advances in multimedia networking technologies. Topics covered include multimedia compression and standards, multimedia streaming over IP networks, quality of service (QoS) support mechanisms and protocols, IP multicasting, Voice over IP, IPTV, and internet multimedia applications. Three credit hours per week.

College/School: Col of Science, Engr & Tech**Department:** Department of Computer Sci**CS 661 Adv Tps in Sfw Eng (3 Credits)****Lecture:** 3, **Lab:** 0

Advanced Topics in Software Engineering (3) Software measurement and analysis theory, applications, and techniques. Also included are process and product metrics, risk and hazard assessment, quality assurance certification techniques, COCOMO model for cost estimation, re-use, reengineering, and software safety. (Prerequisite: Consent of the instructor. Three [3] hours of lecture per week.)

College/School: Col of Science, Engr & Tech**Department:** Department of Computer Sci**CS 681 Adv DB Mgmt Sys (3 Credits)****Lecture:** 3, **Lab:** 0

Advanced Database Management Systems (3) Advanced issues related to database design, data modeling and normalization, query optimization, functional dependencies, data integrity, and data security. (Prerequisite: Consent of the instructor. Three [3] hours of lecture per week.)

College/School: Col of Science, Engr & Tech**Department:** Department of Computer Sci**CS 696 Special Topics in CS (3 Credits)****Lecture:** 3, **Lab:** 0

Special Topics in Computer Science (3) Consideration of contemporary topics and issues in computer science and associated technology. (Prerequisite: Consent of the instructor. Three [3] hours of lecture per week. This course can be repeated for different topics.)

College/School: Col of Science, Engr & Tech**Department:** Department of Computer Sci**CS 697 Independent Master's Prjt (3 Credits)****Lecture:** 3, **Lab:** 0

Independent Master's Project (3) Opportunity for students to do an independent in-depth study on a contemporary topic under the mentorship of a faculty member. Required of students pursuing the Plan B (nonthesis) option. (Prerequisites: Completion of eighteen [18] semester credit hours including core courses and satisfactory completion of the departmental Qualifying Examination.)

College/School: Col of Science, Engr & Tech**Department:** Department of Computer Sci**CS 698 Mst Thes/Rsch I (1-3 Credits)****Lecture:** 1-3, **Lab:** 0

Master's Thesis Research I (1-3) Required independent research project under the mentorship of a faculty member that leads toward the completion of a written thesis for students pursuing the Plan A (thesis) option. (Prerequisites: Completion of eighteen [18] semester credit hours including core courses and satisfactory completion of the departmental Qualifying Examination.)

College/School: Col of Science, Engr & Tech**Department:** Department of Computer Sci

CS 699 Mst Thes/Rsch II (1-3 Credits)**Lecture:** 1-3, **Lab:** 0

Master's Thesis Research II (1-3) Continuation of CS 698. (Prerequisites: CS698.)

College/School: Col of Science, Engr & Tech**Department:** Department of Computer Sci

Computer Science Plan A. (Thesis Option), Master of Science

Admission Requirements

Admission to the Program is accomplished in accord with the requirements for admission to the Graduate School at Texas Southern University. The entire admission process will be under the direction of the Graduate Committee in the Department of Computer Science and the Graduate Council in the Graduate School at the University.

For unconditional admission, the University requirements, as well as the Program requirements, are as follows:

1. Graduation with the bachelor's degree, or its equivalent, from an accredited college or university. An example of the "equivalent," as indicated may be an international student who has graduated from a college or university that issues a diploma or certificate instead of a degree.
2. A satisfactory undergraduate sequence of courses in the proposed major.
3. A grade point average in all undergraduate work of 2.50 (C+) or better or a grade point average of 3.0 for the last 60 semester hours of undergraduate course work.
4. A score on the aptitude section of the Graduate Record Examination that will be used in conjunction with other admission factors.
5. A score of at least 550 on the TOEFL, if the applicant has a degree from a non US university

Conditional admission may be given to applicants who do not satisfy all of the requirements for unconditional admission in accord with existing University procedures. However, final disposition of these cases ultimately rests with the Dean of the Graduate School.

In addition to the general requirements for admission referenced above, applicants for admission to graduate standing in Computer Science are expected to present evidence of having completed the following courses with the minimum number of semester credit hours indicated with grades of "C" or better:

Code	Title	Hours
	Object Oriented Programming/C++ or JAVA	3
	Computer Architecture /Computer Networks	3
	Data Structures	3

Conditional Admission:

Students who fail to satisfy the unconditional admission criteria may be admitted on a conditional basis. Under conditional admission, the admission requirements are as follows:

1. Graduation with the bachelor's degree, or its equivalent, from an accredited college or university. Official transcripts from each institution attended as a registered student must be submitted. International applicants will need to provide a detailed course-

by-course transcript evaluation from a TSU approved transcript evaluation service provider and the evaluation must clearly indicate equivalency to a US Bachelor's degree.

2. A grade point average in all undergraduate work of 2.5 (C) or better or a grade point average of 3.0 for the last 60 semester hours of undergraduate course work.
3. A score on the aptitude section of the Graduate Record Examination (GRE) that will be used in conjunction with other admission factors.
4. International applicants need to submit an official and acceptable TOEFL score: A score of at least 550 on the paper-based test, 213 on the computer-based test, or 79 on the internet-based test of the TOEFL. An official IELTS score can be submitted in lieu of TOEFL in which case a minimum overall band score of 6.0 is required.

Students admitted conditionally will be required to meet the unconditional admission criteria by completing a graduate Computer Science immersive course CS 501 with a satisfactory grade (S) or, alternatively, by passing CS 241 and CS 243 with a grade of C or better for each class respectively. These preparatory courses do not count towards the Masters in Computer Science degree and the total credit hours required. Failure to satisfy unconditional admission criteria within the first semester of conditional admission will result in the student being dismissed from the program.

Degree Requirements

After successfully completing the course requirements to be described below, students admitted to the Program must pass a department-administered Qualifying Examination upon completion of those courses designated as "core courses" for the M.S. in Computer Science. This examination must be passed after no more than two attempts and prior to embarking upon a thesis, if the curriculum plan described below that requires a thesis (Plan A) is followed.

A student cannot be accepted to "candidacy status" for the M.S. in Computer Science until the Qualifying Examination is successfully completed.

An overall summary of the general requirements for the M.S. in Computer Science follows:

1. Completion of a total of thirty (31) semester credit hours in Computer Science (500 and 600 Level) as described in detail below through Plan A or Plan B with a grade point average of 3.00 or better.
2. Completion and presentation (through an oral defense) of a thesis to a committee composed of members of the Department of Computer Science and representatives of the Graduate School, if the Plan A curriculum of study is selected.
3. Completion of an application for graduation.

Curriculum Summary

In designing the overall curriculum of study for the M.S. in Computer Science, the guidelines for computer science curriculum content from the Association for Computing Machinery (ACM) were consulted. The ACM is a highly respected professional organization that has guided the development of computer science educational programs for many years. Essentially, the ACM recognizes a set of fourteen (14) content areas that represent the body of knowledge for computer science. These areas are as follows:

1. Discrete Structures (DS)
2. Programming Fundamentals (PF)

- 3. Algorithms and Complexity (AL)
- 4. Architecture and Organization (AR)
- 5. Operating Systems (OS)
- 6. Net-Centric Computing (NC)
- 7. Programming Languages (PL)
- 8. Human-Computer Interaction (HC)
- 9. Graphics and Visual Computing (GV)
- 10. Intelligent Systems (IS)
- 11. Information Management (IM)
- 12. Social and Professional Issues (SP)
- 13. Software Engineering (SE)
- 14. Computational Science (CN)

The M.S. in Computer Science, as proposed, requires the completion of thirty (31) semester credit hours to be completed over a two- year period. Students enrolled will have the option of either doing a thesis (Plan A) or not doing one (Plan B). For the Plan A curriculum, six (6) semester credit hours are devoted to original research, while Plan B curriculum requires the completion of six (6) extra elective credits and an independent Master’s project.

For Plans A and B, 13 semester credit hours through five courses constitute a core curriculum that must be completed before a student is allowed to establish his/her candidacy for the M.S. Degree Plan A. If the student elects to follow Plan A, he/she is appointed a Thesis Advisor by the Chairperson of the Department of Computer Science in accord with the regulations of the Graduate School.

The five core courses address the first seven content areas of the fourteen total areas referenced by the ACM. The remaining content areas are addressed in elective offerings in accord with the backgrounds and research interests of the faculty members to anchor the overall graduate program.

Thus, the Plan A curriculum requires completion of 5 core courses for 13 semester credit hours, 4 elective courses for 12 semester credit hours, and 6 semester credit hours of thesis research for a total of 31 semester credit hours.

The five core courses are listed below. Reference is made to the ACM content area(s) addressed at the end of each course title.

Code	Title	Hours
CS 511	Alg Anal & Data Str (ACM content areas: PF, PL and AL)	3
CS 531	Comp Arch (ACM content area: AR)	3
CS 541	Operating Systems (ACM content areas: OS and NC)	3
CS 551	Theory of Computation (ACM content areas: DS and AL)	3
CS 599	Graduate Seminar Computer Sci (ACM content areas: NC, HC, and PL)	1
Total Hours		13

The following courses are intended as electives for the degree program with ACM content areas noted:

Code	Title	Hours
CS 545	Computer Networks (ACM content areas: NC and OS)	3

CS 547	Cryptography & Comp Sec (ACM content areas: SP and NC.)	3
CS 553	Automata & Formal Lngs (ACM content areas: PL, AL)	3
CS 571	Artificial Intelligence (ACM content area: IS)	3
CS 583	Data Mining (ACM content area: IM)	3
CS 591	Web Services (ACM content areas: NC, HC, and PL)	3
CS 661	Adv Tps in Sfw Eng (ACM content area: SE)	3
CS 681	Adv DB Mgmt Sys (ACM content area: IM)	3
CS 696	Special Topics in CS (ACM content areas: All Possible)	3
CS 697	Independent Master’s Prjt (ACM content areas: All Possible)	3
CS 698	Mst Thes/Rsch I (ACM content areas: All Possible)	1-3
CS 699	Mst Thes/Rsch II (ACM content areas: All Possible)	1-3

Plan A-(Thesis) Degree Plan

Course	Title	Hours
First Year		
First Semester		
CS 511	Alg Anal & Data Str	3
CS 531	Comp Arch	3
CS Elective (500 or 600 level)		3
Hours		9
Second Semester		
CS 541	Operating Systems	3
CS 551	Theory of Computation	3
CS 599	Graduate Seminar Computer Sci	1
Hours		7
Second Year		
First Semester		
CS 698	Mst Thes/Rsch I	3
CS Elective (5XX or 6XX)		3
CS Elective (5XX or 6XX)		3
Hours		9
Second Semester		
CS 699	Mst Thes/Rsch II	3
CS Elective (5XX or 6XX)		3
Hours		6
Total Hours		31

Computer Science Plan B. (Non-Thesis option), Master of Science

Admission Requirements

Admission to the Program is accomplished in accord with the requirements for admission to the Graduate School at Texas Southern University. The entire admission process will be under the direction of the Graduate Committee in the Department of Computer Science and the Graduate Council in the Graduate School at the University.

For unconditional admission, the University requirements, as well as the Program requirements, are as follows:

1. Graduation with the bachelor's degree, or its equivalent, from an accredited college or university. An example of the "equivalent," as indicated may be an international student who has graduated from a college or university that issues a diploma or certificate instead of a degree.
2. A satisfactory undergraduate sequence of courses in the proposed major.
3. A grade point average in all undergraduate work of 2.50 (C+) or better or a grade point average of 3.0 for the last 60 semester hours of undergraduate course work.
4. A score on the aptitude section of the Graduate Record Examination that will be used in conjunction with other admission factors.
5. A score of at least 550 on the TOEFL, if the applicant has a degree from a non US university

Conditional admission may be given to applicants who do not satisfy all of the requirements for unconditional admission in accord with existing University procedures. However, final disposition of these cases ultimately rests with the Dean of the Graduate School.

In addition to the general requirements for admission referenced above, applicants for admission to graduate standing in Computer Science are expected to present evidence of having completed the following courses with the minimum number of semester credit hours indicated with grades of "C" or better:

Code	Title	Hours
	Object Oriented Programming/C++ or JAVA	3
	Computer Architecture /Computer Networks	3
	Data Structures	3

Conditional Admission:

Students who fail to satisfy the unconditional admission criteria may be admitted on a conditional basis. Under conditional admission, the admission requirements are as follows:

1. Graduation with the bachelor's degree, or its equivalent, from an accredited college or university. Official transcripts from each institution attended as a registered student must be submitted. International applicants will need to provide a detailed course-by-course transcript evaluation from a TSU approved transcript evaluation service provider and the evaluation must clearly indicate equivalency to a US Bachelor's degree.
2. A grade point average in all undergraduate work of 2.5 (C) or better or a grade point average of 3.0 for the last 60 semester hours of undergraduate course work.
3. A score on the aptitude section of the Graduate Record Examination (GRE) that will be used in conjunction with other admission factors.
4. International applicants need to submit an official and acceptable TOEFL score: A score of at least 550 on the paper-based test, 213 on the computer-based test, or 79 on the internet-based test of the TOEFL. An official IELTS score can be submitted in lieu of TOEFL in which case a minimum overall band score of 6.0 is required.

Students admitted conditionally will be required to meet the unconditional admission criteria by completing a graduate Computer Science immersive course CS 501 with a satisfactory grade (S) or, alternatively, by passing CS 241 and CS 243 with a grade of C or better

for each class respectively. These preparatory courses do not count towards the Masters in Computer Science degree and the total credit hours required. Failure to satisfy unconditional admission criteria within the first semester of conditional admission will result in the student being dismissed from the program.

Degree Requirements

After successfully completing the course requirements to be described below, students admitted to the Program must pass a department-administered Qualifying Examination upon completion of those courses designated as "core courses" for the M.S. in Computer Science. This examination must be passed after no more than two attempts and prior to embarking upon a thesis, if the curriculum plan described below that requires a thesis (Plan A) is followed.

A student cannot be accepted to "candidacy status" for the M.S. in Computer Science until the Qualifying Examination is successfully completed.

An overall summary of the general requirements for the M.S. in Computer Science follows:

1. Completion of a total of thirty (31) semester credit hours in Computer Science (500 and 600 Level) as described in detail below through Plan A or Plan B with a grade point average of 3.00 or better.
2. Completion of a total of six (6) semester credit hours advanced electives (600 level) and an Independent Master's Project if the Plan B curriculum of study is selected.
3. Completion of an application for graduation.

Curriculum Summary

In designing the overall curriculum of study for the M.S. in Computer Science, the guidelines for computer science curriculum content from the Association for Computing Machinery (ACM) were consulted. The ACM is a highly respected professional organization that has guided the development of computer science educational programs for many years. Essentially, the ACM recognizes a set of fourteen (14) content areas that represent the body of knowledge for computer science. These areas are as follows:

1. Discrete Structures (DS)
2. Programming Fundamentals (PF)
3. Algorithms and Complexity (AL)
4. Architecture and Organization (AR)
5. Operating Systems (OS)
6. Net-Centric Computing (NC)
7. Programming Languages (PL)
8. Human-Computer Interaction (HC)
9. Graphics and Visual Computing (GV)
10. Intelligent Systems (IS)
11. Information Management (IM)
12. Social and Professional Issues (SP)
13. Software Engineering (SE)
14. Computational Science (CN)

The M.S. in Computer Science, as proposed, requires the completion of thirty (31) semester credit hours to be completed over a two- year period. Students enrolled will have the option of either doing a thesis (Plan A) or not doing one (Plan B). For the Plan A curriculum, six (6) semester credit

hours are devoted to original research, while Plan B curriculum requires the completion of six (6) extra elective credits and an independent Master's project.

For Plans A and B, 13 semester credit hours through five courses constitute a core curriculum that must be completed before a student is allowed to establish his/her candidacy for the M.S. Degree Plan A. If the student elects to follow Plan A, he/she is appointed a Thesis Advisor by the Chairperson of the Department of Computer Science in accord with the regulations of the Graduate School.

The five core courses address the first seven content areas of the fourteen total areas referenced by the ACM. The remaining content areas are addressed in elective offerings in accord with the backgrounds and research interests of the faculty members to anchor the overall graduate program.

The Plan B curriculum requires completion of four core courses for 13 semester credit hours, and 5 elective courses for 15 semester credit hours, and one course of independent master's project for 3 semester credit hours for a total of thirty (31) semester credit hours. These overall plans are designed for students to complete at Texas Southern University once admitted. Transfer students will not be recruited. However, in the event that a student wants to transfer credits from an accredited institution of higher learning to the University for use in fulfilling requirements for the M.S. in Computer Science, the Dean of the Graduate School must be contacted directly for review of the request. If the request for transfer credits is approved by the Dean, official notification is provided to the Office of the University Registrar to include these credits on the student's official transcript. The following two restrictions apply to these transfer credits: no more than six (6) semester credit hours may be transferred at the graduate level, and credits accepted for transfer must have been earned with grades of "B" (3.00) or better.

The five core courses are listed below. Reference is made to the ACM content area(s) addressed at the end of each course title.

Code	Title	Hours
CS 511	Alg Anal & Data Str (ACM content areas: PF, PL and AL)	3
CS 531	Comp Arch (ACM content area: AR)	3
CS 541	Operating Systems (ACM content areas: OS and NC)	3
CS 551	Theory of Computation (ACM content areas: DS and AL)	3
CS 599	Graduate Seminar Computer Sci (ACM content areas: NC, HC, and PL)	1
Total Hours		13

The following courses are intended as electives for the degree program with ACM content areas noted:

Code	Title	Hours
CS 545	Computer Networks (ACM content areas: NC and OS)	3
CS 547	Cryptography & Comp Sec (ACM content areas: SP and NC.)	3
CS 553	Automata & Formal Lngs (ACM content areas: PL, AL)	3
CS 571	Artificial Intelligence (ACM content area: IS)	3
CS 583	Data Mining (ACM content area: IM)	3

CS 591	Web Services (ACM content areas: NC, HC, and PL)	3
CS 661	Adv Tps in Sfw Eng (ACM content area: SE)	3
CS 681	Adv DB Mgmt Sys (ACM content area: IM)	3
CS 696	Special Topics in CS (ACM content areas: All Possible)	3
CS 697	Independent Master's Prjt (ACM content areas: All Possible)	3
CS 698	Mst Thes/Rsch I (ACM content areas: All Possible)	1-3
CS 699	Mst Thes/Rsch II (ACM content areas: All Possible)	1-3

Plan B-(Non-Thesis) Degree Plan

Course	Title	Hours
First Year		
First Semester		
CS 511	Alg Anal & Data Str	3
CS 531	Comp Arch	3
CS Elective (500 or 600 level)		3
Hours		9
Second Semester		
CS 541	Operating Systems	3
CS 551	Theory of Computation	3
CS 599	Graduate Seminar Computer Sci	1
Hours		7
Second Year		
First Semester		
CS Elective (5XX or 6XX)		3
CS Elective (5XX or 6XX)		3
CS Elective (5XX or 6XX)		3
Hours		9
Second Semester		
CS 697	Independent Master's Prjt	3
CS Elective (5XX or 6XX)		3
Hours		6
Total Hours		31

Department of Environmental and Interdisciplinary Sciences

The **Environmental Toxicology** degree program is offered through the Graduate School and housed in the Department of Environmental and Interdisciplinary Sciences within the College of Science, Engineering and Technology. The program is interdisciplinary with support provided by faculty mainly from the College of Science, Engineering and Technology and the College of Pharmacy and Health Sciences.

The department offers two degree programs which lead to a Master of Science in Environmental Toxicology or a Doctor of Philosophy in Environmental Toxicology. In offering these degrees, the program is designed to:

1. Prepare students for professional careers in industry, government, and higher education
2. Produce independent, hypothesis-driven researchers

3. Prepare scientists who have knowledge of the basic mechanisms by which pollutants act in the natural environment.
4. Produce qualified graduates capable of conducting environmentally relevant research in the biological, chemical, or physical Sciences
5. Prepare professionals who are capable of making an impact on the environment by completing environmental risk assessments and developing appropriate environmental planning and management models that will be used in formulating environmental policy.
6. Train environmental toxicologists who are trained to anticipate, assess, and recommend action on a wide spectrum of environmental problems.
7. Increase the number of underrepresented minority researchers in the field of environmental toxicology.

- Environmental Toxicology (Non-Thesis Option), Master of Science (p. 210)
- Environmental Toxicology (Thesis Option), Master of Science (p. 211)
- Environmental Toxicology, Doctor of Philosophy (p. 212)

ES 701 Principles of Toxicology (3 Credits)

Lecture: 3

This course presents the fundamental and basic concepts of toxicology, including dose-response relationships, pathogenesis of toxic exposures, metabolism of toxicants, toxic kinetics, activation and detoxification mechanisms, biologic and chemical factors that influence toxicity, mechanisms of carcinogenesis and mutagenesis target organ toxicology, the principles of testing for toxic effects, epidemiology and concepts of risk assessment.

College/School: Col of Science, Engr & Tech

Department: Dept Environmental Toxio

ES 702 Environmental Toxicology I (3 Credits)

Lecture: 3, **Lab:** 0

This course presents topics illustrating toxic chemicals, their occurrence, structure, and the reactions underlying detection, toxicity, fate, and ecological importance.

College/School: Col of Science, Engr & Tech

Department: Dept Environmental Toxio

ES 703 Environmental Science (3 Credits)

Lecture: 3

This course will provide students with the scientific principles, concepts, and methodologies required to understand and identify environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them.

College/School: Col of Science, Engr & Tech

Department: Dept Environmental Toxio

ES 704 Aquatic Resources & Pollution (3 Credits)

Lecture: 3

This course presents a survey of global aquatic systems and resources and the impacts of mankind on these resources. Topics include impacts of chemicals on aquatic ecosystems and man's utilization of marine resources. Scientific method applied to the processes. Biota and history of the aquatic systems and major scientific breakthroughs will be explored.

College/School: Col of Science, Engr & Tech

Department: Dept Environmental Toxio

ES 705 Environmental Policy & MGMT (3 Credits)

Lecture: 3

This course presents an examination of selected topics in the formulation and implementation of environmental policy with a principal emphasis on conceptual and methodological issues. Examination of recent research and practice in the evaluation of environmentally related policies, programs, and plans will be reviewed.

College/School: Col of Science, Engr & Tech

Department: Dept Environmental Toxio

ES 707 Ground Water Contamination (3 Credits)

Lecture: 3, **Lab:** 0

The emphasis of this course will be on acquiring extensive working knowledge of the concepts, principles and professional practices underlying groundwater pollution, hydrology and remediation.

College/School: Col of Science, Engr & Tech

Department: Dept Environmental Toxio

ES 711 Air Pollution (3 Credits)

Lecture: 3

This course is designed to study the influence of man-caused pollution on the atmosphere and its effect on human health and economy.

Techniques for the measurement of atmosphere pollutant concentrations and determination of local and regional air quality will also be covered.

Detailed presentation of air pollution sources and methods for their control will be covered. The role of local, state and federal government in air pollution control will be reviewed.

College/School: Col of Science, Engr & Tech

Department: Dept Environmental Toxio

ES 718 Special Topics Environ Tox (3 Credits)

Lecture: 3

Special topics will be assigned and discussed in relation to new findings and trends in environmental toxicological study and research. (Prerequisite: Consent of the professor)

College/School: Col of Science, Engr & Tech

Department: Dept Environmental Toxio

ES 720 GIS for Environmental Sciences (3 Credits)

Lecture: 2, **Lab:** 1

Geographical Information Systems for environmental sciences is an introductory course to the concepts and use of geospatial (GIS and GPS) technology. It involves introducing the hardware and software component of the GIS and review of GIS applications for the field of environmental study. 2 credit hours lecture and 1 credit hour lab.

College/School: College Of Pharmacy/Hlth Sci.

Department: Dept Environmental Toxio

ES 724 Research Problems (1-6 Credits)

Lecture: 1-6, **Lab:** 0

This course provides supervised student research on approved problems suitable for the preparation of a thesis.

College/School: Col of Science, Engr & Tech

Department: Dept Environmental Toxio

ES 730 Introduction to Remote Sensing Image Processing (3 Credits)

Lecture: 2, **Lab:** 1

Introduction to remote sensing and image processing is designed to introduce and explore the basic applications of remotely sensed data in the evaluation of environmental problems. The course includes the theories and principles of remote sensing, types of sensors, identification and mapping the materials. 3 credit hours, 2 lecture and 1 lab.

College/School: Col of Science, Engr & Tech

Department: Dept Environmental Toxio

ES 901 Environmental Toxicology (3 Credits)**Lecture:** 3, **Lab:** 0

ENVIRONMENTAL TOXICOLOGY (3) Topics illustrating toxic chemicals, their occurrence, structure, and the reactions underlying detection, toxicity, fate, and ecological importance.

College/School: Col of Science, Engr & Tech**Department:** Dept Environmental Toxio**ES 902 Environmental Toxicology II (3 Credits)****Lecture:** 3

This course presents biochemical and physiological mechanisms underlying toxicity and detoxification. (Prerequisite: ES 702)

College/School: Col of Science, Engr & Tech**Department:** Dept Environmental Toxio**ES 903 General Ecology (3 Credits)****Lecture:** 3

GENERAL ECOLOGY (3) Ecological principles of biological systems, emphasizing populations and ecosystems. Principles of growth, regulation, distribution, structure, energetics, and mineral cycles related to the evolution of biological systems and applications to selected human ecological problems. Field trips required.

College/School: Col of Science, Engr & Tech**Department:** Dept Environmental Toxio**ES 904 The Oceans (3 Credits)****Lecture:** 3

THE OCEANS (3) Introductory survey of the marine environment. Oceanic physical-phenomena, chemical constituents geological history, and the sea's biota: Man's utilization of marine resources. Scientific method applied to the processes. Biota and history of the oceans and major scientific breakthroughs explored.

College/School: Col of Science, Engr & Tech**Department:** Dept Environmental Toxio**ES 905 Environmental Policy & Mgmt. (3 Credits)****Lecture:** 3, **Lab:** 0

ENVIRONMENTAL POLICY & MANAGEMENT (3) An examination of selected topics in the formulation and implementation of environmental policy, with a principal emphasis on conceptual and methodological issues. Examination of recent research and practice in the evaluation of environmentally related policies, programs, and plans.

College/School: Col of Science, Engr & Tech**Department:** Dept Environmental Toxio**ES 906 Environmental Geology (3 Credits)****Lecture:** 3

This course presents a study of the influence of geologic processes and hazards on human activities. Emphasis will be placed upon topics of interest to students in environmental science and toxicology.

College/School: Col of Science, Engr & Tech**Department:** Dept Environmental Toxio**ES 907 Limnology (3 Credits)****Lecture:** 3**College/School:** Col of Science, Engr & Tech**Department:** Dept Environmental Toxio**ES 908 Sample Analysis (3 Credits)****Lecture:** 3

This course presents the principles of the microanalysis of toxicants. The course addresses theoretical microanalysis of toxicants, separation, detection, and quantitative determination of toxicants using chemical and instrumental methods. (Prerequisite: CHEM 332 Analytical Chemistry and consent of instructor)

Prerequisite(s): (CHEM 332)**College/School:** Col of Science, Engr & Tech**Department:** Dept Environmental Toxio**ES 909 Sample Analysis Laboratory (3 Credits)****Lecture:** 0, **Lab:** 9

This course presents laboratory techniques for microanalysis of toxicants. The course addresses separation, detection, and quantitative determination of toxicants using chemical and instrumental methods. (Prerequisite: ES 908 [may be taken concurrently] or by consent of instructor)

Prerequisite(s): (ES 908)**College/School:** Col of Science, Engr & Tech**Department:** Dept Environmental Toxio**ES 910 Reproductive Toxicology (3 Credits)****Lecture:** 3

This course introduces students into the field of reproductive toxicology. Specific topics include exposure to chemicals during pregnancy, the teratology of chemical exposure, folic acid and the classical and the environmental estrogen saga. Special attention is given to the interpretation of animal reproductive toxicity studies which form the basis for human risk assessment of chemicals.

College/School: Col of Science, Engr & Tech**Department:** Dept Environmental Toxio**ES 911 Gas Chrom & Mass Spec of Toxic (3 Credits)****Lecture:** 3

GAS CHROMATOGRAPHY & MASS SPECTROMETRY OF TOXIC CHEMICALS (3) Application of GC and MS techniques to investigate toxic chemicals. Mass spectral fragmentation and their application to structural identification and structural elucidation. Practical application of GC/MS in current research. (Prerequisite: CHEM 453 or equivalent)

Prerequisite(s): (CHEM 453)**College/School:** Col of Science, Engr & Tech**Department:** Dept Environmental Toxio**ES 912 Neurotoxicology (3 Credits)****Lecture:** 3

This course presents mechanism of action of a number of different neurotoxins, including marine toxins, insecticides and heavy metals. The course gives examples of ways toxins may act on the nervous system and techniques for the study of neurotoxicology.

College/School: Col of Science, Engr & Tech**Department:** Dept Environmental Toxio**ES 913 Adv Simulation Modeling (3 Credits)****Lecture:** 3

This course presents advanced techniques in simulation modeling, optimization and simulation, dynamic parameter estimation, linear model error propagation, and sensitivity testing; model evaluation in ecological and social systems.

College/School: Col of Science, Engr & Tech**Department:** Department of Chemistry

ES 914 Modeling Laboratory (3 Credits)**Lab:** 3

Students must complete a series of exercises on advanced topics in modeling and a term project based on their graduate research.

College/School: Col of Science, Engr & Tech**Department:** Department of Chemistry**ES 915 Adv Physical Chemistry (3 Credits)****Lecture:** 3, **Lab:** 0

This course presents principles and applications of statistical mechanics; ensemble theory; statistical thermodynamics of gases, solids, liquids, electrolyte solutions, polymers and chemical equilibria. (Prerequisite: Chemistry 432 or equivalent)

Prerequisite(s): (CHEM 432)**College/School:** Col of Science, Engr & Tech**Department:** Dept Environmental Toxio**ES 916 Chemistry of Natural Products (3 Credits)****Lecture:** 3

This course presents advanced treatment of chemistry of naturally occurring compounds isolated from a variety of sources. Topics will include isolation, structure determination, chemical transformations, total synthesis, biological activity, and biosynthesis. (Prerequisite: CHEM 232 or equivalent)

Prerequisite(s): (CHEM 232)**College/School:** Col of Science, Engr & Tech**Department:** Dept Environmental Toxio**ES 917 Bioorganic Chemistry (3 Credits)****Lecture:** 3

BIOORGANIC CHEMISTRY (3) Structured and function of biomolecules; molecular recognition; enzyme reaction mechanisms; design of substrates for I enzymes; enzyme engineering; design of artificial enzymes and application of enzymes in organic synthesis. (Prerequisites: CHEM 232, CHEM 445 or equivalents)

Prerequisite(s): (CHEM 232)**College/School:** Col of Science, Engr & Tech**Department:** Dept Environmental Toxio**ES 918 Special Topics (3 Credits)****Lecture:** 3

SPECIAL TOPICS IN ENVIRONMENTAL TOXICOLOGY (3) Special topics will be assigned and discussed in relation to new findings and trends in environmental toxicological study and research. (Prerequisite: Consent of the professor)

College/School: Col of Science, Engr & Tech**Department:** Department of Chemistry**ES 919 Special Topics (3 Credits)****Lecture:** 3

Special topics will be assigned and discussed in relation to new findings and trends in environmental toxicological study and research. (Prerequisite: Consent of the professor)

College/School: Col of Science, Engr & Tech**Department:** Dept Environmental Toxio**ES 920 Special Topics (3 Credits)****Lecture:** 3

Special topics will be assigned and discussed in relation to new findings and trends in environmental toxicological study and research. (Prerequisite: Consent of the professor)

College/School: Col of Science, Engr & Tech**Department:** Dept Environmental Toxio**ES 921 Sem in Envir Toxicology (2 Credits)****Lecture:** 2

This course discusses pertinent diverse issues related to the field of environmental toxicology based on reports, lectures and field experiences. Attendance and/or viewing with written reports on seminar presentations is required. (Prerequisite: Consent of the professor)

College/School: Col of Science, Engr & Tech**Department:** Dept Environmental Toxio**ES 922 Sem in Envir Toxicology (2 Credits)****Lecture:** 2

This course discusses pertinent diverse issues related to the field of environmental toxicology based on reports, lectures and field experiences. Attendance and/or viewing with written reports on seminar presentations is required. (Prerequisite: Consent of the professor)

College/School: Col of Science, Engr & Tech**Department:** Dept Environmental Toxio**ES 923 Sem in Envir Toxicology (2 Credits)****Lecture:** 2

This course discusses pertinent diverse issues related to the field of environmental toxicology based on reports, lectures and field experiences. Attendance and/or viewing with written reports on seminar presentations is required. (Prerequisite: Consent of the professor)

College/School: Col of Science, Engr & Tech**Department:** Dept Environmental Toxio**ES 924 Research Problems (3,6 Credits)****Lecture:** 6

RESEARCH PROBLEMS - MASTER'S DEGREE STUDENTS (6) Supervised student research on approved problems suitable for the preparation of a thesis.

College/School: Col of Science, Engr & Tech**Department:** Dept Environmental Toxio**ES 925 Research & Dissertation (1-12 Credits)****Lecture:** 1-12

This course provides supervised research and dissertation preparation.

College/School: Col of Science, Engr & Tech**Department:** Dept Environmental Toxio**ES 926 Internship (3-6 Credits)****Lecture:** 6

This course provides supervised research and dissertation preparation.

College/School: Col of Science, Engr & Tech**Department:** Dept Environmental Toxio**ES 927 Biomedical Statistics (3 Credits)****Lecture:** 3

This course will review the practices of research design and data collection and the use of statistics for data interpretation with emphasis on proper presentation of data in the scientific format.

College/School: Col of Science, Engr & Tech**Department:** Dept Environmental Toxio**ES 928 Toxicology I (3 Credits)****Lecture:** 3**College/School:** Col of Science, Engr & Tech**Department:** Dept Environmental Toxio

ES 929 Toxicology III (3 Credits)**Lecture: 3**

This course examines the advanced concepts of toxicology. Distribution, absorption, metabolic conversion, and elimination of toxic agents are discussed. Mechanisms of injury to various body systems following exposure to toxic chemicals are explored at the systemic, organ, and cellular levels. Topics also include classes of toxicants, methods for detecting and evaluating their effects, and the scientific basis for risk estimation in humans.

College/School: Col of Science, Engr & Tech

Department: Dept Environmental Toxio

ES 930 Biochemistry (3 Credits)**Lecture: 3**

Topics covered include chemical principles of biologic systems; chemical and physical properties of nucleotides, amino acids, proteins and water; protein structure and stability; introduction to steady-state kinetics; enzyme mechanism; controlling enzyme activity; metabolic circuitry; glucose transport and metabolism; pyruvate metabolism; the TCA cycle; electron flow and Ox- Phos; glycogen metabolism; gluconeogenesis and the pentose shunt; fatty acid catabolism and synthesis; disposal of nitrogen: the urea cycle; amino acid catabolism and synthesis; integrating metabolism: fed and fasted states and exercise; structure of nucleic acids; physical properties of nucleic acids, DNA replication and repair; transcription and its control; RNA processing and Translation.

College/School: Col of Science, Engr & Tech

Department: Department of Chemistry

ES 931 Ethics (3 Credits)**Lecture: 3**

This course will enhance students' understanding of core ethical issues in research. Focus will be made on IRBs (Institutional Review Boards), IACUC (Institutional Animal Care and Use Committees), roles of ethical theories, principles, and human rights. Topics in scientific research will include elements of good science and conflicts of interest.

College/School: Col of Science, Engr & Tech

Department: Department of Chemistry

ES 932 Contemporary Topics in Toxicol (3 Credits)**Lecture: 3**

College/School: Col of Science, Engr & Tech

Department: Dept Environmental Toxio

ES 933 Mutagenesis Carcinogenesis (3 Credits)**Lecture: 3**

This course analyzes the modes by which organisms handle damage to DNA by physical and chemical agents, the mechanisms of converting damage to mutations, and the theoretical basis for carcinogenesis screening methods utilizing mutagenesis. Topics include systems for mutagenesis testing, mutational spectra, and inducible responses to DNA damage

College/School: Col of Science, Engr & Tech

Department: Department of Chemistry

ES 934 Molecular Basis of Gene Action (3 Credits)**Lecture: 3**

This course examines advanced topics related to prokaryotic and eukaryotic gene expression and regulation. Conventional and non-conventional cloning tools will also be discussed as they relate to gene expression. The course will also cover topics in genomics and transcriptomics.

College/School: Col of Science, Engr & Tech

Department: Department of Chemistry

ES 935 Stat Aspects of Risk Assessmen (3 Credits)**Lecture: 3**

This course is designed to introduce the potential environmental toxicology specialist to the comprehensive coverage of environmental impact and risk assessment disciplines as tools to environmental planning and management, policy decision making and regulatory standard setting of exposure limits to toxic substances.

College/School: Col of Science, Engr & Tech

Department: Department of Chemistry

ES 936 Occ & Environ Epidemiology (3 Credits)**Lecture: 3**

This course will introduce students to environmental and occupational epidemiologic study designs, basic and novel methods of exposure assessment, and methodologies to improve study validity within this focus area.

College/School: Col of Science, Engr & Tech

Department: Department of Chemistry

Environmental Toxicology (Non-Thesis Option), Master of Science

Admission Criteria

Applicants must present Graduate Record Examination (GRE) scores (combined verbal and quantitative) which are considered along with the applicant's undergraduate grade point average that must be at least 2.75 overall or for the last sixty (60) hours. In addition to the aforementioned requirements, the socioeconomic background of applicants will be considered in the admission process.

1. Economic status of family when applicant attended elementary, secondary, and undergraduate school.
2. Applicant's status of first-generation to attend undergraduate school.
3. Applicant's status of first-generation to attend graduate or professional school.
4. Applicant is multilingual.
5. Applicant's employment while attending undergraduate school.
6. Applicant's role in helping rear other children in family.
7. Applicant's geographic residence in Texas at time of application.
8. Geographic region wherein applicant's high school is located.
9. Applicant's demonstration of performance in community activities.
10. Applicant's demonstration of commitment to a particular field of study.
11. The presence of role models with comparable graduate school training in the applicant's region of residence.
12. The applicant's performance during a personal interview.

The applicants are expected to present evidence of having completed the following courses with the indicated total semester credit hours (in parentheses):

Code	Title	Hours
	General Chemistry w/laboratory	8
	General Organic Chemistry w/laboratory	8
	Biology w/laboratory	8
	Physics	8
	Calculus	4
Total Hours		36

Degree Requirements Non-Thesis Track

The requirements for the Master of Science in Environmental Toxicology, non-thesis track, are summarized below:

1. Satisfactory performance on the Qualifying Examination.
2. Completion of a total of thirty-six (36) semester credit hours of graduate level credits. A minimum of nine (9) of these credit hours must be in core courses. A total of twenty-seven (27) credit hours of electives must be taken.
3. Completion and presentation (through an oral defense) of a full review (paper) of an Environmental Toxicology issue to a committee composed of members of the environmental toxicology faculty.
4. Fulfillment of general requirements for graduation as outlined by the Graduate School (See the General Information Section of this bulletin).

Admission to Candidacy

Master's degree students will achieve candidacy after passing the qualifying examination, the English proficiency examination, and course work requirements.

Review of an Environmental Toxicology Issue

Students pursuing the master's degree in the non-thesis track must write and present paper based on an approved problem in environmental toxicology. The presentation of the paper will be made before a committee composed of members of the Environmental Toxicology faculty.

Core Courses

Choose 9 credit hours from the following:

Code	Title	Hours
ES 701	Principles of Toxicology	3
ES 702	Environmental Toxicology I	3
ES 703	Environmental Science	3
ES 704	Aquatic Resources & Pollution	3
ES 705	Environmental Policy & MGMT	3
ES 707	Ground Water Contamination	3
ES 902	Environmental Toxicology II	3
ES 906	Environmental Geology	3
ES 908	Sample Analysis	3
ES 910	Reproductive Toxicology	3
ES 913	Adv Simulation Modeling	3
ES 929	Toxicology III	3
ES 931	Ethics	3

Electives

Choose 27 credit hours from the following:

Code	Title	Hours
ES 711	Air Pollution	3
ES 718	Special Topics Environ Tox	3
ES 720	GIS for Environmental Sciences	3

ES 730	Introduction to Remote Sensing Image Processing	3
ES 909	Sample Analysis Laboratory	3
ES 912	Neurotoxicology	3
ES 914	Modeling Laboratory	3
ES 915	Adv Physical Chemistry	3
ES 916	Chemistry of Natural Products	3
ES 919	Special Topics	3
ES 920	Special Topics	3
ES 921	Sem in Envir Toxicology	2
ES 922	Sem in Envir Toxicology	2
ES 923	Sem in Envir Toxicology	2
ES 927	Biomedical Statistics	3
ES 930	Biochemistry	3
ES 933	Mutagenesis Carcinogenesis	3
ES 934	Molecular Basis of Gene Action	3
ES 935	Stat Aspects of Risk Assessment	3
ES 936	Occ & Environ Epidemiology	3

Environmental Toxicology (Thesis Option), Master of Science Admission Criteria

Applicants must present Graduate Record Examination (GRE) scores (combined verbal and quantitative) which are considered along with the applicant's undergraduate grade point average that must be at least 2.75 overall or for the last sixty (60) hours. In addition to the aforementioned requirements, the socioeconomic background of applicants will be considered in the admission process.

1. Economic status of family when applicant attended elementary, secondary, and undergraduate school.
2. Applicant's status of first-generation to attend undergraduate school.
3. Applicant's status of first-generation to attend graduate or professional school.
4. Applicant is multilingual.
5. Applicant's employment while attending undergraduate school.
6. Applicant's role in helping rear other children in family.
7. Applicant's geographic residence in Texas at time of application.
8. Geographic region wherein applicant's high school is located.
9. Applicant's demonstration of performance in community activities.
10. Applicant's demonstration of commitment to a particular field of study.
11. The presence of role models with comparable graduate school training in the applicant's region of residence.
12. The applicant's performance during a personal interview.

The applicants are expected to present evidence of having completed the following courses with the indicated total semester credit hours (in parentheses):

Code	Title	Hours
	General Chemistry w/laboratory	8
	General Organic Chemistry w/laboratory	8
	Biology w/laboratory	8
	Physics	8

Calculus	4
Total Hours	36

Degree Requirements

Thesis Track

The requirements for the Master of Science in Environmental Toxicology are summarized below:

1. Satisfactory performance on the Qualifying Examination.
2. Completion of a total of twenty-four (24) semester credit hours of graduate level courses. A minimum of nine (9) of these credit hours must be in core courses. A total of fifteen (15) credit hours of electives must be taken. Six (6) credit hours are required for the research thesis.
3. Presentation of a thesis proposal to a committee composed of members of the environmental toxicology faculty and representatives of the Graduate School.
4. Completion and presentation (through an oral defense) of a thesis to a committee composed of members of the Environmental Toxicology faculty and representatives of the Graduate School.
5. Fulfillment of general requirements for graduation as outlined by the Graduate School (see the General Information Section of this bulletin).

Admission to Candidacy

Master’s degree students will achieve candidacy after passing the qualifying examination, the English proficiency examination, and course work requirements.

Residency Requirement

Master’s students will achieve residency after completing course requirements.

Thesis

Students pursuing the master’s degree must write and defend a thesis based on research done on an approved problem in environmental toxicology. The defense of the thesis will be made before the student’s thesis committee.

Core Courses (9 SCH)

Choose 9 credit hours from the following:

Code	Title	Hours
ES 701	Principles of Toxicology	3
ES 702	Environmental Toxicology I	3
ES 703	Environmental Science	3
ES 704	Aquatic Resources & Pollution	3
ES 705	Environmental Policy & MGMT	3
ES 707	Ground Water Contamination	3
ES 902	Environmental Toxicology II	3
ES 906	Environmental Geology	3
ES 908	Sample Analysis	3
ES 910	Reproductive Toxicology	3
ES 913	Adv Simulation Modeling	3

ES 929	Toxicology III	3
ES 931	Ethics	3

Electives (15 SCH)

Code	Title	Hours
ES 711	Air Pollution	3
ES 718	Special Topics Environ Tox	3
ES 720	GIS for Environmental Sciences	3
ES 730	Introduction to Remote Sensing Image Processing	3
ES 909	Sample Analysis Labortory	3
ES 912	Neurotoxicology	3
ES 914	Modeling Laboratory	3
ES 915	Adv Physical Chemistry	3
ES 916	Chemistry of Natural Products	3
ES 919	Special Topics	3
ES 920	Special Topics	3
ES 921	Sem in Envir Toxicology	2
ES 922	Sem in Envir Toxicology	2
ES 923	Sem in Envir Toxicology	2
ES 927	Biomedical Statistics	3
ES 930	Biochemistry	3
ES 933	Mutagenesis Carcinogenesis	3
ES 934	Molecular Basis of Gene Action	3
ES 935	Stat Aspects of Risk Assessmen	3
ES 936	Occ & Environ Epidemiology	3

THESIS (6 SCH)

Code	Title	Hours
ES 724	Research Problems	3-6

Environmental Toxicology, Doctor of Philosophy

Admission Criteria

The admission criteria for applicants to the Doctor of Philosophy Degree Program in Environmental Toxicology are summarized below.

1. Applicants for the Ph.D. degree program in environmental toxicology must meet the requirements for admission to the Graduate School. To be considered, the applicant must have earned the Master’s degree in an appropriate field of the natural sciences or in an equivalent discipline acceptable to the admissions committee. Exceptional applicants without a Master’s degree may be granted a probationary admission but will be required to complete a total of eighteen (18) credit hours of coursework at the master’s level in biology, chemistry, and/or the Environmental Toxicology Program as approved by the department.
2. Applicants who have earned the master’s degree must have a cumulative 3.3 grade point average on a 4.0 scale in their graduate work.
3. Applicants must present a Graduate Record Examination (GRE) score (combined verbal and quantitative), which is considered along with the applicant’s grade point average. In addition to the above requirements, the socioeconomic background of applicants will be considered in the admission process.

4. Economic status of family when applicant attended elementary, secondary, and undergraduate school.
 - a. Applicant's status of first-generation to attend undergraduate school. Applicant's status of first-generation to attend graduate or professional school.
 - b. Applicant is multilingual.
 - c. Applicant's employment while attending undergraduate school.
 - d. Applicant's role in helping rear other children in family.
 - e. Applicant's geographic residence in Texas at time of application.
 - f. Geographic region wherein applicant's high school is located.
 - g. Applicant's demonstration of performance in community activities.
 - h. Applicant's demonstration of commitment to a particular field of study.
 - i. The presence or absence of role models with comparable graduate school training in the applicant's region of residence.
5. Applicants must demonstrate acceptable proficiency in the use of the English language based upon performance on a standardized English Proficiency Test. (Performance on the analytical writing portion of the GRE may be considered as adequate by the Admissions Committee.)
6. International applicants, in addition to the above requirements, must present a TOEFL score of at least 550 or appropriate evidence of proficiency in the English language.
7. The formal application must include the following:
 - a. A completed application form and a non-refundable application fee.
 - b. At least three (3) recommendations from persons qualified to give an evaluation of the applicant's past scholastic performance, research and scientific abilities, and personal motivation.
 - c. An official transcript of credits earned at all colleges and/or universities attended by the applicant.
 - d. Scores from the Graduate Record Examination (general test). In addition, international applicants must provide TOEFL scores.

Degree Requirements

The overall requirements for the Doctor of Philosophy Degree in Environmental Toxicology are summarized as follows:

1. Satisfactory performance on qualifying examinations.
2. Completion of a total of sixty (60) semester credit hours above the master's degree. A minimum of twelve (12) credit hours must be completed in core courses and a minimum of twelve (12) credit hours of electives must be completed. Thirty six (36) credit hours are required for research and dissertation.
3. Of the total 60 credit hours, not more than nine (9) (not including the dissertation) can be transferred into the program from another university. Such transferred credits must have been earned in a doctoral program and must be of grade "B" (3.00) or better.
4. Satisfactory performance on the comprehensive examination.
5. Completion of residency requirement.
6. Completion of the research for an acceptable dissertation.
7. Satisfactory performance on an oral examination covering the dissertation.

Qualifying Examination

After the student has completed the core coursework requirements and, if necessary, other background courses in biology, chemistry,

and mathematics, he/she must pass the qualifying examination. These examinations will consist of subject matter contained in the core coursework. A student will be allowed two attempts to pass the qualifying examination and may petition to take them a third time. Students completing the Master of Science degree in Environmental Toxicology at TSU will be exempt from this requirement.

Residency Requirement

The residency requirement may be met by one of the following:

Enrollment in a minimum full-time course load in two consecutive semesters or a minimum full-time course load taken in a regular semester immediately preceding or following full-time enrollment in each of the summer terms.

Admission to Candidacy

As a condition for admission to doctoral candidacy, the student must complete all course work, except for the dissertation research, satisfy residency, pass the qualifying examination and successfully defend his/her research proposal.

Comprehensive Examination

A comprehensive examination is required of all doctoral students. It is recommended that the comprehensive examination be taken in the same semester of the student's dissertation defense. However, it can be taken after the all course work in the degree plan has been satisfied, the qualifying examinations have been passed and the dissertation proposal has been approved and accepted by the graduate school. The comprehensive examination will be composed of test items from the student's specialization area and questions from the basic core and related courses in environmental toxicology. The student will be allowed two attempts to pass the comprehensive examination and may petition the department to take it a third time.

Dissertation

The Ph.D. degree is primarily a research degree. The student is expected to demonstrate the ability to design a research project, implement it, contribute new knowledge to the field of study, and write an acceptable dissertation. The dissertation topic should be approved by the adviser and the dissertation committee.

The format of the dissertation, described in a booklet from the Office of the Graduate School, must be followed. The dissertation must be defended before the committee in an oral examination. Certification of successful completion of the oral examination requires the signature of all members of the dissertation committee. A student who fails the final oral examination on the dissertation may petition the Dean of the Graduate School through the department for a second attempt to pass the examination. All changes in the dissertation suggested by the committee after the Oral Examination must be made before the dissertation can receive the final approval of the Graduate School. In addition to the dissertation, the student is required to condense the dissertation or a portion of it into a paper suitable for publication in a refereed journal. This paper must accompany the dissertation when it is presented to the members of the committee. In addition, an abstract not exceeding 350 words must be prepared for submission to University Microfilms Incorporated.

Curriculum Summary

The objective of the Environmental Toxicology program is to provide training which will enable students to apply the principles and methods of the physical and biological sciences to the study of toxicants as a basis for solving problems associated with the presence of toxicants in the environment. Although the emphasis in the master's program will be on course work, the Ph.D. degree curriculum is designed to produce graduates who are highly skilled in designing and implementing research studies, analyzing data, and applying results that may be used in the formulation of policies and plans for a healthier environment.

Students in both the M.S. and Ph.D. degree programs will study the properties, fate, biological effects, detection and regulation of natural and/or man-made toxicants present in the environment. Toxicants may include air, water and soil pollutants, such as pesticides, industrial chemicals, and poisons produced by microbes, plants, and animals. The program for Ph.D. degree students will have a strong emphasis on research.

Research Topics

Students may pursue research problems in the following areas:

- air
- water
- soil pollution
- genetic toxicology
- chemistry and fate of pesticides
- pathogenesis of toxicants
- risk assessment
- natural toxicants

Time Limit for the Doctor of Philosophy Degree

After being admitted to a program leading to the Doctor of Philosophy degree, a student will be allowed seven (7) calendar years in which to complete all of the requirements for the degree, including transferred credit and prior credit at Texas Southern University. Continuation in the doctoral degree program beyond the seven-year limit must be approved by the student's doctoral degree advisory committee and the dean of the Graduate School.

The maximum time allowed to complete the doctoral program, including an approved extension is nine (9) calendar years. This time limit does not include work done as part of the requirements for a master's degree or that needed to complete any course work deficiencies as noted by a probationary admission.

Core Courses (12 SCH)

Code	Title	Hours
ES 701	Principles of Toxicology	3
ES 702	Environmental Toxicology I	3
ES 703	Environmental Science	3
ES 704	Aquatic Resources & Pollution	3
ES 705	Environmental Policy & MGMT	3
ES 707	Ground Water Contamination	3
ES 902	Environmental Toxicology II	3
ES 906	Environmental Geology	3

ES 908	Sample Analysis	3
ES 910	Reproductive Toxicology	3
ES 913	Adv Simulation Modeling	3
ES 929	Toxicology III	3
ES 931	Ethics	3

Electives (12 Sch)

Code	Title	Hours
ES 711	Air Pollution	3
ES 718	Special Topics Environ Tox	3
ES 720	GIS for Environmental Sciences	3
ES 730	Introduction to Remote Sensing Image Processing	3
ES 909	Sample Analysis Laboratory	3
ES 912	Neurotoxicology	3
ES 914	Modeling Laboratory	3
ES 915	Adv Physical Chemistry	3
ES 916	Chemistry of Natural Products	3
ES 919	Special Topics	3
ES 920	Special Topics	3
ES 921	Sem in Envir Toxicology	2
ES 922	Sem in Envir Toxicology	2
ES 923	Sem in Envir Toxicology	2
ES 927	Biomedical Statistics	3
ES 930	Biochemistry	3
ES 933	Mutagensis Carcinogenesis	3
ES 934	Molecular Basis of Gene Action	3
ES 935	Stat Aspects of Risk Assessment	3
ES 936	Occ & Environ Epidemiology	3

Dissertation (36 SCH)

Code	Title	Hours
ES 925	Research & Dissertation	3-12

Department of Mathematics

The Department of Mathematics offers the Master of Science program in Mathematics with the accelerated Master of Science program in Mathematics (5-year BS to MS). The Master of Science in Mathematics is a thirty-hour program, and it is designed to be completed with or without a thesis. The MS in Mathematics graduate program prepares students for two-year college teaching, careers in industry or government, and preparation for doctoral study.

Aims and Objectives

The Department of Mathematics considers three factors in planning its program: (1) the mathematics activities in the academic mainstream of the United States; (2) the philosophy, aims and objectives of the University; and (3) the past experiences of the students enrolled. In its graduate program, the Department seeks to accomplish the following objectives:

1. Provide mathematical training for elementary and secondary teachers, particularly those in urban schools.

2. Provide mathematical training for personnel in industry, government, and institutions of higher learning where higher mathematics is needed.
3. Provide graduate students in mathematics an opportunity to engage in research on new teaching methodologies, the development of new teaching materials, preparation of expository papers, and the development of new fundamental results.

The ultimate aim of the faculty in the Department of Mathematics is to prepare graduate students who are competent practitioners of mathematics and capable of serving as researchers, teachers, or applied mathematicians in various programs of industrial business and government.

Admissions Requirements

In addition to meeting the general requirements for admission to the Graduate School, students entering the graduate program are expected to have the following admission requirements:

- Students must complete twenty-seven (27) semester hours of mathematics, including at least twelve (12) hours of Calculus and at least 15 hours from the following list of courses (or courses equivalent to these): MATH 250, 251, 331, 336, 439 and 473.
- Students must have a minimum accumulated grade point average of 2.75/4,
- Students must have a minimum cumulative GPA of 3.0 in mathematics major courses

Applications cannot be evaluated until these requirements are met and the Graduate School receives the completed application. The entire admission process will be under the direction of the Graduate Faculty Committee in the Department of Mathematics and the Graduate Council in the Graduate School at the University.

- Mathematics, Masters of Science (p. 218)

Advanced Undergraduate/Graduate

MATH 430 The History Of Mathematics (3 Credits)

Lecture: 3, **Lab:** 0

The History of Mathematics (3) General view of the development of the elementary branches of mathematics; growth of higher mathematics in the eighteenth and nineteenth centuries. Three hours of lecture per week. Prerequisite: Twelve credits of college mathematics.

College/School: Col of Science, Engr & Tech

Department: Department of Mathematics

MATH 433 Concepts Structure Of Math (3 Credits)

Lecture: 3, **Lab:** 0

Concepts and Structure of Mathematics (3) Structure of the number system, elements of set theory, properties of real numbers, and basic concepts of mathematical systems. Presented for nonmajors. Three hours of lecture per week. Prerequisite: Consent of the instructor.

College/School: Col of Science, Engr & Tech

Department: Department of Mathematics

MATH 437 A Surv of Math Ideas (3 Credits)

Lecture: 3

Contemporary Mathematics and Its Applications (3) Applications of various mathematical topics and mathematical needs of people in some of the trades, professions, and scientific disciplines. Three hours of lecture per week. Prerequisite: MATH 314 or consent of the instructor.

Prerequisite(s): MATH 243

College/School: Col of Science, Engr & Tech

Department: Department of Mathematics

MATH 439 Introduction to Analysis (3 Credits)

Lecture: 3, **Lab:** 0

Introduction to Analysis (3) The real number system; elementary point set theory; sequences and series; continuity; possibly topics from differentiation and integration. Three hours of lecture per week. Prerequisites: MATH 243 and MATH 331.

Prerequisite(s): (MATH 243 and MATH 331)

College/School: Col of Science, Engr & Tech

Department: Department of Mathematics

MATH 460 Intro To Complex Analysis (3 Credits)

Lecture: 3, **Lab:** 0

Introduction to Complex Analysis (3) Complex numbers and complex geometry; limits, continuity, derivatives, and the Cauchy-Riemann equations; analytic and harmonic functions; Cauchy's Integral Theorem and its consequences. Three hours of lecture per week. Prerequisites: MATH 314 and MATH 331.

Prerequisite(s): (MATH 243 and MATH 331)

College/School: Col of Science, Engr & Tech

Department: Department of Mathematics

MATH 462 Intro To Topology (3 Credits)

Lecture: 3, **Lab:** 0

Introduction to Topology (3) Topics include metric spaces, connectedness, and compactness. The topology of Euclidean spaces discussed in detail as well as its generalization to nonmetric topological spaces. Three hours of lecture per week. Prerequisites: MATH 314 and MATH 331.

Prerequisite(s): (MATH 243 and MATH 331)

College/School: Col of Science, Engr & Tech

Department: Department of Mathematics

MATH 471 Topics In Math I (3 Credits)

Lecture: 3, **Lab:** 0

Topics in Mathematics I (3) New developments and trends in mathematics discussed. Three hours of lecture per week. Prerequisite: Consent of the instructor.

College/School: Col of Science, Engr & Tech

Department: Department of Mathematics

MATH 473 Probability & Statistics I (3 Credits)

Lecture: 3, **Lab:** 0

Probability and Statistics I (3) Introduction to probability and statistical inference making use of the calculus developed in MATH 241 and MATH 242. Three hours of lecture per week. Prerequisite: MATH 242.

Prerequisite(s): MATH 242 or MATH 2414

College/School: Col of Science, Engr & Tech

Department: Department of Mathematics

MATH 474 Probability & Statistics II (3 Credits)**Lecture:** 3, **Lab:** 0

Probability and Statistics II (3) Moments of distributions and Stieltjes integral; joint density functions; conditional means; moment generating functions; sequences of random variables; distribution theory; and hypothesis testing. Three hours of lecture per week. Prerequisite: MATH 473.

Prerequisite(s): MATH 473**College/School:** Col of Science, Engr & Tech**Department:** Department of Mathematics**MATH 475 Abstract Algebra (3 Credits)****Lecture:** 3, **Lab:** 0

Abstract Algebra (3) Group theory; Lagrange's Theorem; Isomorphism Theorem; Cayley's Theorem; rings and fields. Three hours of lecture per week. Prerequisite: MATH 336.

Prerequisite(s): MATH 336**College/School:** Col of Science, Engr & Tech**Department:** Department of Mathematics**MATH 490 Independent Study Undergrad (3 Credits)****Lecture:** 3, **Lab:** 0

Independent Study: Undergraduate (3) Intensive study of a topic in mathematics under the direction of a faculty member. Prerequisites: Senior standing and consent of the instructor.

College/School: Col of Science, Engr & Tech**Department:** Department of Mathematics**MATH 499 Seminar (3 Credits)****Lecture:** 3, **Lab:** 0

Seminar (3) Various topics in mathematics discussed. Three hours of lecture per week. Prerequisite: Consent of the instructor.

College/School: Col of Science, Engr & Tech**Department:** Department of Mathematics

Graduate

MATH 532 Intr to Number Systems (3 Credits)**Lecture:** 3

INTRODUCTION TO NUMBER SYSTEMS (3) Background concepts and terminology in sets, relations, mapping. Cartesian products; equivalence relations; elementary properties of the counting numbers; numeration systems; arithmetic in base 10 and bases other than 10; divisibility and primes; Euclidean Algorithm; Fundamental Theorem of Arithmetic consequences; the ring of integers modulo m ; Fermat's Theorem, elementary properties of the rational numbers; existence of irrational numbers.

College/School: Col of Science, Engr & Tech**Department:** Department of Mathematics**MATH 536 Geom For Tchrs (3 Credits)****Lecture:** 3, **Lab:** 0

GEOMETRY FOR TEACHERS (3) Foundations of geometry, nature of proof, coordinate systems, Euclidean, non-Euclidean and protective geometry.

College/School: Col of Science, Engr & Tech**Department:** Department of Mathematics**MATH 577 Fourier Series (3 Credits)****Lecture:** 3, **Lab:** 0

FOURIER SERIES (3) Study of approximations of functions by orthogonal systems of functions; Fourier series; orthonormal systems and generalized Fourier series, applications to boundary value problems. (Prerequisites: MATH 314 and 333)

Prerequisite(s): (MATH 314 and MATH 333)**College/School:** Col of Science, Engr & Tech**Department:** Department of Mathematics**MATH 578 Laplace Transforms (3 Credits)****Lecture:** 3, **Lab:** 0

LAPLACE TRANSFORMS (3) Definitions and elementary properties; transform of discontinuous functions; inverse transformations; convolution theorems, application to ordinary differential equations. (Prerequisite: MATH 439)

Prerequisite(s): (MATH 439)**College/School:** Col of Science, Engr & Tech**Department:** Department of Mathematics**MATH 599 Research & Conferences (3 Credits)****Lecture:** 3, **Lab:** 0

RESEARCH AND CONFERENCE (3) May not be repeated for graduate credit. (Prerequisite: Graduate standing and twelve [12] hours of senior undergraduate or graduate mathematics)

College/School: Col of Science, Engr & Tech**Department:** Department of Mathematics**MATH 631 Intro To The Found Of Math (3 Credits)****Lecture:** 3, **Lab:** 0

INTRODUCTION TO THE FOUNDATIONS OF MATHEMATICS (3) Evolution of Mathematical ideals and methods, relations to logic; the axiomatic method; the infinite paradoxes; contradictions. (Prerequisite: Graduate standing)

College/School: Col of Science, Engr & Tech**Department:** Department of Mathematics**MATH 633 Theory Functions Real Variable (3 Credits)****Lecture:** 3, **Lab:** 0

THEORY OF FUNCTIONS OF REAL NUMBERS (3) The fundamental part of the theory of functions of a real variable; the topology of the real line, limit, continuity, differentiation, Lebesgue measure, the Lebesgue integral. (Prerequisite: MATH 439)

Prerequisite(s): (MATH 439)**College/School:** Col of Science, Engr & Tech**Department:** Department of Mathematics**MATH 634 Theory Functions Complex Var (3 Credits)****Lecture:** 3, **Lab:** 0

THEORY OF FUNCTIONS OF COMPLEX VARIABLES (3) The fundamental part of the theory of functions of a complex variable; complex number system, limits continuity, derivatives of complex functions, integration in the complex domain. (Prerequisite: MATH 460 or consent of instructor)

Prerequisite(s): (MATH 460)**College/School:** Col of Science, Engr & Tech**Department:** Department of Mathematics

MATH 636 Point Set Topology (3 Credits)**Lecture:** 3, **Lab:** 0

TOPOLOGY (3) Introduction to the study of point set topology: topological spaces, metric space, the topology of the real line and real plane, continuous functions, homeomorphisms, product spaces, compactness, connectivity, separation theorems. (Prerequisites: MATH 462 and MATH 439 or instructor's consent)

Prerequisite(s): (MATH 439 and MATH 462)**College/School:** Col of Science, Engr & Tech**Department:** Department of Mathematics**MATH 637 Functional Analysis (3 Credits)****Lecture:** 3, **Lab:** 0

FUNCTIONAL ANALYSIS (3) Introduction to functional analysis: finite and infinite dimensional vector spaces norms and inner products, Banach space, Hilbert space, L-space, linear operators. (Prerequisites: MATH 636 and MATH 633 or instructor's consent)

Prerequisite(s): (MATH 636 and MATH 633)**College/School:** Col of Science, Engr & Tech**Department:** Department of Mathematics**MATH 638 Partial Differential Equations (3 Credits)****Lecture:** 3, **Lab:** 0

PARTIAL DIFFERENTIAL EQUATIONS (3) Definitions of equations and their solutions: method of Jacobi and Mange, solutions by quadrature, existence theorems, separation of variables, elliptic, parabolic and hyperbolic systems, and operational methods. (Prerequisites: MATH 376 and MATH 333)

Prerequisite(s): (MATH 333 and MATH 376)**College/School:** Col of Science, Engr & Tech**Department:** Department of Mathematics**MATH 732 Theory Of Numbers (3 Credits)****Lecture:** 3, **Lab:** 0

THEORY OF NUMBERS (3) Elementary properties of integers, the theorems of Fermat and Wilson the theory of congruencies, quadratic residues, the reciprocity theorem, Diophantine equations, definite and indefinite binary quadratic forms, ternary quadratic forms, regular and irregular forms. (Prerequisite: MATH 331)

Prerequisite(s): (MATH 331)**College/School:** Col of Science, Engr & Tech**Department:** Department of Mathematics**MATH 733 Abstract Algebra (3 Credits)****Lecture:** 3, **Lab:** 0

ABSTRACT ALGEBRA (3) Advanced topics in modern algebra: generally the topics will be in one or more of the areas: group theory, theory of rings and fields, homological algebra. (Prerequisite: MATH 475)

Prerequisite(s): (MATH 475)**College/School:** Col of Science, Engr & Tech**Department:** Department of Mathematics**MATH 790 Independent Study Grad (3 Credits)****Lecture:** 3, **Lab:** 0

INDEPENDENT STUDY: Graduate standing / approval of advisor.

College/School: Col of Science, Engr & Tech**Department:** Department of Mathematics**MATH 831 Theory Of Probability (3 Credits)****Lecture:** 3, **Lab:** 0

THEORY OF PROBABILITY (3) Theory of expectation, dependent and independent variables, Tchebycheff's inequality, the probability integral applications to statistical theory. (Prerequisite: MATH 473 and 474)

Prerequisite(s): (MATH 473 and MATH 474)**College/School:** Col of Science, Engr & Tech**Department:** Department of Mathematics**MATH 832 Finite Differences (3 Credits)****Lecture:** 3, **Lab:** 0

FINITE DIFFERENCES (3) Tables of differences, difference formulas, finite integration with applications, interpolation, approximate integration, beta and gamma functions, difference equations.

College/School: Col of Science, Engr & Tech**Department:** Department of Mathematics**MATH 833 Mathematical Statistics (3 Credits)****Lecture:** 3, **Lab:** 0

MATHEMATICAL STATISTICS (3) Moments, distributions of functions of random variable, internal estimation, limiting distributions, sufficient statistics, point estimation, and statistical hypothesis. (Prerequisite: MATH 474)

Prerequisite(s): (MATH 474)**College/School:** Col of Science, Engr & Tech**Department:** Department of Mathematics**MATH 861 Research Problems (3,6 Credits)****Lecture:** 0, **Lab:** 0

RESEARCH PROBLEMS (3) Investigation by the student of a specific problem in mathematics. (Prerequisite: Approval of the department chairperson)

College/School: Col of Science, Engr & Tech**Department:** Department of Mathematics**MATH 5331 Intro to Analysis I (3 Credits)****Lecture:** 3, **Lab:** 0

An introduction to real analysis. Topics covered in this course are real numbers, sequences, limits, continuity, and differentiation. This course is intended to be an introduction to real analysis. Student Learning outcomes: After successfully completing the course students should be familiar with epsilon-delta notation, Weierstrass Theorem, Heine Borel Theorem, Compactness, Differentiability, Continuity, Uniform Continuity, The Mean Value Theorem. (Prerequisite: MATH 331 (MATH 3331) and MATH 243).

Prerequisite(s): (MATH 3331 or MATH 331) and MATH 243**College/School:** Col of Science, Engr & Tech**Department:** Department of Mathematics**MATH 5332 Intro to Analysis II (3 Credits)****Lecture:** 3

This is the second part of a two-semester course in Introduction to Real Analysis. Topics include real number system; sequences and series; limit, continuity and differentiation; the Riemann integral; sequences and series of functions; elementary metric space theory including compactness, connectedness and completeness; differentiation and integration of functions of several variables. (Prerequisite: MATH 5331)

Prerequisite(s): MATH 5331**College/School:** Col of Science, Engr & Tech**Department:** Department of Mathematics

MATH 6332 Graph Theory (3 Credits)

Lecture: 3

This course is intended for graduate students and will prepare you for further study in mathematics, science, technology, engineering, and business courses. (Prerequisite: MATH 2318 (formerly MATH 250) & MATH 331) or Department/Instructor Consent.

Prerequisite(s): (MATH 2318 or MATH 250) and MATH 331

College/School: Col of Science, Engr & Tech

Department: Department of Mathematics

MATH 6337 Abstract Algebra II (3 Credits)

Lecture: 3

This course is intended for graduate students to expand their understanding of mathematical proofs in modern algebra: generally the topics will be in one or more of the areas: group theory, theory of rings and fields, homological algebra. (Prerequisite: MATH 733 or MATH 6336).

Prerequisite(s): (MATH 733 or MATH 6336)

College/School: Col of Science, Engr & Tech

Department: Department of Mathematics

MATH 6364 Numerical Analysis (3 Credits)

Lecture: 3

This course is intended for graduate students core areas of numerical analysis and scientific computing along with basic themes such as solving nonlinear equations, interpolation and splines fitting, curve fitting, numerical differentiation and integration, initial value problems of ordinary differential equations, direct methods for solving linear systems of equations, and finite-difference approximation to a two-points boundary value problem. This is an introductory course and will be a mix of mathematics and computing. (Prerequisite: MATH 251 (MATH 2320)) or Department Consent.

Prerequisite(s): MATH 251 or MATH 2320

College/School: Col of Science, Engr & Tech

Department: Department of Mathematics

MATH 6377 Advanced Linear Algebra I (3 Credits)

Lecture: 3

This course is intended for graduate students to expand their understanding of mathematical proofs in Linear systems of equations, matrices, determinants, vector spaces and linear transformations, eigenvalues and eigenvectors. (Prerequisite: MATH 2318 (formerly MATH 250) and MATH 631) or Department Consent.

Prerequisite(s): (MATH 2318 or MATH 250) and MATH 631

College/School: Col of Science, Engr & Tech

Department: Department of Mathematics

MATH 6378 Advanced Linear Algebra II (3 Credits)

Lecture: 3

This course is intended for graduate students as a continuation of MATH 6377 to Determinants, eigenvalues, eigenvectors, and diagonalization, canonical forms, and inner product and norm, Gram-Schmidt process. (Prerequisite: MATH 6377) or Department Consent.

Prerequisite(s): MATH 6377

College/School: Col of Science, Engr & Tech

Department: Department of Mathematics

Mathematics, Masters of Science Degree Requirements

The requirements for the master's degree in mathematics are as follows:

- 1. Students must pass an oral proficiency examination on the fundamentals of mathematics during the third semester of the program. This examination will be administered by the student's

graduate committee and this examination cannot be taken more than two times.

- 2. A minimum of thirty (30) semester hours of graduate work. Some 400-level courses can be counted toward the master's degree, but at most two such courses.
- 3. An acceptable thesis on the subject approved by both the Department of Mathematics and the Graduate School if the thesis option is selected.
- 4. Other general University requirements

A student pursuing a Master of Science degree in mathematics is required to enroll in the following courses:

Code	Title	Hours
MATH 631	Intro To The Found Of Math	3
MATH 633	Theory Functions Real Variable	3
MATH 634	Theory Functions Complex Var	3
MATH 636	Point Set Topology	3
MATH 733	Abstract Algebra	3
Total Hours		15

Math Electives

Code	Title	Hours
Choose three courses from:		9
MATH 4xx		
MATH 5xx		
MATH 6xx		
MATH 7xx		
Total Hours		9

math electives or thesis

Code	Title	Hours
Graduate Level Math courses or Thesis		6
Total Hours		6

Department of Transportation Studies

- Transportation Planning and Management (Non-Thesis Option), Master of Science (p. 222)
- Transportation Planning and Management (Thesis Option), Master of Science (p. 225)

TMGT 810 Fund Of Trans (3 Credits)

Lecture: 3, Lab: 0

Fundamentals of Transportation (3) This course presents an introduction to the organizational, economic, social, and environmental aspects of transportation; historical development and characteristics of various modes of travel, including rail, highway, air, pipeline and water transportation; comparative analysis of domestic and international systems; and administration of public transportation by providers, carriers and government.

College/School: Col of Science, Engr & Tech

Department: Dept of TransportStud

TMGT 811 Fund of Shipping (3 Credits)**Lecture:** 3

Fundamentals of Shipping (3) This course is designed to provide graduate students with nonmaritime backgrounds an overview of the shipping industry. It presents elements of commercial shipping, shipping terminology, maritime geography, sea transport, cargo vessel types, vessel size groups, the liners, liner conferences, chartering, shipping documentation, the bill of lading, multimodal transport, marine insurance and general average.

College/School: Col of Science, Engr & Tech**Department:** Dept of TransportStud**TMGT 812 Prin Trans & Des Engrng (3 Credits)****Lecture:** 3, **Lab:** 0

Principles of Transportation Design and Engineering (3) This course presents criteria and parameters for the design and engineering of streets and highways, railroads and transit guideways, land transportation terminals, and air and water transportation facilities. Design considerations include system components, such as human factors, environmental constraints, and operational factors; Intelligent Transportation Systems (ITS), and other emerging technologies

College/School: Col of Science, Engr & Tech**Department:** Dept of TransportStud**TMGT 815 Computer Apps In Trans (3 Credits)****Lecture:** 3, **Lab:** 0

Computer Applications in Transportation (3) This course is an introduction to basic computer software for planning and analysis of transportation operations. Both general purpose and specialized software in such areas as traffic engineering, highway operations, transit operations and transportation planning will be considered. Examples of software to be covered include CORSIM, TRANSYT-7F, INTEGRATION, SYNCHRO, HCS, QRS II, etc.

College/School: Col of Science, Engr & Tech**Department:** Dept of TransportStud**TMGT 818 Trans Research Method (3 Credits)****Lecture:** 3

This course is designed to provided graduate students with the foundational knowledge required to conduct transportation related reseach. It introduces the basics of compositing a research question and objectives, determining appropriate methodoligical applications, linking literature with study objectives and identified methodologies, applying statistics and computer based tools for transportation operation and planning analysis and writing technically for transportation reports. 3 hours per week.

College/School: Col of Science, Engr & Tech**Department:** Dept of TransportStud**TMGT 820 Trans Mgmt & Policy (3 Credits)****Lecture:** 3, **Lab:** 0

Transportation Management and Policy (3) This course presents elements of the transportation environment; formulation and determinants of national, regional and urban/rural transportation policy; roles of regulation and community attitudes; and other impacts on transportation policy.

College/School: Col of Science, Engr & Tech**Department:** Dept of TransportStud**TMGT 823 Economics Of Trans (3 Credits)****Lecture:** 3, **Lab:** 0

Economics of Transportation (3) This course presents economic characteristics of selected transportation technologies; capital and operational costs of highway and public transportation modes; financing mechanisms and revenue sources for various modes; economic evaluation of alternative systems; cost effectiveness; micro-economic theoretical tools, investment appraisal, pricing techniques; role of domestic and international shipping in the U.S. economy; economic characteristics of waterborne transportation, including the nature of transport demand and cost functions; economic dimension of transportation service; and transportation market structures and transport pricing theory and practice.

College/School: Col of Science, Engr & Tech**Department:** Dept of TransportStud**TMGT 825 Marine Trans Sys (3 Credits)****Lecture:** 3, **Lab:** 0

Marine Transport Systems (3) This course presents types of ocean transportation and port facilities, role of port authorities in international transportation; domestic waterway operations; international water carriage; and elements and factors involved in international trade and their impact on transportation and marketing.

College/School: Col of Science, Engr & Tech**Department:** Dept of TransportStud**TMGT 826 Ship Operations & Mgmt (3 Credits)****Lecture:** 3

Ship Operations and Management (3) This course presents thorough knowledge of key functions in ship management and responsibilities in each area, i.e. commercial, operational, technical, crewing, bunkers, finance and administration; different types of organizational structure from all functions in-house, partly contracted or fully contracted out. Students are expected to understand thoroughly the structure and essential components of a ship management contract and become aware of standard documents including BIMCO Shipman, FUELCON, Lloyds Open Form 2000.

College/School: Col of Science, Engr & Tech**Department:** Dept of TransportStud**TMGT 830 Urban Trans Plng (3 Credits)****Lecture:** 3, **Lab:** 0

Urban Transportation Planning (3) This course presents perspectives on the context of and approaches to planning for public transportation services; long range versus short range planning; the program development process for transportation systems management (TSM) strategies and the comprehensive planning process; and alternative approaches to planning and citizen participation.

College/School: Col of Science, Engr & Tech**Department:** Dept of TransportStud**TMGT 840 Quan Anal For Trans (3 Credits)****Lecture:** 3, **Lab:** 0

Quantitative Analysis of Transportation (3) This course is an introduction to analytic tools for operational and managerial decision making in transportation, including linear programming, dynamic programming, network analysis, queuing analysis and simulation.

College/School: Col of Science, Engr & Tech**Department:** Dept of TransportStud

TMGT 842 Tran Project Implementation (3 Credits)**Lecture:** 3, **Lab:** 0

Transportation Project Implementation (3) Project implementation is a key outcome of the transportation planning and management process. Environmental impact statement, and citizen involvement are critical elements leading to implementation. Students enrolled in this course will learn the federal requirements and environmental process relating to transportation projects, project management strategies and software and learn how to incorporate citizen input into the design and implementation process.

College/School: Col of Science, Engr & Tech**Department:** Dept of TransportStud**TMGT 845 Sys Anal In Trans (3 Credits)****Lecture:** 3, **Lab:** 0

Transportation Systems Analysis (3) This course presents the system approach and its application to transportation engineering and planning; the transportation industry as a productive system; the use of Transportation System Management (TSM) strategies; and systems analysis techniques including optimization, evaluation and systems modeling.

College/School: Col of Science, Engr & Tech**Department:** Dept of TransportStud**TMGT 846 Tran Infrastructure Mgmt (3 Credits)****Lecture:** 3

Transportation Infrastructure Management (3) This course presents an integrated approach to the management of infrastructure systems. Analysis methods are developed recognizing the multidimensional nature of performance of facilities, resource constraints and technological innovations and institutional factors. Emphasis on an integrated approach to the design, construction, operations, maintenance and rehabilitation of facilities is through an understanding of the performance of facilities, approaches to management and available tools and developing technologies.

College/School: Col of Science, Engr & Tech**Department:** Dept of TransportStud**TMGT 850 Travel Demand Analysis (3 Credits)****Lecture:** 3, **Lab:** 0

Travel Demand Forecasting and Analysis (3) This course presents travel demand forecasting theories and applications. It presents traditional four-step travel demand forecasting models: trip generation, trip distribution, modal split, and traffic assignment, as well as activity-based travel demand forecasting methods. Computer models to be covered include QRS II, EMME2, TransCad, and TRANSIM.

College/School: Col of Science, Engr & Tech**Department:** Dept of TransportStud**TMGT 855 Site Traffic Analysis (3 Credits)****Lecture:** 3, **Lab:** 0

Site Traffic Analysis (3) This course presents the basic theory and methodologies in site traffic analysis, including statistical applications in traffic engineering; volume studies and characteristics; speed, travel time, and delay studies; crash studies; and parking studies. Students will be trained through several field surveys of volume, speed and delay, and are expected to have the basic ability to conduct on-site traffic analysis.

College/School: Col of Science, Engr & Tech**Department:** Dept of TransportStud**TMGT 860 Special Lecture Series (3 Credits)****Lecture:** 3

Transportation Special Lectures (3) This course invites transportation engineers, planners, and managers from both public and private organizations to give special lectures on various transportation topics.

College/School: Col of Science, Engr & Tech**Department:** Dept of TransportStud**TMGT 862 Hwy Traffic Operations (3 Credits)****Lecture:** 3, **Lab:** 0

Highway Traffic Operations (3) This course presents factors related to freeway operations and traffic signal operations: macroscopic and microscopic traffic stream characteristics, capacity analysis techniques, shockwave theory, freeway traffic management systems, freeway traffic simulations, and evaluation and optimization of traffic signal timings. Software to be covered in this course includes HCS, INTEGRATION, CORSIM, and TRANSYT-7F.

College/School: Col of Science, Engr & Tech**Department:** Dept of TransportStud**TMGT 865 Traffic Signals & Signal Ctrl (3 Credits)****Lecture:** 3

Traffic Signals and Signal Control (3) This course presents the basic elements of traffic signals and signal timings including controllers, cycle length, phase structure, offset, change interval, all-red-interval, and split-phase; signal warrants that are included in the Manual on Uniform Traffic Control Devices (MUTCD); traffic signal timing optimization and evaluation software such as TRANSYT-7F, PASSER, TEAPAC, SYNCHRO, CORSIM, etc.; real-time traffic signal control systems such as SCOOT, SCATS and RT-TRACS; and relations of traffic signal operations with other elements of ITS applications.

College/School: Col of Science, Engr & Tech**Department:** Dept of TransportStud**TMGT 866 Mktg of Maritime Trans Svcs (3 Credits)****Lecture:** 3

Marketing of Maritime Transportation Services (3) This course presents the basic knowledge and skills about marketing, planning, and analysis applicable to maritime related service firms, including both ship operators and ship owners. Topics include the assessment of internal vs. external customer needs; quality control; competitive strategies; applications of marketing principles and practices to the maritime industry.

College/School: Col of Science, Engr & Tech**Department:** Dept of TransportStud**TMGT 867 Marine Trans Sys Dsgn & Policy (3 Credits)****Lecture:** 3

Marine Transportation System Design and Policy (3) This course presents a historical review of the interaction between American shipping policy, and the design of Vessels, Fleets, and Port Systems. It will also introduce the effects of market structure on economics and finance; port performance and performance measures; the impact of Cabotage Laws, CDS and ODS subsidies, and fleets of a Planned Economy upon domestic and global trade.

College/School: Col of Science, Engr & Tech**Department:** Dept of TransportStud

TMGT 868 Maritime Operations & Tech (3 Credits)**Lecture: 3**

Maritime Operations and Technology (3) This course examines the role of technology in the maritime business environment. Topics include the technical knowledge of selected aspects in vessel design and operation and/or related maritime land-based or offshore structures, sub-sea engineering/mining, maritime related research, smart locks, use of Physical Oceanographic Real-Time System (PORTS®), AIS, VTS, VDR, GPS, AVRA in vessel and cargo tracking, safety and accident investigations, economic efficiency, coastal resource protection, litigation, and risk assessment.

College/School: Col of Science, Engr & Tech

Department: Dept of TransportStud

TMGT 869 Marine Ins & Cargo Loss Ctrl (3 Credits)**Lecture: 3**

Marine Insurance and Cargo Loss Control (3) This course presents the theory, techniques, participants and background of risk assessment and management with emphasis given to contemporary issues in marine insurance law. Topics include admiralty salvage claims, general average history and evolution into its present form, marine liability coverage, cause of loss, additional perils, exclusions, warranties, duration of risk, adjustment clauses, operating clauses, civil commotions, war insurance, and project risk management techniques.

College/School: Col of Science, Engr & Tech

Department: Dept of TransportStud

TMGT 870 Freight & Log Mgmt (3 Credits)**Lecture: 3, Lab: 0**

Freight and Logistics Management (3) This course presents U.S. and international movement of goods, including railroads, trucking, air carriers and ocean transport; coordination between the modes; principles of logistics management.

College/School: Col of Science, Engr & Tech

Department: Dept of TransportStud

TMGT 871 Maritime Global Trading Sys (3 Credits)**Lecture: 3**

Maritime Global Trading System (3) This course introduces the theory of international waterborne trade. It provides a basis for examining American foreign trade policy, and regional and world trade institutions such as the WTO, ASEAN, the EU, GATT, and NAFTA. Topics include: International trade theory and policy, open-economy macroeconomic policy, tariffs, non-tariff barriers and enhancements, multinational enterprises and foreign direct investment, global competition and integration.

College/School: Col of Science, Engr & Tech

Department: Dept of TransportStud

TMGT 872 Maritime Ship & Port Security (3 Credits)**Lecture: 3**

Maritime Ship and Port Security (3) This course examines ground-level issues, tasks, and responsibilities managed by the Port Security, Officer, Port Director, Federal and local law enforcement agencies to deal with various levels of Threat Analysis as well as responses by Vessels, Companies, and Terminals to various emergencies such as disasters from fire, explosion, petrochemical releases, or hurricanes that may require evacuations of various scale. It will also examine the role of third party contractors in Vessel and Facility Threat Assessment and countermeasures used as response to Piracy and Terrorism.

College/School: Col of Science, Engr & Tech

Department: Dept of TransportStud

TMGT 875 Seminar on Ports and Waterways (3 Credits)**Lecture: 3**

Ports and Waterway (3) This course presents problems and issues related to ports and waterway transportation.

College/School: Col of Science, Engr & Tech

Department: Dept of TransportStud

TMGT 876 Advanced Maritime Law (3 Credits)**Lecture: 3, Lab: 0**

Advanced Maritime Law (3) This course introduces the American legal system and analysis of the public policy behind the law. Fundamental and advanced concepts of maritime law to give the students an understanding of the role and importance of maritime law in inland and ocean shipping transportation. Topics include: nature and sources of the law, jurisdiction, constitutional law, administrative law, torts, contracts, seaman rights, collision, pollution, and salvage.

College/School: Col of Science, Engr & Tech

Department: Dept of TransportStud

TMGT 880 ITS Tech & Applications (3 Credits)**Lecture: 3**

ITS Technologies and Applications (3) This course introduces the basic concepts and applications of the Intelligent Transportation Systems (ITS) technologies. Selected technologies in each category of ITS User Services that are defined in The National Architecture for ITS are introduced. Methodologies for evaluating the effectiveness and efficiency of ITS systems will be introduced with an emphasis on the advanced simulation models. The selected deployment examples of ITS systems will be examined to identify the policy, institutional and technological barriers that effect the ITS development and deployment.

College/School: Col of Science, Engr & Tech

Department: Dept of TransportStud

TMGT 882 GIS for Transportation (3 Credits)**Lecture: 3, Lab: 0**

Geographical Information Systems for Transportation (3) This course will include three parts. The first part will introduce the basic concepts of GIS system, including the definition of GIS, the data structures that support spatial and attribute data, coordinate system, map projections and so on. In the second part, the basic skills of ArcGIS software package will be taught through lectures and laboratory work. The third part will introduce some feature GIS applications in transportation, such as GPS data analysis for deriving travel time information, transit bus stops and routes design, hurricane evacuation route design and monitoring, identifying hot spots of accidents, etc.

College/School: Col of Science, Engr & Tech

Department: Dept of TransportStud

TMGT 885 Quan Asmt Tran Envir Impact (3 Credits)**Lecture: 3**

Quantitative Assessment of Transportation Environmental Impact (3) This course will include five parts. The first part will discuss the overall effects of transportation and related activities on the environment and present the indicators of these impacts. The second part will introduce the environmental laws and regulations in transportation and their roles in the project development process. The third part will focus on the air quality impacts of transportation. The fourth part of this course will focus on the transportation noise issues. In the last part of this course, the solutions or the traffic management strategies for mitigating the environmental impacts of transportation will be introduced.

College/School: Col of Science, Engr & Tech

Department: Dept of TransportStud

TMGT 890 Transportatoin Seminar (3 Credits)**Lecture:** 3, **Lab:** 0

Transportation Seminar (3) This course provides an opportunity for students and the instructor to discuss recent developments and issues in transportation, i.e., policies, energy and environmental issues, notably implementation of the Clean Air Act Amendments (CAAA); urban air quality and the economic impact of various strategies, and applications of advanced technologies in transportation including the Intelligent Transportation Systems (ITS).

College/School: Col of Science, Engr & Tech**Department:** Dept of TransportStud**TMGT 895 Internship (3 Credits)****Lecture:** 0, **Lab:** 9

Internship (3) Students enrolled in this course are required to submit a written report of the internship or project experience, detailing the specific tasks performed, contributions and the organizational setting is required.

College/School: Col of Science, Engr & Tech**Department:** Dept of TransportStud**TMGT 896 Internship II (1 Credits)****Lecture:** 1**College/School:** Col of Science, Engr & Tech**Department:** Dept of TransportStud**TMGT 899 Thesis (1-6 Credits)****Lecture:** 0, **Lab:** 12

Thesis (3) Students enrolled in this course are required to submit a written research thesis. Thesis must be the product of independent research and must exhibit substantive depth, logical organization, and clarity of presentation. A faculty committee will evaluate the student's progress, and the thesis. A thesis option student needs to enroll three times in this course in order to get the required 9 semester credit hours.

College/School: Col of Science, Engr & Tech**Department:** Dept of TransportStud**AJ 614 Issues in Terrorism and AJ (3 Credits)****Lecture:** 3

AJ 614 Issues in Terrorism and the Administration of Justice (3) This course presents an analysis of the impact of terrorism on administration and management of justice agencies. Topics covered include domestic and international terrorism, integrated terrorism information systems, secure confinement, and technological developments. (Prerequisites: AJ 501, 607.)

Prerequisite(s): AJ 501 and AJ 607**College/School:** The School of Public Affairs**Department:** Dept of Admin of Justice

Transportation Planning and Management (Non-Thesis Option), Master of Science

General Information

Graduate study in Transportation Planning and Management at Texas Southern University focuses on developing an interdisciplinary program designed to train outstanding students for successful careers in the field of Transportation. Programmatic emphasis is on preparing the student to enter the public and private sector with considerable training and advanced knowledge concerning transportation planning and policy, highway traffic operations, transportation systems and technology, transportation logistics and management, maritime transportation

management and security, and homeland security. Emphasis is on technical and economic as well as public policy aspects of transportation systems.

For those focusing on planning or operations careers, the TSU transportation program has a strong foundation in traffic operations, transportation planning, public transportation and Intelligent Transportation Systems (ITS). Students may structure degree programs to build on these strengths. For those pursuing management careers, TSU transportation programs have strong foundations in transportation principles, transportation systems and technologies, highway traffic operations, economics and finance, logistics, maritime transportation, homeland security, and transportation policy and management.

Through a rigorous graduate program of instruction, students will develop problem solving and analytical thinking skills by the study of transport system design, planning, and analysis. Students will also master appropriate research skills for use in both public and private transportation-related agencies and organizations. Graduate students and their faculty advisors will form research partnerships based upon their particular interests and the current needs of the transportation industry.

Majors in transportation are provided with unique opportunities to work with transportation experts through the Center for Transportation Training and Research (CTTR), the National Transportation Security Center of Excellence for Petrochemical (NTSCE-P), and the Innovative Transportation Research Institute (ITRI) at Texas Southern University. The CTTR, NTSCE-P and ITRI provide training programs with specialized internships and research opportunities through ongoing applied and empirical research and include demonstration activities.

Vision

We envision an education, research, training, and technology transfer program designed to develop a skilled and educated workforce that is highly competitive in a global market. The academic research and training program serves as an important resource of traffic and transportation engineers, planners, systems analyst, policy makers, business and industry leaders, logistics specialists, port managers, and security specialists for local, state, and federal governments, community organizations and agencies, and consulting companies in the nation.

Mission

In keeping with the traditional and urban mission of Texas Southern University, the Division of Transportation Studies in the College of Science, Engineering and Technology will provide education that builds on the latest data, systems and technologies in transportation. In preparing the next generation of transportation professionals, particular attention will be given to attracting and retaining individuals who represent diverse backgrounds socially, economically, and academically, and especially those who have not been well represented among transportation professionals in the past. There is a strong commitment to partnership development and a climate wherein various racial/ethnic and culturally diverse groups can develop their full potential.

Goals and Objectives

The primary goal of the academic program is to educate transportation planners, engineers, specialists, and managers who are able to plan, functionally design, and operate facilities and systems which satisfy the demand for both passenger and freight transportation services. To fulfill both the traditional and urban mission of Texas Southern University, the

Transportation Studies Department has established strategic planning initiatives to fulfill both short and long term needs. The Transportation Studies Department shall

- Improve and expand transportation education, training and research.
- Advance technology transfer and expertise.
- Foster sound linkages between the department, other University units, and the public and the private transportation sectors.
- Participate in local, state and federal research and training initiatives.

The principal objectives of graduate study in transportation are:

1. to provide students with the professional knowledge and skills needed to compete successfully in a global economy;
2. to enhance students' abilities to develop creative solutions to complex problems in the context of socioeconomic and environmental considerations; and
3. to develop innovative ways to address transportation needs and problems.

The central focus of the academic program is to:

- identify and respond to the training needs of the transportation industry;
- provide an environment which enables students to develop maximum potential;
- encourage visionary and creative thinking;
- provide varied internships and research opportunities which acquaint students with human knowledge and actual work experiences;
- offer transportation education and training programs directed toward career development in cooperation with business, industry, labor, and public service agencies; and
- identify and meet professional and in service training needs through specialized short-courses, conferences, symposia, and/or seminars.

Requirements for Admission

Applicants must hold a bachelor's degree from an institution of acceptable standing and have a grade point average point of "B" or better in work completed during the last two years of undergraduate study. The applicant who will receive the bachelor's degree at the end of the semester or term when applying for admission will be considered for a conditional admission. The bachelor's degree may be in:

- engineering,
- natural sciences,
- urban/city planning,
- business,
- public administration,
- political studies,
- geography,
- sociology,
- airway science/aviation,
- avionics,
- economics, or
- other transportation-related fields.

The applicant must meet the criteria for admission to the Graduate School. Applications cannot be evaluated until these requirements

are met and the Graduate School receives the completed application. Application for admission forms may be obtained from:

The Graduate School
Texas Southern University
3100 Cleburne Avenue
Houston, Texas 77004

For information call the Graduate School at (713) 313-7233, or visit the department website and detailed information on the application steps can be found and downloaded at <http://transportation.tsu.edu/>.

Admission of International Students

Applications from international students are evaluated in the same manner as those of students from the United States. However, international students who have not received any degree or diploma in an institution whose official language is English must satisfactorily pass the Test of English as a Foreign Language (TOEFL) examination. This requirement is designed to determine whether or not students have a sufficient command of English to enable them to pursue their graduate studies effectively.

Degree Requirements

The Master of Science in Transportation Planning and Management degree program is structured to provide a common core of educational and training experiences as well as to provide the flexibility for interfacing with a variety of related disciplines. Efforts are made to equip students with the basic analytical, managerial, and planning competencies necessary either to work in the transportation industry immediately or to advance to doctoral study successfully.

Basic Requirements

1. Completion of a total of thirty-nine (39) semester credit hours of prescribed coursework.
2. A minimum 3.0 (A = 4.00) quality point average for all graduate work attempted.
3. Demonstration of acceptable grasp of the core courses by successful completion of the written comprehensive examination.
4. Completion of an internship/project report for all non-thesis option students.
5. Completion and successful defense of a thesis with the quality of scientific research for all thesis option students.
6. Demonstration of English proficiency by successfully completing the course English 501 Graduate Professional Writing, or by taking Graduate Record Examination (GRE) or Graduate Management Admission Test (GMAT) and getting score 3.5 or better on the analytical writing portion of the GRE or GMAT.
7. All other requirements of the Graduate School in Texas Southern University.

Computer Literacy

Students will be exposed to uses of computers and computer packages in transportation as part of the curricula. Emphasis is on personal and microcomputers. Students will use packages in highway capacity, traffic signal timing and coordination, traffic simulation and travel demand models in required course work. Students have access to TSU's personal computer laboratories with access to the Internet.

Thesis

Students electing the non-thesis option are not required to complete a thesis.

The culmination of the thesis program is the successful completion and defense of a thesis which is based upon independent research. The thesis must be prepared in a way that demonstrates rigorous, independent, empirical or applied research. This option will require that the final product of independent research is prepared in a way that demonstrates that the student has acquired a high level analytical ability. The research must exhibit substantive depth, logical organization, high level of creativity, and clarity of ideas. A faculty committee guides the student's work and evaluates the thesis. Students choosing the thesis track must enroll in the thesis course for a total of 6-9 hours, 3 of which can be substituted for by the internship class. The thesis course receives a grade of satisfactory or unsatisfactory only. Grades are assigned only after the defense of the thesis. A successful defense and submission of the thesis requires the supervising member of faculty to assign a satisfactory grade for the thesis course.

Internship

Students electing the thesis option are not required to complete an internship.

Students electing the non-thesis option are required to submit a final report on an investigation conducted while completing the internship or a project report assigned by the faculty advisor. Placements of internships will be sought with various public/private transportation agencies and firms. Students choosing this track must enroll in the 3-hour internship class.

Summary

Code	Title	Hours
	Core Curriculum (p. 224)	15
	Electives & Concentrations (p. 224)	21
	Internship (p. 224)	3
Total Hours		39

Core Curriculum Requirements (15 SCH)

Code	Title	Hours
Maritime Management and Security		
TMGT 810	Fund Of Trans	3
TMGT 811	Fund of Shipping	3
TMGT 815	Computer Apps In Trans	3
TMGT 823	Economics Of Trans	3
TMGT 826	Ship Operations & Mgmt	3
Other Concentrations		
TMGT 810	Fund Of Trans	3
TMGT 812	Prin Trans & Des Engrng	3
TMGT 815	Computer Apps In Trans	3
TMGT 823	Economics Of Trans	3
TMGT 830	Urban Trans Plng	3

SPECIALIZATION Electives/ Concentrations (21 SCH)

Code	Title	Hours
Select one of the following concentrations:		
Planning and Policy		
TMGT 811	Fund of Shipping	
TMGT 820	Trans Mgmt & Policy	
TMGT 825	Marine Trans Sys	
TMGT 840	Quan Anal For Trans	
TMGT 842	Tran Project Implementation	
TMGT 845	Sys Anal In Trans	
TMGT 850	Travel Demand Analysis	
TMGT 855	Site Traffic Analysis	
TMGT 862	Hwy Traffic Operations	
TMGT 865	Traffic Signals & Signal Ctrl	
TMGT 870	Freight & Log Mgmt	
TMGT 880	ITS Tech & Applications	
TMGT 882	GIS for Transportation	
TMGT 885	Quan Asmt Tran Envir Impact	
TMGT 890	Transportaton Seminar	
TMGT 818	Trans Research Method	
Systems and Technology		
TMGT 811	Fund of Shipping	
TMGT 825	Marine Trans Sys	
TMGT 840	Quan Anal For Trans	
TMGT 842	Tran Project Implementation	
TMGT 845	Sys Anal In Trans	
TMGT 846	Tran Infrastructure Mgmt	
TMGT 850	Travel Demand Analysis	
TMGT 855	Site Traffic Analysis	
TMGT 862	Hwy Traffic Operations	
TMGT 865	Traffic Signals & Signal Ctrl	
TMGT 880	ITS Tech & Applications	
TMGT 882	GIS for Transportation	
TMGT 885	Quan Asmt Tran Envir Impact	
TMGT 890	Transportaton Seminar	
TMGT 818	Trans Research Method	
Logistics and Management		
TMGT 811	Fund of Shipping	
TMGT 820	Trans Mgmt & Policy	
TMGT 825	Marine Trans Sys	
TMGT 826	Ship Operations & Mgmt	
TMGT 842	Tran Project Implementation	
TMGT 845	Sys Anal In Trans	
TMGT 850	Travel Demand Analysis	
TMGT 860	Special Lecture Series	
TMGT 865	Traffic Signals & Signal Ctrl	
TMGT 870	Freight & Log Mgmt	
TMGT 875	Seminar on Ports and Waterways	
TMGT 880	ITS Tech & Applications	
TMGT 882	GIS for Transportation	

TMGT 885	Quan Asmt Tran Envir Impact
TMGT 890	Transportaton Seminar
TMGT 818	Trans Research Method
Maritime Management and Security	
TMGT 820	Trans Mgmt & Policy
TMGT 825	Marine Trans Sys
TMGT 830	Urban Trans Plng
TMGT 842	Tran Project Implementation
TMGT 850	Travel Demand Analysis
TMGT 866	Mktg of Maritime Trans Svcs
TMGT 867	Marine Trans Sys Dsgn & Policy
TMGT 868	Maritime Operations & Tech
TMGT 869	Marine Ins & Cargo Loss Ctrl
TMGT 870	Freight & Log Mgmt
TMGT 875	Seminar on Ports and Waterways
TMGT 871	Maritime Global Trading Sys
TMGT 872	Maritime Ship & Port Security
TMGT 880	ITS Tech & Applications
TMGT 882	GIS for Transportation
TMGT 885	Quan Asmt Tran Envir Impact
TMGT 890	Transportaton Seminar
TMGT 818	Trans Research Method
Homeland Security	
TMGT 820	Trans Mgmt & Policy
TMGT 825	Marine Trans Sys
TMGT 870	Freight & Log Mgmt
TMGT 880	ITS Tech & Applications
TMGT 882	GIS for Transportation
TMGT 890	Transportaton Seminar
TMGT 818	Trans Research Method
AJ 614	Issues in Terrorism and AJ

Internship

Code	Title	Hours
Integrative Component		
TMGT 895	Internship	3
Total Hours		3

Course Requirements

Total Semester Credit Hours required: 39

- **Core Curriculum: 15 SCH**
- **Non-thesis Option**
 - **Electives 21 SCH**
 - **Internship - 3 SCH**

Transportation Planning and Management (Thesis Option), Master of Science

General Information

Graduate study in Transportation Planning and Management at Texas Southern University focuses on developing an interdisciplinary program designed to train outstanding students for successful careers in the field of Transportation. Programmatic emphasis is on preparing the student to enter the public and private sector with considerable training and advanced knowledge concerning transportation planning and policy, highway traffic operations, transportation systems and technology, transportation logistics and management, maritime transportation management and security, and homeland security. Emphasis is on technical and economic as well as public policy aspects of transportation systems.

For those focusing on planning or operations careers, the TSU transportation program has a strong foundation in traffic operations, transportation planning, public transportation and Intelligent Transportation Systems (ITS). Students may structure degree programs to build on these strengths. For those pursuing management careers, TSU transportation programs have strong foundations in transportation principles, transportation systems and technologies, highway traffic operations, economics and finance, logistics, maritime transportation, homeland security, and transportation policy and management.

Through a rigorous graduate program of instruction, students will develop problem solving and analytical thinking skills by the study of transport system design, planning, and analysis. Students will also master appropriate research skills for use in both public and private transportation-related agencies and organizations. Graduate students and their faculty advisors will form research partnerships based upon their particular interests and the current needs of the transportation industry.

Majors in transportation are provided with unique opportunities to work with transportation experts through the Center for Transportation Training and Research (CTTR), the National Transportation Security Center of Excellence for Petrochemical (NTSCE-P), and the Innovative Transportation Research Institute (ITRI) at Texas Southern University. The CTTR, NTSCE-P and ITRI provide training programs with specialized internships and research opportunities through ongoing applied and empirical research and include demonstration activities.

Vision

We envision an education, research, training, and technology transfer program designed to develop a skilled and educated workforce that is highly competitive in a global market. The academic research and training program serves as an important resource of traffic and transportation engineers, planners, systems analyst, policy makers, business and industry leaders, logistics specialists, port managers, and security specialists for local, state, and federal governments, community organizations and agencies, and consulting companies in the nation.

Mission

In keeping with the traditional and urban mission of Texas Southern University, the Division of Transportation Studies in the College of Science, Engineering and Technology will provide education that builds

on the latest data, systems and technologies in transportation. In preparing the next generation of transportation professionals, particular attention will be given to attracting and retaining individuals who represent diverse backgrounds socially, economically, and academically, and especially those who have not been well represented among transportation professionals in the past. There is a strong commitment to partnership development and a climate wherein various racial/ethnic and culturally diverse groups can develop their full potential.

Goals and Objectives

The primary goal of the academic program is to educate transportation planners, engineers, specialists, and managers who are able to plan, functionally design, and operate facilities and systems which satisfy the demand for both passenger and freight transportation services. To fulfill both the traditional and urban mission of Texas Southern University, the Transportation Studies Department has established strategic planning initiatives to fulfill both short and long term needs. The Transportation Studies Department shall

- Improve and expand transportation education, training and research.
- Advance technology transfer and expertise.
- Foster sound linkages between the department, other University units, and the public and the private transportation sectors.
- Participate in local, state and federal research and training initiatives.

The principal objectives of graduate study in transportation are:

1. to provide students with the professional knowledge and skills needed to compete successfully in a global economy;
2. to enhance students' abilities to develop creative solutions to complex problems in the context of socioeconomic and environmental considerations; and
3. to develop innovative ways to address transportation needs and problems.

The central focus of the academic program is to:

- identify and respond to the training needs of the transportation industry;
- provide an environment which enables students to develop maximum potential;
- encourage visionary and creative thinking;
- provide varied internships and research opportunities which acquaint students with human knowledge and actual work experiences;
- offer transportation education and training programs directed toward career development in cooperation with business, industry, labor, and public service agencies; and
- identify and meet professional and in service training needs through specialized short-courses, conferences, symposia, and/or seminars.

Requirements for Admission

Applicants must hold a bachelor's degree from an institution of acceptable standing and have a grade point average point of "B" or better in work completed during the last two years of undergraduate study. The applicant who will receive the bachelor's degree at the end of the semester or term when applying for admission will be considered for a conditional admission. The bachelor's degree may be in:

- engineering,
- natural sciences,

- urban/city planning,
- business,
- public administration,
- political studies,
- geography,
- sociology,
- airway science/aviation,
- avionics,
- economics, or
- other transportation-related fields.

The applicant must meet the criteria for admission to the Graduate School. Applications cannot be evaluated until these requirements are met and the Graduate School receives the completed application. Application for admission forms may be obtained from:

The Graduate School
Texas Southern University
3100 Cleburne Avenue
Houston, Texas 77004

For information call the Graduate School at (713) 313-7233, or visit the department website and detailed information on the application steps can be found and downloaded at <http://transportation.tsu.edu/>.

Admission of International Students

Applications from international students are evaluated in the same manner as those of students from the United States. However, international students who have not received any degree or diploma in an institution whose official language is English must satisfactorily pass the Test of English as a Foreign Language (TOEFL) examination. This requirement is designed to determine whether or not students have a sufficient command of English to enable them to pursue their graduate studies effectively.

Degree Requirements

The Master of Science in Transportation Planning and Management degree program is structured to provide a common core of educational and training experiences as well as to provide the flexibility for interfacing with a variety of related disciplines. Efforts are made to equip students with the basic analytical, managerial, and planning competencies necessary either to work in the transportation industry immediately or to advance to doctoral study successfully.

Basic Requirements

1. Completion of a total of thirty-nine (39) semester credit hours of prescribed coursework.
2. A minimum 3.0 (A = 4.00) quality point average for all graduate work attempted.
3. Demonstration of acceptable grasp of the core courses by successful completion of the written comprehensive examination.
4. Completion of an internship/project report for all non-thesis option students.
5. Completion and successful defense of a thesis with the quality of scientific research for all thesis option students.
6. Demonstration of English proficiency by successfully completing the course English 501 Graduate Professional Writing, or by taking Graduate Record Examination (GRE) or Graduate Management Admission Test (GMAT) and getting score 3.5 or better on the analytical writing portion of the GRE or GMAT.

7. All other requirements of the Graduate School in Texas Southern University.

Computer Literacy

Students will be exposed to uses of computers and computer packages in transportation as part of the curricula. Emphasis is on personal and microcomputers. Students will use packages in highway capacity, traffic signal timing and coordination, traffic simulation and travel demand models in required course work. Students have access to TSU's personal computer laboratories with access to the Internet.

Thesis

Students electing the non-thesis option are not required to complete a thesis.

The culmination of the thesis program is the successful completion and defense of a thesis which is based upon independent research. The thesis must be prepared in a way that demonstrates rigorous, independent, empirical or applied research. This option will require that the final product of independent research is prepared in a way that demonstrates that the student has acquired a high level analytical ability. The research must exhibit substantive depth, logical organization, high level of creativity, and clarity of ideas. A faculty committee guides the student's work and evaluates the thesis. Students choosing the thesis track must enroll in the thesis course for a total of 6-9 hours, 3 of which can be substituted for by the internship class. The thesis course receives a grade of satisfactory or unsatisfactory only. Grades are assigned only after the defense of the thesis. A successful defense and submission of the thesis requires the supervising member of faculty to assign a satisfactory grade for the thesis course.

Internship

Students electing the thesis option are not required to complete an internship.

Students electing the non-thesis option are required to submit a final report on an investigation conducted while completing the internship or a project report assigned by the faculty advisor. Placements of internships will be sought with various public/private transportation agencies and firms. Students choosing this track must enroll in the 3-hour internship class.

Summary

Code	Title	Hours
	Core Curriculum (p. 227)	15
	Electives & Concentrations (p. 227)	15
	Thesis/Internship (p. 228)	9
Total Hours		39

Core Curriculum Requirements (15 SCH)

Code	Title	Hours
Maritime Management and Security		
TMGT 810	Fund Of Trans	3
TMGT 811	Fund of Shipping	3
TMGT 815	Computer Apps In Trans	3
TMGT 823	Economics Of Trans	3
TMGT 826	Ship Operations & Mgmt	3

Other Concentrations

TMGT 810	Fund Of Trans	3
TMGT 812	Prin Trans & Des Engrng	3
TMGT 815	Computer Apps In Trans	3
TMGT 823	Economics Of Trans	3
TMGT 830	Urban Trans Plng	3

SPECIALIZATION Electives/ Concentrations (15-18 SCH)

Code	Title	Hours
Select one of the following concentrations:		15-18

Planning and Policy

TMGT 811	Fund of Shipping
TMGT 820	Trans Mgmt & Policy
TMGT 825	Marine Trans Sys
TMGT 840	Quan Anal For Trans
TMGT 842	Tran Project Implementation
TMGT 845	Sys Anal In Trans
TMGT 850	Travel Demand Analysis
TMGT 855	Site Traffic Analysis
TMGT 862	Hwy Traffic Operations
TMGT 865	Traffic Signals & Signal Ctrl
TMGT 870	Freight & Log Mgmt
TMGT 880	ITS Tech & Applications
TMGT 882	GIS for Transportation
TMGT 885	Quan Asmt Tran Envir Impact
TMGT 890	Transportaton Seminar
TMGT 818	Trans Research Method

Systems and Technology

TMGT 811	Fund of Shipping
TMGT 825	Marine Trans Sys
TMGT 840	Quan Anal For Trans
TMGT 842	Tran Project Implementation
TMGT 845	Sys Anal In Trans
TMGT 846	Tran Infrastructure Mgmt
TMGT 850	Travel Demand Analysis
TMGT 855	Site Traffic Analysis
TMGT 862	Hwy Traffic Operations
TMGT 865	Traffic Signals & Signal Ctrl
TMGT 880	ITS Tech & Applications
TMGT 882	GIS for Transportation
TMGT 885	Quan Asmt Tran Envir Impact
TMGT 890	Transportaton Seminar
TMGT 818	Trans Research Method

Logistics and Management

TMGT 811	Fund of Shipping
TMGT 820	Trans Mgmt & Policy
TMGT 825	Marine Trans Sys
TMGT 826	Ship Operations & Mgmt
TMGT 842	Tran Project Implementation
TMGT 845	Sys Anal In Trans
TMGT 850	Travel Demand Analysis

TMGT 860	Special Lecture Series
TMGT 865	Traffic Signals & Signal Ctrl
TMGT 870	Freight & Log Mgmt
TMGT 875	Seminar on Ports and Waterways
TMGT 880	ITS Tech & Applications
TMGT 882	GIS for Transportation
TMGT 885	Quan Asmt Tran Envir Impact
TMGT 890	Transportaton Seminar
TMGT 818	Trans Research Method
Maritime Management and Security	
TMGT 820	Trans Mgmt & Policy
TMGT 825	Marine Trans Sys
TMGT 830	Urban Trans Plng
TMGT 842	Tran Project Implementation
TMGT 850	Travel Demand Analysis
TMGT 866	Mktg of Maritime Trans Svcs
TMGT 867	Marine Trans Sys Dsgn & Policy
TMGT 868	Maritime Operations & Tech
TMGT 869	Marine Ins & Cargo Loss Ctrl
TMGT 870	Freight & Log Mgmt
TMGT 875	Seminar on Ports and Waterways
TMGT 871	Maritime Global Trading Sys
TMGT 872	Maritime Ship & Port Security
TMGT 880	ITS Tech & Applications
TMGT 882	GIS for Transportation
TMGT 885	Quan Asmt Tran Envir Impact
TMGT 890	Transportaton Seminar
TMGT 818	Trans Research Method
Homeland Security	
TMGT 820	Trans Mgmt & Policy
TMGT 825	Marine Trans Sys
TMGT 870	Freight & Log Mgmt
TMGT 880	ITS Tech & Applications
TMGT 882	GIS for Transportation
TMGT 890	Transportaton Seminar
TMGT 818	Trans Research Method
AJ 614	Issues in Terrorism and AJ

Total Hours	15-18

Thesis (6-9 SCH)

Code	Title	Hours
TMGT 899	Thesis	

Course Requirements

Total Semester Credit Hours required: 39

- Core Curriculum: 15 SCH
- Thesis Option
 - Electives 15-18 SCH
 - Thesis - 6-9 SCH

Graduate Course Descriptions

A

- Accounting (ACCT) (p. 229)
- Admin Of Justice (AJ) (p. 230)

B

- Biology (BIOL) (p. 234)
- Business Administration (BADM) (p. 236)

C

- Chemistry (CHEM) (p. 236)
- Child & Family Development (CFDV) (p. 237)
- Communication (CM) (p. 238)
- Computer Science (CS) (p. 240)
- Counseling (COUN) (p. 242)

E

- Education Admin. & Supervision (EDAS) (p. 247)
- Education Curriculum & Instr. (EDCI) (p. 250)
- Education Foundations (EDFD) (p. 258)
- Educational Psychology (EPSY) (p. 259)
- English (ENG) (p. 259)
- Entertainmnt Record Indus Mgmt (ERM) (p. 260)
- Environmental Science (ES) (p. 261)
- Executive Master of Bus Adm (EMBA) (p. 264)

F

- Finance (FIN) (p. 265)
- Foods & Nutrition (FN) (p. 266)
- Forensic Science (FORS) (p. 267)

H

- Health Education (HED) (p. 267)
- Health Science - Health Admin. (HSHA) (p. 268)
- Higher Educations (EDHI) (p. 270)
- History (HIST) (p. 271)
- Human Servs & Consumer Sci (HSCS) (p. 272)

I

- Industrial Technology (ITEC) (p. 273)

J

- Journalism (JOUR) (p. 275)

K

- Kinesiology (KIN) (p. 275)

M

- Management (MGMT) (p. 276)
- Management Information Systems (MIS) (p. 276)
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- Marketing (MKTG) (p. 278)
- Mathematics (MATH) (p. 278)
- Music (MUSI) (p. 280)

P

- Pharmaceutical Chemistry (PHCH) (p. 285)
- Pharmaceutical Sciences (PHS) (p. 285)
- Pharmacology Applied Science (PAS) (p. 287)
- Pharmacy (PHAR) (p. 288)
- Pharmacy Administration (PADM) (p. 297)
- Physical Education (PE) (p. 298)
- Psychology (PSY) (p. 299)
- Public Administration (PAD) (p. 301)

R

- Radio/TV/Film (RTF) (p. 303)
- Reading (RDG) (p. 304)

S

- Sociology (SOC) (p. 305)
- Special Education (SPED) (p. 306)
- Speech Communications (SC) (p. 307)
- Sport Administration (SSSA) (p. 307)
- Sport Foundations (SSFD) (p. 308)
- Sport Leadership (SSSL) (p. 308)
- Sport Management (SSSM) (p. 309)
- Sport Operations (SSSO) (p. 309)
- Sport Recreation & Leisure (SSRL) (p. 310)
- Sport Studies (SSSS) (p. 310)

T

- Transportation Management (TMGT) (p. 311)

U

- Urban Planning & Enviro Policy (UPEP) (p. 314)

Accounting (ACCT)

ACCT 600 Oil and Gas Accounting (3-9 Credits)

Lecture: 3-9

OIL AND GAS ACCOUNTING AND TAXATION INSTITUTE (3) Petroleum accounting and taxation. This is a comprehensive course in oil and gas accounting. It covers the fundamentals of the petroleum industry as well as the complex topics of revenue accounting and taxation.

College/School: JHJ School Of Business

Department: Department of Accounting

ACCT 625 Not-For Profit Accounting (3 Credits)

Lecture: 3

College/School: JHJ School Of Business

Department: Department of Accounting

ACCT 630 Ethics for Accountants (3 Credits)

Lecture: 3, **Lab:** 0

ETHICS FOR ACCOUNTANTS (3) Provides a philosophical understanding of ethical complexities of the modern business enterprise and a fundamental of ethical knowledge necessary for a career in accounting and finance. (Prerequisites: Consent of the Instructor.)

College/School: JHJ School Of Business

Department: Department of Accounting

ACCT 631 Sem: Managerial Acctg (3 Credits)

Lecture: 3, **Lab:** 0

SEMINAR IN MANAGERIAL ACCOUNTING (3) An examination of the theoretical and practical issues involved in managerial accounting. Emphasis is on contemporary issues in managerial accounting. (Prerequisites: ACCT 231 or ACCT 636.)

Prerequisite(s): ACCT 231 or ACCT 636

College/School: JHJ School Of Business

Department: Department of Accounting

ACCT 636 Financial Statement Analysis (3 Credits)

Lecture: 3, **Lab:** 0

FINANCIAL ACCOUNTING (3) (CPA 150-Hour Requirement NON-DEGREE Course) An analysis of financial statements of publicly held entities, which are issued to shareholders, creditors, financial analysts, and other interested parties. (Prerequisite: ACCT 332.)

Prerequisite(s): ACCT 332

College/School: JHJ School Of Business

Department: Department of Accounting

ACCT 647 Cost Acctg & Analysis (3 Credits)

Lecture: 3, **Lab:** 0

MANAGERIAL AND COST ACCOUNTING (3) (CPA 150-Hour Requirement NON-DEGREE Course) A study of the kind of information needed, where information can be obtained and how information can be used by managers to carry out their planning, controlling, and decision-making responsibilities. (Prerequisite: ACCT 336.)

College/School: JHJ School Of Business

Department: Department of Accounting

ACCT 650 Structure Acctg Theory (3 Credits)

Lecture: 3, **Lab:** 0

STRUCTURE OF ACCOUNTING THEORY (3) Principles, concepts and problems underlying the recording of accounting data; management of information and its relation to income determination. Analysis and interpretation of principal accounting statements are also covered. (Prerequisite: ACCT 332.)

College/School: JHJ School Of Business

Department: Department of Accounting

ACCT 651 Contemp Topics Acctg (3 Credits)

Lecture: 3, **Lab:** 0

CONTEMPORARY ISSUES IN ACCOUNTING (3) An analysis of new pronouncements of authoritative bodies along with the impact of these bodies on contemporary accounting practice. (Prerequisite: ACCT 332.)

Prerequisite(s): ACCT 332

College/School: JHJ School Of Business

Department: Department of Accounting

ACCT 655 Seminar In Taxation (3 Credits)**Lecture:** 3, **Lab:** 0

SEMINAR IN TAXATION (3) A review and an analysis of tax consequences; implications of business decisions and accounting procedures; tax research and planning. (Prerequisite: ACCT 332.)

Prerequisite(s): ACCT 332**College/School:** JHJ School Of Business**Department:** Department of Accounting**ACCT 656 Acctg Information Systems (3 Credits)****Lecture:** 3, **Lab:** 0

ACCOUNTING INFORMATION SYSTEMS (3) An analysis of the sources, cost and values of accounting information, including analysis and design of computer-based accounting information. (Prerequisites: ACCT 332 or ACCT 631.)

Prerequisite(s): ACCT 332 or ACCT 631**College/School:** JHJ School Of Business**Department:** Department of Accounting**ACCT 657 Seminar Auditing (3 Credits)****Lecture:** 3, **Lab:** 0

SEMINAR IN AUDITING (3) An examination of the development of auditing standards and philosophies; contemporary developments in auditing theory and practice; and research needs of the auditing profession. (Prerequisite: ACCT 433.)

Prerequisite(s): ACCT 433**College/School:** JHJ School Of Business**Department:** Department of Accounting**ACCT 658 Accounting Controls (3 Credits)****Lecture:** 3, **Lab:** 0

ACCOUNTING CONTROLS (3) A study of the concepts and roles of accounting controls in a business organization. (Prerequisites: ACCT 631 or 433.)

Prerequisite(s): ACCT 631 or ACCT 433**College/School:** JHJ School Of Business**Department:** Department of Accounting**ACCT 660 Advanced Topics in Accounting (3 Credits)****Lecture:** 3

ADVANCED TOPICS IN ACCOUNTING (3) The study and research of business consolidations, partnerships, governmental and not-for-profit accounting. (Prerequisite: ACCT 332.)

Prerequisite(s): ACCT 332**College/School:** JHJ School Of Business**Department:** Department of Accounting**ACCT 665 Accounting Internship (3-9 Credits)****Lecture:** 3-9

ACCOUNTING INTERNSHIP (3) Faculty-supervised work experience in accounting where written reports are required. (Prerequisite: Graduate Status.)

College/School: JHJ School Of Business**Department:** Department of Accounting**ACCT 670 FIN ACCTG IN HLTH CARE ORG (3 Credits)****Lecture:** 3, **Lab:** 0

FINANCIAL ACCOUNTING IN HEALTH CARE ORGANIZATIONS (3) The study of the techniques of decision making for health care providers, financial management functions and organizations, financial statement analysis, capital management, capital budgeting and processes, financial statistics, financing techniques, and financial analysis of case studies in the health care environment.

College/School: JHJ School Of Business**Department:** Department of Accounting**ACCT 671 MGMT & COST ACCT IN HLTH CARE (3 Credits)****Lecture:** 3, **Lab:** 0

MANAGERIAL AND COST ACCOUNTING IN HEALTH CARE ORGANIZATIONS (3) A study of how to use cost information to improve management decision making and the uses of cost accounting information relevant to health care organizations.

College/School: JHJ School Of Business**Department:** Department of Accounting

Admin Of Justice (AJ)

AJ 500 Sem in Admin of Justice (3 Credits)**Lecture:** 3

AJ 500 Seminar in Administration of Justice (3) This course introduces students to the study of administration of justice. It provides an overview of the historical development of justice agencies and contemporary administrative, organizational, and management issues.

College/School: The School of Public Affairs**Department:** Dept of Admin of Justice**AJ 501 Seminar in ADM of JUS Theory (3 Credits)****Lecture:** 3

Foundations of Justice Administration (3) This course introduces students to the study of administration of justice. It provides an overview of the history, theories, ideologies, organization, management and contemporary issues in justice agencies.

Prerequisite(s): AJ 500**College/School:** The School of Public Affairs**Department:** Dept of Admin of Justice**AJ 502 Seminar in Research Methods (3 Credits)****Lecture:** 3

Research Methods (3) This course provides an overview of research methods, evaluation research, and the role of the researcher in administration of justice.

Prerequisite(s): AJ 500**College/School:** The School of Public Affairs**Department:** Dept of Admin of Justice**AJ 503 Seminar in Quantitative Meth I (3 Credits)****Lecture:** 3

Data Analysis for the Administration of Justice (3) Introduction to statistics and data analysis in administration of justice. Includes an overview of measurement and statistics for univariate, bivariate and multivariate data.

College/School: The School of Public Affairs**Department:** Dept of Admin of Justice**AJ 504 Sem RaceClassGenderCrime in AJ (3 Credits)****Lecture:** 3

Policy Issues in the Administration of Justice (3) This course examines contemporary policy issues in Administration of Justice. Special emphasis is placed upon the policy making process in law enforcement, corrections and judicial agencies.

Prerequisite(s): (AJ 501 and AJ 500)**College/School:** The School of Public Affairs**Department:** Dept of Admin of Justice

AJ 505 Seminar on Ethics in AJ (3 Credits)**Lecture:** 3

Race, Class, and Gender in Administration of Justice (3) This course examines the historical and contemporary context of race, class, and gender and its impact on justice agency administration. Special emphasis is placed upon contemporary issues including minority employment trends in justice agencies, racial profiling, and disproportionate minority confinement.

Prerequisite(s): AJ 500

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

AJ 607 Police Administration (3 Credits)**Lecture:** 3

Police Administration (3) Seminar on the administration and management of federal, state, local, private, special district and tribal police organizations. Special emphasis is placed on new challenges to police administration including community policing, homeland security, and technological advances.

Prerequisite(s): AJ 500

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

AJ 608 Crime Lab Administration (3 Credits)**Lecture:** 3

Crime Lab Administration (3) This course examines the policies and procedures critical to crime lab administration. Topics include managing evidence and property inventories, interorganizational cooperation, and new approaches to crime lab management.

Prerequisite(s): AJ 500 and AJ 607

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

AJ 609 Issues In Corrections Administ (3 Credits)**Lecture:** 3

AJ 609 Issues in Corrections Administration (3) This course will examine the organization and administration of correctional agencies including jails, prisons, probation and parole, and administration of the death penalty. Emphasis is placed on contemporary administrative and policy issues including prison overcrowding, policy initiatives such as three-strikes legislation, and sentencing disparities. (Prerequisites: AJ 500, 504.)

Prerequisite(s): AJ 500 and AJ 504

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

AJ 610 Issues in Judicial Adm (3 Credits)**Lecture:** 3

Homeland Security Issues and Administration of Justice (3) Introduction to homeland security at the federal, state, and local levels of government. Includes an overview of the reorganization of federal, state, and local agencies, legislation, and border security and other challenges for justice agency administrators.

Prerequisite(s): AJ 500 and AJ 501

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

AJ 611 Issues in Juvenile Justice Adm (3 Credits)**Lecture:** 3

Issues in Corrections Administration (3) This course will examine the organization and administration of correctional agencies including jails, prisons, probation and parole, and administration of the death penalty. Emphasis is placed on contemporary administrative and policy issues including prison overcrowding, policy initiatives such as three-strikes legislation, and sentencing disparities.

Prerequisite(s): AJ 500 and AJ 501

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

AJ 612 ADM Law for Justice Agencies (3 Credits)**Lecture:** 3

Issues in Judicial Administration (3) This course presents an overview of administrative issues confronting courts and court related agencies in Texas and at the federal level. The course will also examine contemporary issues including sentencing policies, disparities in sentencing, restorative justice, and diversion.

Prerequisite(s): AJ 500 and AJ 504

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

AJ 613 Eval Research for Jus Agencies (3 Credits)**Lecture:** 3

AJ 613 Evaluation Research for Justice Agencies (3) This course provides an overview of evaluation research methods and their application to justice agencies policies and programs. It provides an in-depth analysis of the complexities of evaluation research in administration of justice by examining recent research. (Prerequisites: AJ 501, 502, 503, 504.)

Prerequisite(s): AJ 500 and AJ 502 and AJ 503 and AJ 504

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

AJ 614 Issues in Terrorism and AJ (3 Credits)**Lecture:** 3

AJ 614 Issues in Terrorism and the Administration of Justice (3) This course presents an analysis of the impact of terrorism on administration and management of justice agencies. Topics covered include domestic and international terrorism, integrated terrorism information systems, secure confinement, and technological developments. (Prerequisites: AJ 501, 607.)

Prerequisite(s): AJ 501 and AJ 607

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

AJ 615 Seminar on Special Topic In AJ (3 Credits)**Lecture:** 3

AJ 615 Seminar on Special Topics in Administration of Justice (3) This course is designed to provide in-depth analyses of selected topics in Administration of Justice. (Prerequisites: AJ 500, 501, 502, 503.)

Prerequisite(s): AJ 500 and AJ 501 and AJ 502 and AJ 503

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

AJ 616 Environmental Crime & AJ (3 Credits)**Lecture:** 3

AJ 616 Environmental Crime and Administration of Justice (3) This course provides an examination of the nature and forms of environmental crime and the role of justice agencies in its prevention and control. The course includes an examination of perpetrators, enforcement, prosecution and sanctioning at state, national and international levels. (Prerequisites: AJ 500, 504, 505.)

Prerequisite(s): AJ 500 and AJ 505**College/School:** The School of Public Affairs**Department:** Dept of Admin of Justice**AJ 617 Independent Study (3 Credits)**

AJ 617 Independent Study (3) This course is a student-initiated research activity that involves successful completion of a research project in administration of justice; development of references pertinent to the research topic; a collection of relevant articles and brief synopsis; and submission of a twenty-five (25) pages or more research report to the professor. (Prerequisites: AJ 500, 501, 502, 503, 504, 505 and two electives.)

Prerequisite(s): AJ 500 and AJ 501 and AJ 502 and AJ 503 and AJ 504 and AJ 505**College/School:** The School of Public Affairs**Department:** Dept of Admin of Justice**AJ 701 Capstone Seminar (3 Credits)****Lecture:** 3

AJ 701 Capstone Seminar (3) This course is required for students selecting the non-thesis option. It will examine contemporary issues and practices in administration of justice. The course will culminate with a capstone project that focuses on a specific aspect of administration of justice. (Prerequisites: AJ 500, 501, 502, 503, 504, 505 and 2 electives.)

Prerequisite(s): AJ 500 and AJ 501 and AJ 502 and AJ 503 and AJ 504 and AJ 505**College/School:** The School of Public Affairs**Department:** Dept of Admin of Justice**AJ 702 Internship (3 Credits)**

AJ 702 Internship (3) Internship provides an opportunity for students to gain experience in justice agency.

Prerequisite(s): AJ 500 and AJ 501 and AJ 502 and AJ 503 and AJ 504 and AJ 505**College/School:** The School of Public Affairs**Department:** Dept of Admin of Justice**AJ 788 Thesis I (3,6 Credits)****Lecture:** 3,6, **Lab:** 0

Thesis (3 or 6) Enrollment is required when the thesis is being completed. Only 6 credits may be applied to the Master's degree. Students will prepare their thesis under the direction of a thesis advisor and committee. (Prerequisites: Completion of AJ 500, 501, 502, 503, 504, 505, and 2 electives. Permission of the GPD.)

Prerequisite(s): AJ 500 and AJ 501 and AJ 502 and AJ 503 and AJ 504 and AJ 505**College/School:** The School of Public Affairs**Department:** Dept of Admin of Justice**AJ 789 Thesis II (3,6 Credits)****Lecture:** 3,6

Thesis (3 or 6) Enrollment is required when the thesis is being completed. Only 6 credits may be applied to the Master's degree. Students will prepare their thesis under the direction of a thesis advisor and committee. (Prerequisites: Completion of AJ 500, 501, 502, 503, 504, 505, and 2 electives. Permission of the GPD.)

Prerequisite(s): AJ 500 and AJ 501 and AJ 502 and AJ 503 and AJ 504 and AJ 505**College/School:** The School of Public Affairs**Department:** Dept of Admin of Justice**AJ 900 Adv Sem In AJ Orgn & Processes (3 Credits)****Lecture:** 3

Advanced Seminar in the Administration of Justice Organizations and Processes (3) This is an advanced course designed to examine administration of justice agencies and processes in a historical and contemporary context. It includes an indepth analysis of contemporary issues and challenges in justice organizations.

College/School: The School of Public Affairs**Department:** Dept of Admin of Justice**AJ 901 ADV Sem in AJ/Crim Justic (3 Credits)****Lecture:** 3

Advanced Seminar in Administration of Justice/Criminology/Criminal Justice Theory (3) This course examines criminological, criminal justice and administration of justice theories. It includes an analysis of the interrelatedness of justice theories and recent theoretical developments.

Prerequisite(s): AJ 900**College/School:** The School of Public Affairs**Department:** Dept of Admin of Justice**AJ 902 Adv Sem in AJ Research Method (3 Credits)****Lecture:** 3

Advanced Seminar in Administration of Justice Research Methods (3) This course examines the theory and concepts of research design and measurement. It includes in-depth analyses of operationalization of theoretical concepts, causality, validity, and principles and challenges to research methods in administration of justice. (Prerequisite: AJ 900)

College/School: The School of Public Affairs**Department:** Dept of Admin of Justice**AJ 903 Sem in Advanced Quant Method I (3 Credits)****Lecture:** 3

Seminar in Advanced Quantitative Methods I (3) This course examines advanced quantitative methods of data analysis. It includes the theoretical foundation for regression analyses and examines linear regression, multiple regression, and logistic regression. Special attention is devoted to recent quantitative studies in administration of justice utilizing advanced regression statistical techniques. (Prerequisite: AJ 900 and 902)

Prerequisite(s): AJ 902**College/School:** The School of Public Affairs**Department:** Dept of Admin of Justice

AJ 904 Adv Sem in Race Class Gender (3 Credits)**Lecture:** 3

Advanced Seminar in Race, Class, Gender, Crime and the Administration of Justice (3) This seminar surveys the role of race, class, and gender in the administration of justice. It provides an in-depth analysis of historical and contemporary research on race, class, gender, and crime. Special emphasis is placed upon social, economic, and political factors that impact crime and the administration of justice policy and planning. (Prerequisite: AJ 900, AJ 901)

Prerequisite(s): AJ 900

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

AJ 905 Sem in Adm Crime Mapping & AJ (3 Credits)**Lecture:** 3

Seminar in Advanced Crime Mapping and Administration of Justice (3) This course examines the history and contemporary strategies and applications of crime mapping in justice agencies including mapping crime locations and density of crime, victims and offenders. (Prerequisite: AJ 902, 903)

Prerequisite(s): AJ 903

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

AJ 907 Adv Sem in Contemporary Issues (3 Credits)**Lecture:** 3

Advanced Seminar in Contemporary Issues in Homeland Security Administration (3) This advanced seminar examines emerging and contemporary issues in Homeland Security Administration including threat assessment, technological advancements, ethical issues, interagency cooperation, preventive security, and community involvement. (Prerequisites: AJ 900, 906)

Prerequisite(s): AJ 900 and AJ 906

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

AJ 908 Adv Sem in Priv Security Adm (3 Credits)**Lecture:** 3

Advanced Seminar in Private Security Administration (3) This course will examine administration and management of private security agencies. It will include the history, theory, and current practice of private security. Special emphasis will be placed upon cooperation between public and private security agencies, technological developments, and other contemporary issues. (Prerequisite: AJ 900)

Prerequisite(s): AJ 900

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

AJ 909 Adv Seminar on Terrorism (3 Credits)**Lecture:** 3

Advanced Seminar on Terrorism (3) This course gives an overview of terrorism and counter-terrorism issues in the administration of justice. The seminar examines terrorism legislation, domestic and international terrorist groups, responses to terrorism by state, local, and federal agencies, and recent terrorism policies and research. (Prerequisites: AJ 900, 906)

Prerequisite(s): AJ 900 and AJ 906

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

AJ 910 Adv Sem in AJ Policy Eval & PI (3 Credits)**Lecture:** 3

Advanced Seminar in Administration of Justice Policy, Evaluation and Planning (3) This course includes an examination of policy and planning in administration of justice agencies. It presents an in depth analysis of the history of the policy making process and internal and external dynamics of planning. Special attention is devoted to contemporary developments in law enforcement, corrections and judicial policy and planning. (Prerequisites: AJ 900, 901, 902, 903, 904)

Prerequisite(s): AJ 900 and AJ 901 and AJ 903 and AJ 904

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

AJ 911 Sem in Adv Topics Race Gender (3 Credits)**Lecture:** 3

Seminar in Advanced Topics in Race, Gender, Class, Crime and Administration of Justice (3) This seminar provides in-depth analysis of critical issues in the study of race, class, gender and crime and administration of justice. Recent policies and research on selected contemporary topics including sentencing, traffic stop data collection, and homeland security profiling will be examined. The course also examines recent developments in disproportionate minority confinement, violence, and victimization research as well as other relevant issues. (Prerequisites: AJ 900, 901, 902)

Prerequisite(s): AJ 900 and AJ 901 and AJ 902

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

AJ 912 Sem in Qualitative Methods (3 Credits)**Lecture:** 3

Seminar in Qualitative Methods in Administration of Justice (3) This course examines qualitative research and data analysis methods and their application in the administration of justice. (Prerequisites: AJ 900, 901, 902, 903)

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

AJ 913 Sem in Adv Quant Methods II (3 Credits)**Lecture:** 3

Seminar in Advanced Quantitative Methods II (Special Topics) (3) This course is designed to provide an indepth analysis of specific advanced topics in quantitative methods and their application to administration of justice. These topics include structural equation modeling, modeling longitudinal data, categorical data analysis, and meta analysis. (Prerequisite: AJ 900, 901, 902, 903)

Prerequisite(s): AJ 901 and AJ 903

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

AJ 914 Adv Sem in Law & Adm of Justic (3 Credits)**Lecture:** 3

Advanced Seminar in Law and Administration of Justice (3) This course provides an indepth analysis of the role of law in the administration of justice. Special attention is devoted to recent and contemporary administrative law guiding justice agencies. It includes an examination of laws enacted to prevent and control terrorism and to foster homeland security. Issues in international law are also addressed. (Prerequisites: AJ 900, 901, 902, 910.)

Prerequisite(s): AJ 900 and AJ 901 and AJ 902 and AJ 910

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

AJ 915 Adv Sem in Apps of GIS in AJ (3 Credits)**Lecture:** 3

Advanced Seminar in Applications of Geographic Information Systems in Administration of Justice (3) This seminar examines the history and theory of geographic information systems in the administration of justice. It includes an exploration of techniques of geographic information that includes collection, display, analysis and storage and applications. (Prerequisite: AJ 905, Permission of the GPD)

Prerequisite(s): AJ 905**College/School:** The School of Public Affairs**Department:** Dept of Admin of Justice**AJ 916 Doctoral Sem in Spec Topics (3 Credits)****Lecture:** 3

Doctoral Seminar in Special Topics (3) This advanced seminar focuses on selected topics and recent developments in the administration of justice. (Prerequisite: AJ 900, 901, 902, 903, 904), Permission of the GPD)

College/School: The School of Public Affairs**Department:** Dept of Admin of Justice**AJ 917 Independent Study (3 Credits)**

Independent Study (3) This is a faculty-supervised independent study of a current topic in the administration of justice. (Prerequisite: AJ 900, 901, 902, 903, Permission of the GPD)

College/School: The School of Public Affairs**Department:** Dept of Admin of Justice**AJ 987 Research Colloquium (3 Credits)****Lecture:** 3

Research Colloquium (3) This advanced seminar will present issues of concern for doctoral candidates. Specific attention will be devoted to grantsmanship, publishing, emerging research issues, teaching, and other aspects of career development. (Prerequisite: Admission to candidacy and successful defense of the dissertation proposal)

College/School: The School of Public Affairs**Department:** Dept of Admin of Justice**AJ 988 Dissertation (3-12 Credits)****Lecture:** 3-12

Dissertation (12) Under the guidance of a dissertation advisor and committee students will complete a dissertation and orally defend it. The dissertation should add to the body of administration of justice knowledge. A total of twelve dissertation credits is required.

College/School: The School of Public Affairs**Department:** Dept of Admin of Justice**AJ 989 Dissertation (3 Credits)**

Dissertation (12) Under the guidance of a dissertation advisor and committee students will complete a dissertation and orally defend it. The dissertation should add to the body of administration of justice knowledge. A total of twelve dissertation credits is required.

College/School: The School of Public Affairs**Department:** Dept of Admin of Justice

Biology (BIOL)

BIOL 526 Topics In Biology (3 Credits)**Lecture:** 3, **Lab:** 0

Topics in Biology (3) Discussion of published papers covering a broad spectrum of biological disciplines. Three (3) hours of lecture a week. (Prerequisite: Graduate standing in biology, chemistry or toxicology).

College/School: Col of Science, Engr & Tech**Department:** Department of Biology**BIOL 527 Adv Plant Physiology (3 Credits)****Lecture:** 3, **Lab:** 0

Advanced Plant Physiology (3) Consideration of the chemistry and biochemistry of plant growth and development with emphasis on growth regulators, plant mineral nutrition, nitrogen-fixation, photosynthesis and photoperiodism. Three (3) hours of lecture a week. (Prerequisite: Graduate standing in biology, chemistry or toxicology).

College/School: Col of Science, Engr & Tech**Department:** Department of Biology**BIOL 528 Hist Of Sciences (2 Credits)****Lecture:** 2, **Lab:** 0**College/School:** Col of Science, Engr & Tech**Department:** Department of Biology**BIOL 534 Entomology (3 Credits)****Lecture:** 2, **Lab:** 3**College/School:** Col of Science, Engr & Tech**Department:** Department of Biology**BIOL 534L Entomology Lab (0 Credits)****Lecture:** 0, **Lab:** 0**College/School:** Col of Science, Engr & Tech**Department:** Department of Biology**BIOL 623 Neurobiology (3 Credits)****Lecture:** 3, **Lab:** 0

Neurobiology (3) Structure and function of the brain and of the nervous system as a whole with emphasis on cellular and molecular mechanisms. Lectures, discussion, student reports. Three (3) hours of lecture per week. (Prerequisite: Graduate standing in biology)

College/School: Col of Science, Engr & Tech**Department:** Department of Biology**BIOL 631 Diagnostic Bacteriology (3 Credits)****Lecture:** 3, **Lab:** 0

Diagnostic Bacteriology (3) Fundamental training in isolation and identification of microorganisms obtained from a clinical laboratory specimen. One (1) hour of lecture per week and two (2) three-hour laboratory classes. (Prerequisite: BIOL 347)

Prerequisite(s): (BIOL 347)**College/School:** Col of Science, Engr & Tech**Department:** Department of Biology**BIOL 631L Diag Bact Lab (0 Credits)****Lecture:** 0, **Lab:** 0**College/School:** Col of Science, Engr & Tech**Department:** Department of Biology**BIOL 636 Endocrinology (3 Credits)****Lecture:** 3, **Lab:** 0

Endocrinology (3) Through lectures and discussions an examination of the glands of internal secretion with special reference to humans. Three (3) hours of lecture per week. (Prerequisite: Graduate standing in biology)

College/School: Col of Science, Engr & Tech**Department:** Department of Biology**BIOL 645 Animals In Biomed Research (4 Credits)****Lecture:** 2, **Lab:** 3**College/School:** Col of Science, Engr & Tech**Department:** Department of Biology**BIOL 645L Animals Biomed Res Lab (0 Credits)****Lab:** 0**College/School:** Col of Science, Engr & Tech**Department:** Department of Biology

BIOL 647 Experimental Biology (4 Credits)**Lecture:** 2, **Lab:** 6

Experimental Biology I (4) Current topics in biological research utilizing published literature as lecture material and as the basis for student presentations and experimentation. One (1) hour of lecture and four (4) hours of laboratory a week. (Prerequisite: Graduate standing in biology.)

College/School: Col of Science, Engr & Tech**Department:** Department of Biology**BIOL 647L Experimental Biol Lab (0 Credits)****Lecture:** 0, **Lab:** 0**College/School:** Col of Science, Engr & Tech**Department:** Department of Biology**BIOL 648 Experimental Biology (4 Credits)****Lecture:** 2, **Lab:** 6

Experimental Biology II (4) A continuation of Biology 647, emphasizing the application of modern biological, chemical and physical methods to the study of the biological sciences. One (1) hour of lecture and four (4) hours of laboratory a week. (Prerequisite: Graduate standing in biology)

College/School: Col of Science, Engr & Tech**Department:** Department of Biology**BIOL 648L Experimental Biol Lab (0 Credits)****Lecture:** 0, **Lab:** 0**College/School:** Col of Science, Engr & Tech**Department:** Department of Biology**BIOL 650 Enzymology (3 Credits)****Lecture:** 3, **Lab:** 0

Enzymology (3) A study of enzyme classification, structure, kinetic models, rapid and relaxation kinetics for complex enzyme mechanisms. Three (3) hours of lecture. (Prerequisite: Graduate standing in biology)

College/School: Col of Science, Engr & Tech**Department:** Department of Biology**BIOL 710 Microbial Genetics (3 Credits)****Lecture:** 3, **Lab:** 0

Microbial Genetics (3) An examination of the nature, expression and regulation of the genetic process in microorganisms. Three (3) hours of lecture a week; (Prerequisite: Graduate standing in biology).

College/School: Col of Science, Engr & Tech**Department:** Department of Biology**BIOL 712 Biosynthetic Mech (3 Credits)****Lecture:** 3, **Lab:** 0

Biosynthetic Mechanisms (3) Molecular processes involved in the DNA function, biosynthesis replication, translation, transcription; biochemical mechanisms in RNA synthesis and protein biosynthesis. Molecular aspects of evolution and carcinogenesis. Three (3) hours of lecture a week. (Prerequisite: Graduate standing in biology)

College/School: Col of Science, Engr & Tech**Department:** Department of Biology**BIOL 715 Advanced Human Genetics (3 Credits)****Lecture:** 3

Advanced Human Genetics (3) Comprehensive treatment of various normal aspects of human heredity as well as those aspects due to abnormal inheritance causing malfunctioning in metabolism. Three (3) hours of lecture a week. (Prerequisite: Graduate standing in biology)

College/School: Col of Science, Engr & Tech**Department:** Department of Biology**BIOL 725 Biochemical Ecology (3 Credits)****Lecture:** 3, **Lab:** 0

Biochemical Ecology (3) An advanced in depth biochemical study of structure and function of ecosystems and of their changes due to natural and anthropogenic causes. Three (3) hours of lecture a week. (Prerequisite: Graduate standing in biology, chemistry, or toxicology)

College/School: Col of Science, Engr & Tech**Department:** Department of Biology**BIOL 735 Tech in Electron Microscopy (4 Credits)****Lecture:** 4**College/School:** Col of Science, Engr & Tech**Department:** Department of Biology**BIOL 775 Bio-Organic Chemistry (3 Credits)****Lecture:** 3, **Lab:** 0

Bio-Organic Chemistry (3) A comprehensive treatment of the structure and function of various organic compounds occurring in living organisms. Three (3) hours of lecture a week. (Prerequisite: Graduate standing in biology, chemistry, or toxicology)

College/School: Col of Science, Engr & Tech**Department:** Department of Biology**BIOL 777 Biophysics (3 Credits)****Lecture:** 3, **Lab:** 0

Biophysics (3) A comprehensive treatment of the concepts in physics and physical chemistry as applicable to biological systems. Three (3) hours of lecture a week. (Prerequisite: Graduate standing in biology or chemistry)

College/School: Col of Science, Engr & Tech**Department:** Department of Biology**BIOL 785 Adv Plant Physic & Biochem (3 Credits)****Lecture:** 3, **Lab:** 0

Advanced Plant Physiology and Plant Biochemistry (3) An indepth treatment of photosynthesis, photoperiodism, nitrogen-fixation and plant molecular biology. Three (3) hours of lecture a week. (Prerequisite: Graduate standing in biology)

College/School: Col of Science, Engr & Tech**Department:** Department of Biology**BIOL 795 Graduate Biology Seminar (3 Credits)****Lecture:** 3, **Lab:** 0

Graduate Biology Seminar (3) Review and indepth critical discussion of current published papers in selected areas of biological and biochemical sciences. Three (3) hours of presentation a week. (Prerequisite: Graduate standing in biology, chemistry, or toxicology)

College/School: Col of Science, Engr & Tech**Department:** Department of Biology**BIOL 861 Research Problems I (3 Credits)****Lecture:** 0, **Lab:** 0

Research Problems (3) An individual investigation of a specific research problem in biological sciences through literature search and laboratory experimentation. Consent of the Department. Supervised by members of the Graduate Faculty.

College/School: Col of Science, Engr & Tech**Department:** Department of Biology

BIOL 862 Research Problems II (3 Credits)**Lecture:** 0, **Lab:** 0

Research Problems II (3) A continuation of BIOL 861. Required of all candidates for the degree of Master of Science in Biology. An individual investigation of a specific research problem in biological sciences through literature search and laboratory experimentation. Consent of the Department. Supervised by members of the Graduate Faculty. (Prerequisite: BIOL 861).

Prerequisite(s): (BIOL 861)**College/School:** Col of Science, Engr & Tech**Department:** Department of Biology**BIOL 6331 Advanced Cell Biology (3 Credits)****Lecture:** 3

Intensive exploration of the molecular mechanisms involved in eukaryotic cell. Students will gain an understanding of the complexities of cell through exploration of topics related to biological chemistry, cell structure and function, cellular metabolism, and genetics. The course is presented in one three-hour lecture per week.

College/School: Col of Science, Engr & Tech**Department:** Department of Biology**BIOL 6332 Advanced Bioinformatics (3 Credits)****Lecture:** 3

To expose students to computer-based programs useful for big data proc. Useful for processing high-throughput big data, data mining and fundamental procedures that help in understanding and characterizing biological systems. Lectures, demonstrations and student interactions using online computer tools to interrogate Big data generated from biological systems.

College/School: Col of Science, Engr & Tech**Department:** Department of Biology**BIOL 6352 Principles of Biochemistry (3 Credits)****Lecture:** 3

Detailed and advanced exploration of molecular composition, molecular mechanisms of energy changes, enzyme function, metabolism in eukaryotic cells, and its regulation. Some implications in the mechanism of diseases based on metabolic disorders will be covered.

College/School: Col of Science, Engr & Tech**Department:** Department of Biology**BIOL 6354 Cancer Biology (3 Credits)****Lecture:** 3

Examines the biology of cancer. Includes lectures and student presentations. Emphasis is on molecular and cellular events, such as cell cycle regulation, telomerase activity, cell signaling, growth factors and receptors, cancer metabolism and the Warburg effect, cell death. The latest approaches to cancer treatment will also be examined.

College/School: Col of Science, Engr & Tech**Department:** Department of Biology

Business Administration (BADM)

BADM 630 Managerial Communication (3 Credits)**Lecture:** 3

BADM 630 MANAGERIAL COMMUNICATION (3) Development of oral and written communication skills, including the use of current computer technology.

College/School: JHJ School Of Business**Department:** Dept of Business Admin.**BADM 644 Internship (3 Credits)****Lecture:** 3

GRADUATE BUSINESS INTERNSHIP (3) Faculty-supervised business related work experience designed to enhance the knowledge and skills of our students in an applied environment. Progress reports and employer validation are required. (Prerequisite: Twelve (12) hours graduate level coursework in business administration and consent of the instructor.)

College/School: JHJ School Of Business**Department:** Dept of Business Admin.**BADM 655 Entrepreneurship (3 Credits)****Lecture:** 3

ENTREPRENEURSHIP (3) Issues related to creating, managing, and financing a new business with a focus on product development and entrepreneurial financial planning including business plans and class projects.

College/School: JHJ School Of Business**Department:** Dept of Business Admin.

Chemistry (CHEM)

CHEM 531 Advanced Inorganic Chemistry (3 Credits)**Lecture:** 3, **Lab:** 0

ADVANCED INORGANIC CHEMISTRY (3) A study of atomic structure; chemical bonding, including valence-bond, molecular orbital, crystal field, and ligand-field theories; stereochemistry and the chemistry of coordination compounds. Three (3) lecture hours per week. (Prerequisite: Approval of the graduate advisor)

Prerequisite(s): (CHEM 232 and CHEM 332)**College/School:** Col of Science, Engr & Tech**Department:** Department of Chemistry**CHEM 533 Organic Reactions (3 Credits)****Lecture:** 3, **Lab:** 0

ORGANIC REACTIONS (3) A detailed study of the mechanisms associated with the important substitution, elimination, and addition reactions of aliphatic and aromatic molecules. Three (3) lecture hours per week. (Prerequisite: CHEM 232)

Prerequisite(s): (CHEM 232)**College/School:** Col of Science, Engr & Tech**Department:** Department of Chemistry**CHEM 543 Advanced Analytical Chem (3 Credits)****Lecture:** 3, **Lab:** 0

ADVANCED ANALYTICAL CHEMISTRY (3) An in-depth study of the principles of ionic equilibria, acid-base chemistry, oxidation-reduction, and precipitation as they apply to processes occurring in both aqueous and non-aqueous media. Three (3) lecture hours per week. (Prerequisite: Approval of the graduate advisor or the department chair)

Prerequisite(s): (CHEM 332)**College/School:** Col of Science, Engr & Tech**Department:** Department of Chemistry**CHEM 623 Topics In Chemistry (3 Credits)****Lecture:** 3, **Lab:** 0

SPECIAL TOPICS (3) Consideration of special topics in chemistry. Three (3) lecture hours per week. (Prerequisite: Approval of the graduate advisor or the department chair)

Prerequisite(s): (CHEM 432)**College/School:** Col of Science, Engr & Tech**Department:** Department of Chemistry

CHEM 624 Topics In Chemistry (3 Credits)**Lecture:** 3, **Lab:** 0

SPECIAL TOPICS (3) Consideration of special topics in chemistry. Three (3) lecture hours per week. (Prerequisite: Approval of the graduate advisor or the department chair)

Prerequisite(s): (CHEM 432)**College/School:** Col of Science, Engr & Tech**Department:** Department of Chemistry**CHEM 625 Spec Topics In Chem (3 Credits)****Lecture:** 3, **Lab:** 0

SPECIAL TOPICS (3) Consideration of special topics in chemistry. Three (3) lecture hours per week. (Prerequisite: Approval of the graduate advisor or the department chair)

Prerequisite(s): (CHEM 432)**College/School:** Col of Science, Engr & Tech**Department:** Department of Chemistry**CHEM 633 Advanced Organic Chemistry (3 Credits)****Lecture:** 3, **Lab:** 0

ADVANCED ORGANIC CHEMISTRY (3) A study of the mechanisms of reactions of aliphatic and aromatic molecules; both carbocyclic and heterocyclic systems are considered. The effects of changes in structure and stereochemistry on the rate of reaction are also discussed. Three (3) lecture hours per week. (Prerequisite: Approval of the graduate advisor or the department chair)

Prerequisite(s): (CHEM 432)**College/School:** Col of Science, Engr & Tech**Department:** Department of Chemistry**CHEM 634 Adv Organic Chem (3 Credits)****Lecture:** 3, **Lab:** 0

ADVANCED ORGANIC CHEMISTRY (3) A continuation of CHEM 633. Three (3) lecture hours per week. (Prerequisite: CHEM 633)

Prerequisite(s): (CHEM 432 and CHEM 633)**College/School:** Col of Science, Engr & Tech**Department:** Department of Chemistry**CHEM 635 Advanced Physical Chemistry (3 Credits)****Lecture:** 3, **Lab:** 0

ADVANCED PHYSICAL CHEMISTRY (3) A discussion of important concepts in thermodynamics. Three (3) lecture hours per week. (Prerequisite: Approval of the graduate advisor or the department chair)

Prerequisite(s): (CHEM 432)**College/School:** Col of Science, Engr & Tech**Department:** Department of Chemistry**CHEM 636 Advanced Physical Chemistry (3 Credits)****Lecture:** 3, **Lab:** 0

ADVANCED PHYSICAL CHEMISTRY (3) A discussion of fundamental quantum chemistry and other advanced topics in physical chemistry. (Prerequisite: Approval of the graduate advisor or the department chair)

Prerequisite(s): (CHEM 432)**College/School:** Col of Science, Engr & Tech**Department:** Department of Chemistry**CHEM 861 Research Problems (3-6 Credits)****Lecture:** 0, **Lab:** 0

RESEARCH PROBLEMS (3) An individual investigation of a specific problem in chemistry by laboratory experiments or by an exhaustive study of the literature. The results of this work will constitute the student's thesis for the M.S. degree. (Prerequisite: Approval of the graduate advisor or the department chair)

Prerequisite(s): (CHEM 432)**College/School:** Col of Science, Engr & Tech**Department:** Department of Chemistry**CHEM 8311 Independent Study I (3 Credits)****Lecture:** 3

This is a course designed for nonthesis Master of Chemistry to demonstrate the aptitude for chemistry by preparing a literature review of an in-depth topic in chemistry. (Prerequisite: six (6) credits in graduate chemistry courses completed.)

College/School: Col of Science, Engr & Tech**Department:** Department of Chemistry**CHEM 8312 Independent Study II (3 Credits)****Lecture:** 3

This is a course designed for nonthesis Master of Chemistry to demonstrate the aptitude for chemistry by preparing a literature review of an in-depth topic in chemistry. (Prerequisite: CHEM 8311)

Prerequisite(s): CHEM 8311**College/School:** Col of Science, Engr & Tech**Department:** Department of Chemistry

Child & Family Development (CFDV)

CFDV 531 Guidance of Children (3 Credits)**Lecture:** 3

GUIDANCE OF CHILDREN (3) Advanced principles and theories of child development and guidance with emphasis on implications for application of appropriate management techniques for enhancing growth and competence of the young child.

College/School: Liberal Arts & Behavioral Scie**Department:** Human Serv & Consumer Sci**CFDV 532 Lang Cog & Dev Early Chd (3 Credits)****Lecture:** 3

LANGUAGE COGNITION and DEVELOPMENT IN EARLY CHILDHOOD (3) Study of language acquisition theories for promoting developmentally appropriate literacy in the early years.

College/School: Liberal Arts & Behavioral Scie**Department:** Human Serv & Consumer Sci**CFDV 533 Parental Influence Dev (3 Credits)****Lecture:** 3

PARENTAL INFLUENCE and INVOLVEMENT IN CHILD DEVELOPMENT (3) Current issues in parenting; emphasis on the influence of parental involvement and positive parent/ child relationships on development in the early years.

College/School: Liberal Arts & Behavioral Scie**Department:** Human Serv & Consumer Sci**CFDV 534 Issues in Child & Family Dev (3 Credits)****Lecture:** 3

ISSUES IN CHILD AND FAMILY DEVELOPMENT (3) Intensive study of contemporary problems and issues affecting children and families in the development process.

College/School: Liberal Arts & Behavioral Scie**Department:** Human Serv & Consumer Sci

CFDV 536 Grad Practicum (3 Credits)**Lab:** 40

GRADUATE PRACTICUM (3) Opportunities for field experience in early childhood. Individual placements focused on needs of the student; one lecture hour per week and ten (10) practicum hours per week.

College/School: Liberal Arts & Behavioral Scie**Department:** Human Serv & Consumer Sci**CFDV 578 Curr Analy Early Chd Dev (3 Credits)****Lecture:** 3

CURRICULUM DEVELOPMENT IN EARLY CHILDHOOD (3) Principles involved in developing effective programs for young children; emphasis on inclusion of developmentally appropriate practices for stimulating creativity, cognitive, physical, social and affective development.

College/School: Liberal Arts & Behavioral Scie**Department:** Human Serv & Consumer Sci**CFDV 631 Nurs Sch & Kindergarten Admin (3 Credits)****Lecture:** 3

NURSERY SCHOOL and KINDERGARTEN ADMINISTRATION (3) Study of administrative processes that support quality programs for young children; consideration of administrative concerns such as organizational management, fiscal management, facilities planning and management, records, health and safety issues, program planning and assessment, family involvement, and personnel management.

College/School: Liberal Arts & Behavioral Scie**Department:** Human Serv & Consumer Sci**CFDV 634 Seminar in Child and Family Development (3 Credits)****Lecture:** 3

SEMINAR IN CHILD and FAMILY DEVELOPMENT (3) Presentation and discussion of current research topics in human development and family relationships.

College/School: Liberal Arts & Behavioral Scie**Department:** Human Serv & Consumer Sci**CFDV 635 Infant Dev & Behavior (3 Credits)****Lecture:** 3

INFANT DEVELOPMENT and BEHAVIOR (3) Principles of physical, emotional and cognitive development of infants with emphasis on the practical application of theoretical philosophies and research.

College/School: Liberal Arts & Behavioral Scie**Department:** Human Serv & Consumer Sci**CFDV 671 Behavior Probs Young Child (3 Credits)****Lecture:** 3

BEHAVIOR PROBLEMS OF YOUNG CHILDREN (3) The study of emerging and developing deviate and normal behavior patterns of children from infancy through the middle years, with emphasis on identifying and utilizing behavioral management techniques appropriate for modifying behaviors positively.

College/School: Liberal Arts & Behavioral Scie**Department:** Human Serv & Consumer Sci

Communication (CM)

CM 525 African-American Issues in Communications (3 Credits)**Lecture:** 3

Study of historical and contemporary issues, relating to communicational aspects of African American culture and communication. The continuities between African and African-American culture and communications are examined. Three hours of lecture per week. Pre-requisite: none

College/School: School of Communication**Department:** School of Communication**CM 526 Introduction : Graduate Studies in Communication (3 Credits)****Lecture:** 3**College/School:** School of Communication**Department:** School of Communication**CM 533 Theory & Process Of Comm (3 Credits)****Lecture:** 3, **Lab:** 0

THEORY AND PROCESS OF COMMUNICATION (3) Concepts in communication theory; examination of theories and principles relating to the communication process. Required for the Master of Arts Degree in Communication.

College/School: School of Communication**Department:** School of Communication**CM 534 Intro Grad Res Com (3 Credits)****Lecture:** 3, **Lab:** 0

INTRODUCTION TO GRADUATE RESEARCH IN COMMUNICATION (3) Introduction to historical, experimental, descriptive and creative methodologies in communication; design and implementation of research topics. Required for the Master of Arts degree in Communication.

College/School: School of Communication**Department:** School of Communication**CM 535 Media Entrepreneurship (3 Credits)****Lab:** 3

Fund-raising, promotional and business planning for media projects, including the use of websites and social media. Three hours of lecture per week. Pre-requisite: CM 501, JOur 505 and CM 510.

Prerequisite(s): (CM 501 and JOUR 505 and CM 510)**College/School:** School of Communication**Department:** School of Communication**CM 549 Interpersonal Communication (3 Credits)****Lecture:** 3

Model, theories, and variables related to communication in relatively unstructured face-to-face communication. Course meets 3 credit hours per week.

College/School: School of Communication**Department:** School of Communication**CM 550 Qualitative Methods in Comm (3 Credits)****Lecture:** 3

An introduction to qualitative research methods in communication studies. Provides students with an overview of several techniques for, and issues in gathering, analyzing, writing-up, and using qualitative data. Three hours of lecture per week.

College/School: School of Communication**Department:** School of Communication**CM 551 Social Media Culture and Communication (3 Credits)****Lecture:** 3

The history, practices, tools, legal and ethical issues related social media. Emphasis on students' exploration of theories-public relations, communication and business-to help better understand and develop social media. Three hours of lecture per week.

College/School: School of Communication**Department:** School of Communication

CM 554 Intercultural Communication (3 Credits)**Lecture:** 3

Considers rules, meaning, uncertainty reduction, development communication, and comparative approaches to intercultural communication. Examines methodological issues. Three hours of lecture per week.

College/School: School of Communication

Department: School of Communication

CM 555 Family Communication (3 Credits)**Lecture:** 3

This course is designed to acquaint students with some of the more common theoretical and methodological issues that face those who conduct research on family communication. The developmental life course of traditional U.S. families, the various types of families that comprise today's society. Specific topics include social support, communication and attraction, marriage, divorce, sibling relationships, step-families, the effect of spouses' occupations on the family, the influence of culture on family interaction, and communication in abusive families. Three hours of lecture per week.

College/School: School of Communication

Department: School of Communication

CM 558 Independent Study (3 Credits)**Lecture:** 3

College/School: School of Communication

Department: School of Communication

CM 559 Special Topics in Communication (3 Credits)**Lecture:** 3

This is a course designed to address selected topics in communication. Topics and research preferences will vary. No more than six credit hours may be elected in special topics courses. Three hours of lecture per week.

College/School: School of Communication

Department: School of Communication

CM 560 Gender and Communication (3 Credits)**Lecture:** 3

Students will be introduced to the complex ways in which communication and gender intersect. Attention will be given to the socially endorsed views of masculinity and femininity as taught to individuals through a variety of cultural means. Some sections of this course may be offered for majors only. Three hours of lecture per week.

College/School: School of Communication

Department: School of Communication

CM 563 Health Communication Campaigns (3 Credits)**Lecture:** 3

This course exposes student to principles of health communication and campaigns. The emphasis will be on both seminal and recent research trends. As part of the exploration of contextual topics, types of health campaigns will be examined, and students will have an opportunity to design a campaign. 3 credit hours.

College/School: School of Communication

Department: School of Communication

CM 564 E-Health Communication (3 Credits)**Lecture:** 3

This course examines the ways in which new media technology is used to discuss and improve one's health. Students will learn the dominant theories and models used to explain how and why users access health information online, how new media is used to facilitate communication among patients and doctors, the value of virtual support networks, and the way in which new media platforms contribute to increased health literacy. 3 credit hours.

College/School: School of Communication

Department: School of Communication

CM 565 Health and Mass Media (3 Credits)**Lecture:** 3

This course examines the prevalence and nature of mass media messages concerning health, including ways in which health issues are portrayed through entertainment, new media, and advertising. Students will learn about the frequency and nature of health messages in different media formats and the effects these messages have on viewers. 3 credit hours.

College/School: School of Communication

Department: School of Communication

CM 568 Organizational Training & Development (3 Credits)**Lecture:** 3

Covers methods and practice in communication training and development for organizations including pre-assessment, writing objectives, training techniques, post-training evaluation, feedback, and implementation. The emphasis is on communication processes and outcomes for the trainer and trainee plus communication skill development within training modules. Three hours of lecture per week.

College/School: School of Communication

Department: School of Communication

CM 569 Communication and Organizational Crisis (3 Credits)**Lecture:** 3

This course provides students insights regarding key concepts, theoretical perspectives, essential skills and abilities, and critical thinking and problem solving skills necessary for effective crisis management, relationship management, crisis planning and preparation, case studies, and developing crisis communication management plans. Three hours of lecture per week.

College/School: School of Communication

Department: School of Communication

CM 570 Communication in the Global Workplace (3 Credits)**Lecture:** 3

This introductory course explores communication issues that arise in the global workplace. The course develops an appreciation of the relationship among culture, communication, and ways of organizing and doing business. Three hours of lecture per week.

College/School: School of Communication

Department: School of Communication

CM 574 Communciation Leadership in Multi-Context (3 Credits)**Lecture:** 3

This course distinguishes leadership as an influential message-center process. Based on this perspective, the course examines the variables of message exchange (communicator role, message content and meaning, media, context, and culture) as they impact organizational goal achievement. Eight major communication approaches are used to explain leadership. Special attention is given to understanding communication theory and extending social science research. This course examines communication leadership within a context of diversity that includes culture, gender, race, ethnic, as well as additional diversity indices. Three hours of lecture per week.

College/School: School of Communication**Department:** School of Communication**CM 576 Race Gender Class and the Media (3 Credits)****Lecture:** 3

This seminar will involve a survey of relevant literature concerning the interplay between race and mass media. During the course of the semester students will gain an understanding of the relationship between persons of color and the mass media. The course will focus on the mass media's representation of these groups, including whether and/or how their representation, and the current state of their representation. Three hours of lecture per week.

College/School: School of Communication**Department:** School of Communication**CM 634 Adv Comm Res Meth (3 Credits)****Lecture:** 3, **Lab:** 0

ADVANCED COMMUNICATION RESEARCH METHODS (3) Methodology of sampling, design and analysis utilized in field studies; operation of communication variables; basic principles of measuring attitudes and information levels. (Prerequisites: CM 534 and consent of instructor)

College/School: School of Communication**Department:** School of Communication**CM 664 Graduate Practicum (3 Credits)****Lecture:** 3

Student is placed in a position in a media industry. Requirements: completion of all course work, passing of a comprehensive examination, approval of the Graduate Program Advisor and the Graduate Practicum Director, availability of an approved site. Offered as needed. Prerequisites: CM 634 and consent of instructor. Three hours of lecture per week.

Prerequisite(s): (CM 634)**College/School:** School of Communication**Department:** School of Communication**CM 665 Graduate Practicum (3 Credits)****Lab:** 3

Continuation of CM 664. Completion of all course work, passing of a comprehensive examination, approval of the Graduate Program Advisor and the Graduate Practicum Director, availability of an approved site. Offered as needed. Prerequisites: CM 634, CM 664 and consent of instructor. Three hours of lecture per week.

Prerequisite(s): (CM 634 and CM 664)**College/School:** School of Communication**Department:** School of Communication**CM 669 Master's Project Production (4 Credits)****Lecture:** 4

Each student will be responsible for designing, developing and producing a master's project using selected media forms under the supervision of the project advisor. Student are encouraged to plan their projects during the course of study and lecture per week with studio hours to be arranged.

Prerequisite: approval of the academic advisor.**College/School:** School of Communication**Department:** School of Communication**CM 698 Research Project (1-3 Credits)****Lecture:** 1-3, **Lab:** 0

Directed individual study on specific Communication thesis topic. This is a variable credit hours course with a minimum of 1 SCH and a maximum of 3 SCH. May be repeated for credit. Prerequisite: CM 634 and consent of instructor.

Prerequisite(s): CM 634**College/School:** School of Communication**Department:** School of Communication

Computer Science (CS)

CS 511 Alg Anal & Data Str (3 Credits)**Lecture:** 3, **Lab:** 0

Algorithmic Analysis and Data Structures (3) Design, implementation, and analysis of abstract data types; data structures and their algorithms. Also included are data and procedural abstraction, linked lists, stacks, queues, binary trees, priority queues, heaps, searching, and sorting. Specific algorithmic design techniques to be addressed are divide and conquer, the greedy method, backtracking, branch-and-bound, and dynamic programming. Three (3) hours of lecture per week.

College/School: Col of Science, Engr & Tech**Department:** Department of Computer Sci**CS 531 Comp Arch (3 Credits)****Lecture:** 3, **Lab:** 0

Advanced Computer Architectures (3) Architecture of computer hardware, including memory hierarchies, I/O mechanisms, instruction set and data level parallelism, symbolic computation, multiprocessor networks and consistency, and performance modeling. Operational units and their interconnections, which result from architectural specifications are discussed. Also included are memory hierarchies, pipelining, RISC vs. CISC architectures, super scalar processors, and microprogramming. (Contemporary illustrations included). Three (3) hours of lecture per week.

College/School: Col of Science, Engr & Tech**Department:** Department of Computer Sci**CS 541 Operating Systems (3 Credits)****Lecture:** 3, **Lab:** 0

Advanced Operating Systems (3) Discussion of design principles and construction techniques for operating systems. Also included are kernel, process management, memory management, multi-threading, auxiliary storage management, and resource allocation. Comparative structures of different kinds of operating systems included. Three (3) hours of lecture per week.

College/School: Col of Science, Engr & Tech**Department:** Department of Computer Sci

CS 545 Computer Networks (3 Credits)**Lecture:** 3, **Lab:** 0

Computer Networks (3) Presentation of functions required to operate computer communications networks and methodology procedures for implementing these functions. Broad area of wireless data networks addressed. Other topics included ad hoc radio nets, wireless LAN's, 2.5 G and 3 G cellular network architectures, and Internet protocols. Main focus on the TCP and network layer. Prerequisite: consent of the instructor or undergraduate course in networking. Three (3) hours of lecture per week.

College/School: Col of Science, Engr & Tech**Department:** Department of Computer Sci**CS 547 Cryptography & Comp Sec (3 Credits)****Lecture:** 3

Cryptography and Computer Security (3) Fundamentals of security principles; security policies; access control systems and methodology; identification, authentication, and accountability; computational number theory and cryptography; strategies of cryptography; and methods of cryptanalysis. Implications and relationships of security in different areas discussed along with applications. Prerequisite: Consent of the instructor. Three (3) hours of lecture per week.

College/School: Col of Science, Engr & Tech**Department:** Department of Computer Sci**CS 551 Theory of Computation (3 Credits)****Lecture:** 3, **Lab:** 0

Theory of Computation (3) Topics include finite automata; regular sets, expressions and their properties; push-down automata; standard, universal, and linear-bounded Turing machines; relationships between formal languages and automata; Church-Turing thesis; computational view of P and NP problems, undecidability and its consequences. Three (3) hours of lecture per week.

College/School: Col of Science, Engr & Tech**Department:** Department of Computer Sci**CS 553 Automata & Formal Lngs (3 Credits)****Lecture:** 3, **Lab:** 0

Formal Languages and Automata (3) In depth presentation of the foundations, design and implementation of programming languages. The major emphasis will be placed on formal specification of syntax and semantics and a variety of programming language paradigms including statement-oriented and procedural, logic, functional, object-oriented and parallel programming languages. (Prerequisite: Consent of the instructor. Three [3] hours of lecture per week.)

College/School: Col of Science, Engr & Tech**Department:** Department of Computer Sci**CS 571 Artificial Intelligence (3 Credits)****Lecture:** 3, **Lab:** 0

Artificial Intelligence (3) In-depth study of artificial intelligence (AI) systems. Specific topics include intelligent agent, problem solving, knowledge representation and reasoning, uncertain knowledge and non-monotonic reasoning, uncertain reasoning and statistical methods, planning, machine learning, natural language processing, image processing, and robotics. (Prerequisite: Consent of the instructor. Three [3] hours of lecture per week.)

College/School: Col of Science, Engr & Tech**Department:** Department of Computer Sci**CS 583 Data Mining (3 Credits)****Lecture:** 3, **Lab:** 0

Data Mining (3) Presentation of concepts of data mining, including applications, data preparation, model building and evaluation, scoring, data warehousing, architecture data capture, ETL, schema modeling, query design, and optimization. (Prerequisite: Consent of the instructor. Three [3] hours of lecture per week.)

College/School: Col of Science, Engr & Tech**Department:** Department of Computer Sci**CS 591 Web Services (3 Credits)****Lecture:** 3, **Lab:** 0

Web Services (3) Provides understanding and experience in modeling essential aspects of Web-based business application systems, including basic processes to the analyze information requirements and to design appropriate solutions leading to web-based applications in an e-business environment. Emphasis on object-oriented analysis and design, client/server system development methods, and human-computer interaction techniques. (Prerequisite: Consent of the instructor. Three [3] hours of lecture per week.)

College/School: Col of Science, Engr & Tech**Department:** Department of Computer Sci**CS 599 Graduate Seminar Computer Sci (1 Credits)****Lecture:** 1, **Lab:** 0

Graduate Seminar in CS (1 semester credit hour) A series of seminars held every semester in which students are exposed to various research topics in computer sciences. Students are required to attend these seminars and provide a written review to each topic presented.

Prerequisite: Consent of the instructor. One hour of seminar per week

College/School: Col of Science, Engr & Tech**Department:** Department of Computer Sci**CS 645 Multimedia Networking (3 Credits)****Lecture:** 3

This course explores recent advances in multimedia networking technologies. Topics covered include multimedia compression and standards, multimedia streaming over IP networks, quality of service (QoS) support mechanisms and protocols, IP multicasting, Voice over IP, IPTV, and internet multimedia applications. Three credit hours per week.

College/School: Col of Science, Engr & Tech**Department:** Department of Computer Sci**CS 661 Adv Tps in Sfw Eng (3 Credits)****Lecture:** 3, **Lab:** 0

Advanced Topics in Software Engineering (3) Software measurement and analysis theory, applications, and techniques. Also included are process and product metrics, risk and hazard assessment, quality assurance certification techniques, COCOMO model for cost estimation, re-use, reengineering, and software safety. (Prerequisite: Consent of the instructor. Three [3] hours of lecture per week.)

College/School: Col of Science, Engr & Tech**Department:** Department of Computer Sci**CS 681 Adv DB Mgmt Sys (3 Credits)****Lecture:** 3, **Lab:** 0

Advanced Database Management Systems (3) Advanced issues related to database design, data modeling and normalization, query optimization, functional dependencies, data integrity, and data security. (Prerequisite: Consent of the instructor. Three [3] hours of lecture per week.)

College/School: Col of Science, Engr & Tech**Department:** Department of Computer Sci

CS 696 Special Topics in CS (3 Credits)**Lecture:** 3, **Lab:** 0

Special Topics in Computer Science (3) Consideration of contemporary topics and issues in computer science and associated technology. (Prerequisite: Consent of the instructor. Three [3] hours of lecture per week. This course can be repeated for different topics.)

College/School: Col of Science, Engr & Tech**Department:** Department of Computer Sci**CS 697 Independent Master's Prjt (3 Credits)****Lecture:** 3, **Lab:** 0

Independent Master's Project (3) Opportunity for students to do an independent in-depth study on a contemporary topic under the mentorship of a faculty member. Required of students pursuing the Plan B (nonthesis) option. (Prerequisites: Completion of eighteen [18] semester credit hours including core courses and satisfactory completion of the departmental Qualifying Examination.)

College/School: Col of Science, Engr & Tech**Department:** Department of Computer Sci**CS 698 Mst Thes/Rsch I (1-3 Credits)****Lecture:** 1-3, **Lab:** 0

Master's Thesis Research I (1-3) Required independent research project under the mentorship of a faculty member that leads toward the completion of a written thesis for students pursuing the Plan A (thesis) option. (Prerequisites: Completion of eighteen [18] semester credit hours including core courses and satisfactory completion of the departmental Qualifying Examination.)

College/School: Col of Science, Engr & Tech**Department:** Department of Computer Sci**CS 699 Mst Thes/Rsch II (1-3 Credits)****Lecture:** 1-3, **Lab:** 0

Master's Thesis Research II (1-3) Continuation of CS 698. (Prerequisites: CS698.)

College/School: Col of Science, Engr & Tech**Department:** Department of Computer Sci

Counseling (COUN)

COUN 539 School Counseling (3 Credits)**Lecture:** 3, **Lab:** 0

SCHOOL COUNSELING (3) A course designed to provide students with and understanding of the developmental guidance program as well as the role of the school counselor. (No prerequisites)

College/School: College Of Education**Department:** Dept of Counseling**COUN 593 Human Growth and Development (3 Credits)****Lecture:** 3

HUMAN GROWTH AND DEVELOPMENT (3) A study of the genesis and transformation of psychological functions with particular reference to the acquisition of motor skills, language, attitudes, values, and group identification through the life span. (No prerequisites)

College/School: College Of Education**Department:** Dept of Counseling**COUN 611 Appraisal & Assessment Techniq (3 Credits)****Lecture:** 3

APPRAISAL and ASSESSMENT TECHNIQUES (3) A course with focuses on the educational and social issues related to testing and the use of test results. (Prerequisite: EPSY 831)

Prerequisite(s): EPSY 831**College/School:** College Of Education**Department:** Dept of Counseling**COUN 633 Counseling Research (3 Credits)****Lecture:** 3, **Lab:** 0

COUNSELING RESEARCH and PROGRAM EVALUATION (3) Students experience in planning, implementing, and evaluating research and programs. (Prerequisite: EPSY 831)

College/School: College Of Education**Department:** Dept of Counseling**COUN 638 Org & Admin Coun Guid Services (3 Credits)****Lecture:** 3, **Lab:** 0

ORGANIZATION AND ADMINISTRATION OF COUNSELING AND GUIDANCE SERVICES (3) Introduction to planning, organizing and administering guidance services in public schools and other agencies. (Prerequisite: COUN 539 or 832)

Prerequisite(s): COUN 539 or COUN 832**College/School:** College Of Education**Department:** Dept of Counseling**COUN 733 Sem Soc & Cult Diff (3 Credits)****Lecture:** 3, **Lab:** 0

SEMINAR IN SOCIAL AND CULTURAL DIFFERENCES (3) The analysis of selected differences in varying social and cultural groups within the urban setting. (Prerequisite: COUN 539 or 832)

College/School: College Of Education**Department:** Dept of Counseling**COUN 735 Coun Tech (3 Credits)****Lecture:** 3, **Lab:** 0

COUNSELING TECHNIQUES (3) Introduction to and practiced application of counseling techniques as used in today's urban educational and/or professional settings. (Prerequisites: COUN 539 or 832 or 878 and 834)

Prerequisite(s): COUN 539 or COUN 832 or COUN 878 and COUN 593 and COUN 733 and COUN 834 and COUN 876**College/School:** College Of Education**Department:** Dept of Counseling**COUN 736 Supervised Counseling (3 Credits)****Lecture:** 2, **Lab:** 1

SUPERVISED COUNSELING (3) Development of counseling skills in a supervised laboratory setting. Seminar and field placement. (Prerequisites: COUN 539 or 832 or 878 and 735 and 834)

Prerequisite(s): COUN 735**College/School:** College Of Education**Department:** Dept of Counseling**COUN 810 Coun Children & Adolescents (3 Credits)****Lecture:** 3

COUNSELING CHILDREN and ADOLESCENTS (3) The skills, knowledge and application of counseling theories and techniques appropriate for children and adolescents. (Prerequisites: COUN 593 and COUN 834)

Prerequisite(s): COUN 593 and COUN 834**College/School:** College Of Education**Department:** Dept of Counseling**COUN 817 Special Topics (3 Credits)****Lecture:** 3

SPECIAL TOPICS IN COUNSELING (3) Seminar course on rotating topics as chosen by the instructor of record. May be repeated for up to six credit hours. Not for Independent Study (Prerequisite: Consent of Instructor)

College/School: College Of Education**Department:** Dept of Counseling

COUN 821 Counseling Supervision (3 Credits)**Lecture:** 3

COUNSELING SUPERVISION (3) Knowledge and skill development in supervision in clinical and education settings. (Prerequisite: COUN 839)

Prerequisite(s): COUN 839**College/School:** College Of Education**Department:** Dept of Counseling**COUN 832 Community Agency Counseling (3 Credits)****Lecture:** 3, **Lab:** 0

COMMUNITY AGENCY COUNSELING (3) A course with focuses on knowledge and skills needed for professional community agency counselors with urban emphasis. (No prerequisites)

College/School: College Of Education**Department:** Dept of Counseling**COUN 833 Clinical Mental Health Counseling (3 Credits)****Lecture:** 3

This course focuses on the foundation of clinical mental health. The course includes an exploration of the history, philosophy, trends, and practice of clinical mental health counseling, the roles and functions of clinical supervision; professional organizations, preparation standards and other related professional issues. 3 credit hours per week.

College/School: College Of Education**Department:** Dept of Counseling**COUN 834 Coun & Personality Theories (3 Credits)****Lecture:** 3, **Lab:** 0

COUNSELING AND PERSONALITY THEORIES (3) An introduction to counseling and personality theories and the helping relationship. (No prerequisites)

College/School: College Of Education**Department:** Dept of Counseling**COUN 836 Mental Health & Psychopath (3 Credits)****Lecture:** 3

MENTAL HEALTH and PSYCHOPATHOLOGY (3) A course with focuses on diagnosis, treatment, and evaluation of clients in a clinical setting as described by the DSM (Prerequisites: COUN 539 or 832 or 878; and 593, 733, 834; and 876))

Prerequisite(s): COUN 539 or COUN 832 or COUN 878 and COUN 593 and COUN 733 and COUN 834 and COUN 876**College/School:** College Of Education**Department:** Dept of Counseling**COUN 838 Counseling Capstone (3 Credits)****Lecture:** 3

A course designed to provide students with a review of foundation information learned in the program. e credit hours per week.

College/School: College Of Education**Department:** Dept of Counseling**COUN 839 Practicum I (3 Credits)****Lecture:** 1, **Lab:** 2

PRACTICUM I (3) Supervised practice an agency or school setting. Must be repeated if all contact hours are not completed in one semester. Lab fee. (Prerequisites: 36 hours of completed graduate hours including COUN 735, 736, 890, and written consent of the cooperating field setting)

Prerequisite(s): (COUN 735 and COUN 736 and COUN 836 and COUN 890)**College/School:** College Of Education**Department:** Dept of Counseling**COUN 840 Practicum II (3 Credits)****Lecture:** 3

PRACTICUM II (3) Supervised practice in an agency or school setting. Must be repeated if all contact hours are not completed in one semester. Lab fee. (Prerequisites: completion of COUN 839 and written consent of the cooperating field setting)

Prerequisite(s): COUN 839**College/School:** College Of Education**Department:** Dept of Counseling**COUN 841 Family Counseling (3 Credits)****Lecture:** 3

FAMILY COUNSELING (3) Study of the various theories of family counseling and therapy with emphasis on applications in educational and community environments. (Prerequisites: COUN 539 or 832 or 878; and 593, 733, 834, and 876)

Prerequisite(s): COUN 539 or COUN 832 or COUN 878 and COUN 593 and COUN 733 and COUN 834 and COUN 876**College/School:** College Of Education**Department:** Dept of Counseling**COUN 843 Play Therapy (3 Credits)****Lecture:** 2, **Lab:** 1

PLAY THERAPY (3) A course designed for the purpose of studying theory, techniques, and issues related to counseling using play therapy. (Prerequisites: COUN 539 or 832 or 878; and 593, 733, 810, 834, and 876)

Prerequisite(s): COUN 539 or COUN 832 or COUN 878 and COUN 593 and COUN 733 and COUN 834 and COUN 876**College/School:** College Of Education**Department:** Dept of Counseling**COUN 845 Crisis Intervention (3 Credits)****Lecture:** 3

CRISIS INTERVENTION (3) Study of the theory and methods of delivering crisis counseling in educational and community environments. (Prerequisites: COUN 539 or 832 or 878; and 593, 733, 834, and 876)

Prerequisite(s): COUN 539 or COUN 832 or COUN 878 and COUN 593 and COUN 733 and COUN 834 and COUN 876**College/School:** College Of Education**Department:** Dept of Counseling**COUN 847 Consultation Theory & Practice (3 Credits)****Lecture:** 3

This course will provide an overview of consultation theories for the professional counselor and help students develop consultation skills for school, agencies and other clinical organizational settings. 3 credit hours.

College/School: College Of Education**Department:** Dept of Counseling**COUN 851 Substance Abuse Counseling (3 Credits)****Lecture:** 3

SUBSTANCE ABUSE COUNSELING (3) A course focusing on models, counseling strategies, techniques and skill development involved in substance abuse treatment. (Prerequisites: COUN 539 or 832 or 878; and 593, 733, 834, and 876)

Prerequisite(s): COUN 539 or COUN 832 or COUN 878 and COUN 593 and COUN 733 and COUN 834 and COUN 876**College/School:** College Of Education**Department:** Dept of Counseling

COUN 852 Addictions Counseling (3 Credits)**Lecture:** 3

This course covers the theory, research and practice of addictions counseling. Exploration of prevention and intervention of substance abuse, gambling, food, drugs and other types of addictions are included in this course. 3 credit hours per week.

College/School: College Of Education**Department:** Dept of Counseling**COUN 860 Pre-Practicum (3 Credits)****Lecture:** 3

This is a supervised pre-practicum experience in an approved agency, rehabilitation, or school site. Students must complete a minimum of 130 hours are required. Seminar and field experience. 3 credit hours per week.

College/School: College Of Education**Department:** Dept of Counseling**COUN 861 Internship I (3 Credits)****Lecture:** 3

This is a supervised counseling practice in an approved agency, rehabilitation, or school site. Must repeat if all contact hours are not completed in a semester. Students receive training and engage in appropriate counseling practices with clinical staff/professional counselors, must complete 300 clock hours. 3 credit hours.

College/School: College Of Education**Department:** Dept of Counseling**COUN 862 Internship II (3 Credits)****Lab:** 3

This is a supervised practice in an approved agency, rehabilitation, or school site. Must repeat if all contact hours are not completed in a semester. Students receive training and engage in appropriate counseling practices with clinical staff/professional counselors; must complete 300 clock hours. 3 credit hours per week.

College/School: College Of Education**Department:** Dept of Counseling**COUN 876 Career and Lifestyle Dev (3 Credits)****Lecture:** 3, **Lab:** 0

CAREER AND LIFESTYLE DEVELOPMENT (3) The study of techniques and theories used by counselors to assist individuals in making informed choices for future career development. (No prerequisites)

College/School: College Of Education**Department:** Dept of Counseling**COUN 878 Intro to Rehabilitation Coun (3 Credits)****Lecture:** 3

INTRODUCTION TO REHABILITATION COUNSELING (3) An introduction to the field of rehabilitation counseling to include processes, facilities, and personnel involved (No prerequisites)

College/School: College Of Education**Department:** Dept of Counseling**COUN 879 Med Psy Aspect Disability (3 Credits)****Lecture:** 3

MEDICAL and PSYCHOSOCIAL ASPECTS TO DISABILITIES (3) A course focusing on medical aspects of disabilities, medical terminology, and functional implications of disabilities. (No prerequisites)

Prerequisite(s): COUN 878**College/School:** College Of Education**Department:** Dept of Counseling**COUN 890 Group Counseling (3 Credits)****Lecture:** 3, **Lab:** 0

GROUP COUNSELING (3) A course which develops knowledge and understanding of current group practices and knowledge of organizing, facilitating and evaluating groups. (Prerequisites: COUN 735 and COUN 736)

Prerequisite(s): COUN 735 and COUN 736**College/School:** College Of Education**Department:** Dept of Counseling**COUN 895 Ethics & Prof Issues Coun (3 Credits)****Lecture:** 3, **Lab:** 0

ETHICS AND PROFESSIONAL ISSUES IN COUNSELING (3) A general survey of professional, ethical and legal concerns facing the practicing counselor as applicable to school and community agencies in the urban setting. For licensure/certification (No prerequisites)

College/School: College Of Education**Department:** Dept of Counseling**COUN 896 Advanced Ethics (3 Credits)****Lecture:** 3

A course in professional counseling ethics with emphasis on professional practice, records management, overview of business/family law and the study of current rules of the Texas State Board of Examiners of Professional Counselors. 3 credit hours per week.

Prerequisite(s): COUN 895**College/School:** College Of Education**Department:** Dept of Counseling**COUN 897 Independent Study (3 Credits)****Lecture:** 3

Independent Study is a course designated for study and research in an area of Counseling under Departmental guidance and supervision. This course may be repeated but not to exceed a maximum of six(6) credit-hours. Pre-req: Departmental approval prior to registration.

College/School: College Of Education**Department:** Dept of Counseling**COUN 910 Counseling the Adolescent (3 Credits)****Lecture:** 3, **Lab:** 0

COUNSELING THE ADOLESCENT (3) Growth and development of adolescents will be examined. Peer pressure will be explored as related to social growth. Focus will be placed in adolescent issues and therapeutic treatment.

College/School: College Of Education**Department:** Dept of Counseling**COUN 911 Ind Appraisal In Coun (3 Credits)****Lecture:** 3, **Lab:** 0

INDIVIDUAL APPRAISAL IN GUIDANCE (3) Analysis and techniques of individual appraisal in guidance and counseling services.

College/School: College Of Education**Department:** Dept of Counseling**COUN 912 Prin & Found Of Coun (3 Credits)****Lecture:** 3, **Lab:** 0

PRINCIPLES AND FOUNDATIONS (3) Philosophical, psychological and Sociological concepts fundamental to guidance and related professions; rationales and models designed to integrate guidance functions and curriculum.

College/School: College Of Education**Department:** Dept of Counseling

COUN 913 Coun & Ind Case Work (3 Credits)**Lecture:** 3, **Lab:** 0

COUNSELING AND INDIVIDUAL CASEWORK (3) Consideration is given to the counseling process, theories of behavior underlying different approaches to counseling.

College/School: College Of Education**Department:** Dept of Counseling**COUN 914 Supervised Counseling (3 Credits)****Lecture:** 3, **Lab:** 0

SUPERVISED COUNSELING (3-6) This course is designed to demonstrate skill development utilization modifications of the Micro-counseling Model in a laboratory setting. Individual study with a weekly seminar. May be repeated.

College/School: College Of Education**Department:** Dept of Counseling**COUN 915 Vocational Assessment (3 Credits)****Lecture:** 3, **Lab:** 0

VOCATIONAL ASSESSMENT (3) A study of various methods, instruments, and techniques used in determining occupational aptitudes and interest of students.

College/School: College Of Education**Department:** Dept of Counseling**COUN 916 Sem Comm Col Stu Pers Servs (3 Credits)****Lecture:** 3, **Lab:** 0

STUDENT PERSONNEL SERVICE (3) An examination and investigation of critical issues in community college personnel work. Seminar reports required.

College/School: College Of Education**Department:** Dept of Counseling**COUN 917 Sem IICounseling (3 Credits)****Lecture:** 3, **Lab:** 0

SEMINAR II-COUNSELING SOCIAL ISSUES (3) Courses for advanced students in guidance who wish to make a study of specific problems of their own choosing.

College/School: College Of Education**Department:** Dept of Counseling**COUN 918 Probs In Coun (3-6 Credits)****Lecture:** 6, **Lab:** 0

SEMINAR III-URBAN ISSUES IN COUNSELING (3-6) A course affording the opportunity and challenge of self-directive, independent study, enabling the student to pursue needed study in a field appropriate to the curriculum design. Hours to be arranged.

College/School: College Of Education**Department:** Dept of Counseling**COUN 919 Internship (3 Credits)****Lecture:** 0, **Lab:** 9

INTERNSHIP (6) Application of academic preparation in a professional employment setting. Independent study with weekly consultation. Hours to be arranged. May be repeated.

College/School: College Of Education**Department:** Dept of Counseling**COUN 920 Research in Counseling (3 Credits)****Lecture:** 3, **Lab:** 0

RESEARCH IN COUNSELING (3) Research methods related to counseling issues will be studied. Develop research models for mental health counseling.

College/School: College Of Education**Department:** Dept of Counseling**COUN 941 Parent & Family Counseling (3 Credits)****Lecture:** 2, **Lab:** 1

PARENT AND FAMILY COUNSELING (3) The study of family systems and effective strategy for urban family intervention. (Prerequisite: Approval of instructor)

College/School: College Of Education**Department:** Dept of Counseling**COUN 942 Marriage & Couples Counseling (3 Credits)****Lecture:** 2, **Lab:** 1

MARRIAGE/COUPLES COUNSELING (3) Application of relationship counseling theory to the study of individual development, interpersonal relationships, marital systems, and conflict resolution. (Prerequisite: Approval of instructor)

College/School: College Of Education**Department:** Dept of Counseling**COUN 943 Child Coun & Play Therapy (3 Credits)****Lecture:** 2, **Lab:** 1

CHILD COUNSELING AND PLAY THERAPY (3) The study of learning and behavioral patterns of children and the utilization of play media to facilitate self-expression, selfunderstanding, and personal growth and development.

College/School: College Of Education**Department:** Dept of Counseling**COUN 944 Topics in Aging (3 Credits)****Lecture:** 3

TOPICS IN AGING (3) In-depth analysis and discussion of selected significant subjects in aging and geriatrics.

College/School: College Of Education**Department:** Dept of Counseling**COUN 945 Independent Study (3 Credits)****Lecture:** 3

Independent Study is a course designated for study and research in an area of Counseling under Departmental guidance and supervision. This course may be repeated but not to exceed a maximum of six(6) credit-hours. Pre-req: Departmental approval prior to registration.

College/School: College Of Education**Department:** Dept of Counseling**COUN 951 Drugs & Addiction (3 Credits)****Lecture:** 3

DRUGS AND ADDICTION (3) The special application of principles of drugs and addiction to the urban population.

College/School: College Of Education**Department:** Dept of Counseling**COUN 989 Seminar in Counseling (3 Credits)****Lecture:** 2, **Lab:** 1

SEMINAR IN COUNSELING: CASE MANAGEMENT AND TREATMENT (6) Application of clinical diagnosis with use of Diagnostic and Statistical Manual (DSM) specifically using the diagnostic tree. Treatment plans and case management for short and long-term goals are explored.

College/School: College Of Education**Department:** Dept of Counseling**COUN 999 Dissertation (3-12 Credits)****Lecture:** 0, **Lab:** 6

DISSERTATION (6) Research for dissertation. Hours to be arranged.

College/School: College Of Education**Department:** Dept of Counseling

COUN 5390 School Counseling: Consultation, Coordination, and Counseling Services (3 Credits)**Lecture: 3**

This course is designed to provide students with an understanding of the planning, design, implementation, and evaluation of comprehensive, developmental school counseling programs and professional ethics. The course includes student collaboration with existing school counseling programs to facilitate student professionalism and competence in consultation, strategy selection and implementation, program delivery, and community referral.

College/School: College Of Education

Department: Dept of Counseling

COUN 6315 Assessment, Occupational Analysis, and Service Implementation (3 Credits)**Lecture: 3**

A course with focuses on vocational implications of functional limitations associated with disabilities, interpretation of assessment results for rehabilitation for planning purposes, tests and evaluation techniques available for assessing clients' needs, methods and techniques used to conduct labor market surveys. (Prerequisites: COUN 8365 and EPSY 8331)

Prerequisite(s): COUN 8365 and EPSY 8331

College/School: College Of Education

Department: Dept of Counseling

COUN 6380 School Counseling: Leadership, Advocacy, and Accountability (3 Credits)**Lecture: 3**

Application of The Texas Model for Comprehensive School Counseling Programs to promote education, personal, social, and career development of the learner. The course includes study of referral sources, community service agencies, legal and ethical practices and development of practical school counseling skills. (Prerequisite: COUN 5390)

Prerequisite(s): COUN 5390

College/School: College Of Education

Department: Dept of Counseling

COUN 7380 Technology in School Counseling (3 Credits)**Lecture: 3**

This course focuses on the integration of technology and emerging Web applications into the school counseling curricula. Students will explore the application of emerging technologies to effectively deliver comprehensive school counseling programming in schools from PreK through 12th grade graduation. (Prerequisite: COUN 5390)

Prerequisite(s): COUN 5390

College/School: College Of Education

Department: Dept of Counseling

COUN 8325 Case Management (3 Credits)**Lecture: 3**

A course focusing on case management process, negotiation, mediation, and conflict resolution strategies, principles of caseload management, advocacy processes, principles, models, and documentation formats for biopsychosocial case conceptualization and treatment planning. (Prerequisite: COUN 8365)

Prerequisite(s): COUN 8365

College/School: College Of Education

Department: Dept of Counseling

COUN 8335 Health Care and Disability Management (3 Credits)**Lecture: 3**

A course focusing on appropriate medical intervention resources, health promotion and wellness concepts and strategies for people with chronic illness and disability, disability prevention and management strategies, workers' compensation law and practices. (Prerequisite: COUN 8365)

Prerequisite(s): COUN 8365

College/School: College Of Education

Department: Dept of Counseling

COUN 8355 Research, Methodology, and Performance Management (3 Credits)**Lecture: 3**

Students experience in planning, implementing, and evaluating research and programs with focus on program evaluation procedures for assessing the effectiveness of rehabilitation services and outcomes, research methods and statistics. (Prerequisites: COUN 8365 and EPSY 8331)

Prerequisite(s): COUN 8365 and EPSY 8331

College/School: College Of Education

Department: Dept of Counseling

COUN 8365 Professional Orientation and Ethical Practice in Rehab Counseling (3 Credits)**Lecture: 3**

An introduction to the field of rehabilitation counseling, rehabilitation terminology and concepts, risk management and professional standards for rehabilitation counselors, ethical decision-making models and processes, credentialing issues related to the rehabilitation counseling profession.

College/School: College Of Education

Department: Dept of Counseling

COUN 8380 Counseling Capstone (3 Credits)**Lecture: 3**

This course is designed for graduate level students to review 8 core areas in counseling using objective assessment as student exit the program; and, transition from the role of a graduate student to a professional through an experiential capstone project. (Prerequisites: COUN 5390 or 8330 or 8365; and 5391, 6311, 6330, 7330, 7350, 8340, 8360, 8376, 8390, 8395, 8396, 8399)

Prerequisite(s): (COUN 5390 or COUN 8330 or COUN 8365) and (COUN 5391 and COUN 6311 and COUN 6330 and COUN 7330 and COUN 7350 and COUN 8340 and COUN 8360 and COUN 8376 and COUN 8390 and COUN 8395 and COUN 8396 and COUN 8399)

College/School: College Of Education

Department: Dept of Counseling

COUN 8385 Career Development and Job Placement in Rehab Counseling (3 Credits)**Lecture: 3**

This course will study techniques and theories used by rehabilitation counselors to assist individuals in making informed choices for future career development. (Prerequisite: COUN 8365)

Prerequisite(s): COUN 8365

College/School: College Of Education

Department: Dept of Counseling

COUN 8394 Social, Legal, and Ethical Issues in School Counseling (3 Credits)**Lecture:** 3

This course focuses on principles, practices, and application of social, ethical and legal issues in school counseling. (Prerequisite COUN 5390)

Prerequisite(s): COUN 5390**College/School:** College Of Education**Department:** Dept of Counseling**COUN 8399 Mental Health and Psychopathology (3 Credits)****Lecture:** 3

This course focuses on evaluation, diagnosis, and treatment of clients in a clinical setting as described by the Diagnostic and Statistical Manual of Mental Disorders (DSM) and introduces Psychopharmacology. (Prerequisites: COUN 8330 or 8365; and 5391, 7330, 8340)

Prerequisite(s): (COUN 8330 or COUN 8365) and (COUN 5391 and COUN 7330 and COUN 8340)**College/School:** College Of Education**Department:** Dept of Counseling

Education Admin. & Supervision (EDAS)

EDAS 532 School & Public Relation (3 Credits)**Lecture:** 2, **Lab:** 1

THE SCHOOL AND PUBLIC RELATIONS (3) Leadership in shaping the campus culture by facilitating the development, articulation, implementation and stewardship of a vision of learning shared and supported by the school community.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 534 Principal As A Supervisor (3 Credits)****Lecture:** 3, **Lab:** 0

THE PRINCIPAL AS A SUPERVISOR (3) Instructional leadership using a positive school culture, organizational practices; student academic success through instructional improvement and research based strategies with multiple opportunities to learn.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 537 Principles Of Educ Administrat (3 Credits)****Lecture:** 2, **Lab:** 1

PRINCIPLES OF EDUCATIONAL ADMINISTRATION (3) Overview of the nine state competencies addressing school and community, communication, mobilizing resources and legal practices with emphasis on the code of ethics.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 541 Curr Planning & Development (3 Credits)****Lecture:** 3, **Lab:** 0

ADMINISTRATION AND SUPERVISION OF CURRICULUM AND INSTRUCTION (3) Leadership for program development and implementation, strategic plans enhancing teaching and learning, curriculum alignment, resources, assessments and other means ensuring student success.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 634 School Finance (3 Credits)****Lecture:** 3, **Lab:** 0

FINANCE AND ECONOMICS OF PUBLIC EDUCATION (3) Current local, state and federal funding patterns and emerging alternatives. Money as a factor in equal educational opportunity. Economic value of education in American Society.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 636 Law In Human Resources (3 Credits)****Lecture:** 3**College/School:** College Of Education**Department:** Dept of EducAdmin/Found**EDAS 637 Budgeting (3 Credits)****Lecture:** 3**College/School:** College Of Education**Department:** Dept of EducAdmin/Found**EDAS 651 Human Resources Management (3 Credits)****Lecture:** 3**College/School:** College Of Education**Department:** Dept of EducAdmin/Found**EDAS 674 Prin of Instru Leadership (3 Credits)****Lecture:** 3, **Lab:** 0

PRINCIPLES OF SUPERVISION (3) History, philosophy and purposes of school supervision. Roles, qualifications, skills, responsibilities and personal characteristics of supervisors. Strategies for curriculum development, program improvement and staff growth. School supervision, qualifications, skills and responsibilities using sound research-based instructional strategies, decision-making, programs and services, which meet individual student needs.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 675 Leadership & Management of Ins (3 Credits)****Lecture:** 3

TECHNIQUES OF SUPERVISION (3) Instructional supervision to sustain a positive campus culture; that includes the marginal teacher while promoting student achievement through staff development which meets individual student needs.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 678 Training & Professional Dev (3 Credits)****Lecture:** 3**College/School:** College Of Education**Department:** Dept of EducAdmin/Found**EDAS 679 Career Development (3 Credits)****Lecture:** 3**College/School:** College Of Education**Department:** Dept of EducAdmin/Found**EDAS 680 Seminar in Human Resources (3 Credits)****Lab:** 3**College/School:** College Of Education**Department:** Dept of EducAdmin/Found**EDAS 682 HR & Performance MGMT (3 Credits)****Lecture:** 3**College/School:** College Of Education**Department:** Dept of EducAdmin/Found

EDAS 734 Superv Elem School Curriculum (3 Credits)**Lecture:** 3, **Lab:** 0

SUPERVISION OF ELEMENTARY SCHOOL CURRICULUM (3) Knowledge and skills of promoting the success of all students by facilitating the design and implementation of curriculum alignment, resources, and professional development opportunities for teaching and learning.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 735 Super High School Curriculum (3 Credits)****Lecture:** 3, **Lab:** 0

SUPERVISION OF THE HIGH SCHOOL CURRICULUM (3) Problems of departmentalized organization staffing, evaluation, and materials for middle and high schools. Special emphasis on programs designed to help urban students graduate.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 736 Seminar In School Problems (3 Credits)****Lecture:** 3, **Lab:** 0

SEMINAR IN SCHOOL PROBLEMS (3) Research analysis and discussion of current issues and constraints in school administration. Problems identified and discussed will address the three domains and nine competencies.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 770 The Superintendency (3 Credits)****Lecture:** 3, **Lab:** 0

THE SUPERINTENDENCY (3) Superintendent's role and function: promoting academic success for all students, mobilizing community resources, and implementing a vision for learning supported by all diverse entities.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 780 Problems in Administration (3 Credits)****Lecture:** 3, **Lab:** 0

PROBLEMS IN EDUCATIONAL ADMINISTRATION (3) Identification of current problems facing campus administrators regarding the campus community, culture, student success factors, learning differences, multicultural awareness, gender sensitivity and ethnic appreciation.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 781 Internship I (3,6 Credits)****Lecture:** 0, **Lab:** 12

Internship I (3) Practical experiences in a school setting under the direction of a university professor and practicing administrator.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 782 Internship II (3,6 Credits)****Lecture:** 0, **Lab:** 12

Internship II (3) Field based experiences with the requirement of an action research component with an approved proposal and completion.

Prerequisite(s): EDAS 781**College/School:** College Of Education**Department:** Dept of EducAdmin/Found**EDAS 783 Internship-Human Resources (3 Credits)****Lecture:** 3**College/School:** College Of Education**Department:** Dept of EducAdmin/Found**EDAS 788 Superintendent Internship (3 Credits)****Lecture:** 3

Superintendent Internship (3) Collaboratively planned field based experiences incorporating specific skills, knowledge and beliefs, addressing the superintendent standards under the co-direction of practicing superintendents/assistant superintendents.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 800 Schl Org, Leadership & Mgmt (3 Credits)****Lecture:** 3, **Lab:** 0

Organization and Leadership and Management (3) Basic leadership and organizational structure for managing educational systems while acquiring the necessary resources for a safe, efficient, and effective learning environment.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 834 Adv Topics Sch Finance (3 Credits)****Lecture:** 3, **Lab:** 0

Advanced Topics in School Finance (3) Problems of educational finance, practice, federal-state-local relations in budgeting, working collaboratively with campus administrators in determining needs, goals, and resources to support student success.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 835 Sch Plant Plng & Mgt (3 Credits)****Lecture:** 3, **Lab:** 0

School Plant Planning and Management (3) Schoolhouse construction and renovation using educational specifications, bidding, dedication, energy conservation, operations and maintenance.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 836 School Law (3 Credits)****Lecture:** 3, **Lab:** 0

School Law (3) Constitutional, statutory and judicial aspects of the law affecting school boards, administrators, teachers, parents, and pupils. Knowledge of basic legislative, legal and judicial processes promoting student success.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 841 Group Proc in Edu Prob Solving (3 Credits)****Lecture:** 3, **Lab:** 0

Group Processes in Educational Problem Solving (3) Behavioral research, group dynamics and democratic processes using school centered issues focusing on the success of all students.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 842 Externship (3 Credits)****Lecture:** 3, **Lab:** 0

Externship (3) Seminar designed to provide hands-on tasks related to the standards and other related TExES materials regarding the leadership role of the principal.

College/School: College Of Education**Department:** Dept of EducAdmin/Found

EDAS 846 Cmptr Tech In Ed Admin (3 Credits)**Lecture:** 3, **Lab:** 0

Computer Technology in Educational Administration (3) Application of computer skills in addressing issues pertinent to the role of the school administrator regarding curriculum application and office management.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 850 Leadership & Campus Culture (3 Credits)****Lecture:** 3, **Lab:** 0

Leadership and Campus Culture (3) The principal's responsibility for utilizing effective school leadership in shaping the school/community learning vision, campus culture and responding to diverse needs of all populations.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 856 Restorative Discipline (3 Credits)**

This course provides an introduction and exposure to the principles of restorative discipline and its application to the treatment of students for "breaking classroom and school rules." The framework of the course is, in part, based on social work values and the ethical decision-making process.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 876 Fundamentals of Athletic Administration (3 Credits)****Lecture:** 3

This course provides an overview of athletic administration and introduces the philosophy of the role of athletics in education. The course examines fundamentals of administration of athletic programs and educates athletic administrators regarding potential risks and possible solutions in athletics. 3 credit hour course.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 880 Human Resources Lead & Mgmt (3 Credits)****Lecture:** 3, **Lab:** 0

Human Resources Leadership and Management (3) Knowledge of recruitment, selection, placement, training, evaluation and development systems of personnel, and maintenance system of records for staff and pupils.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 900 Ed Policy Development (3 Credits)****Lecture:** 3, **Lab:** 0

EDUCATIONAL POLICY DEVELOPMENT (3) Provides an understanding of how educational policy is developed and implemented, and an awareness that factors and mechanics involved, address the needs of a pluralistic society.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 933 Systems Mgmt Of Schools (3 Credits)****Lecture:** 3, **Lab:** 0

SYSTEMS MANAGEMENT OF SCHOOLS (3) In-depth study of the system approach to decision-making in education focusing on problems related to design, implementation and evaluation.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 934 Educational Finance (4 Credits)****Lecture:** 3, **Lab:** 0**College/School:** College Of Education**Department:** Dept of EducAdmin/Found**EDAS 935 Sch Admin Hierarchy (3 Credits)****Lecture:** 3, **Lab:** 0

SCHOOL ADMINISTRATIVE HIERARCHY (3) Survey course that examines role, function, duties, and responsibilities of school leaders at varying levels in governance and administration of school programs.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 936 Doc Sem School Law (3 Credits)****Lecture:** 3, **Lab:** 0

DOCTORAL SEMINAR IN SCHOOL LAW (3) Study of laws as they relate to administrators, teachers, pupils, authority of local and state officials, property finance, and liability of school districts with emphasis on laws relating to urban education.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 939 Plng Ed Change (3 Credits)****Lecture:** 3, **Lab:** 0

PLANNING FOR EDUCATIONAL CHANGE (3) Study of planning process and implementation of change, particularly as it reflects on the urban community.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 950 Schools & The Community (3 Credits)****Lecture:** 3, **Lab:** 0

SCHOOLS AND THE COMMUNITY (3) Study of schools and their relationship with a pluralistic community. Emphasizes techniques to encourage involvement of all groups.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 951 Professional Negotiations (4 Credits)****Lecture:** 3, **Lab:** 0**College/School:** College Of Education**Department:** Dept of EducAdmin/Found**EDAS 953 Evaluation Of Schools (3 Credits)****Lecture:** 3, **Lab:** 0

EVALUATION OF SCHOOLS (3) Emphasizes techniques for evaluating secondary and elementary schools. Studies criteria of the Southern Association of Colleges and Schools and the Texas Education Agency.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 955 Org & Admin Theory (3 Credits)****Lecture:** 3, **Lab:** 0

ORGANIZATION AND ADMINISTRATION THEORY (3) Review and analysis of important trends in behavioral, human relations, scientific and systems theory in the organization and management of schools.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 961 Ind Studies In Ed Admin (3-6 Credits)****Lecture:** 3, **Lab:** 0

INDEPENDENT STUDIES IN EDUCATIONAL ADMINISTRATION (1 6) Independent study or research on issues of education in an urban setting. (May be repeated).

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 963 Educational Finance (3 Credits)****Lecture:** 3, **Lab:** 0**College/School:** College Of Education**Department:** Dept of EducAdmin/Found

EDAS 965 Internship in Superintendency (3 Credits)**Lecture:** 0, **Lab:** 0**College/School:** College Of Education**Department:** Dept of EducAdmin/Found**EDAS 970 Advanced Superintendency (3 Credits)****Lecture:** 0, **Lab:** 3**College/School:** College Of Education**Department:** Dept of EducAdmin/Found**EDAS 973 Leadership Seminar (3 Credits)****Lecture:** 3, **Lab:** 0

LEADERSHIP SEMINAR (3) Examines leadership concepts and research findings as they relate to the urban community.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 976 Advanced Concepts of Athletic Administration (3 Credits)****Lecture:** 3

This course provides an in depth view of athletic administration and examines the philosophy of the role athletics in education. The course examines advanced concepts of administration of athletic programs and educates athletic administrators regarding potential risks and possible solutions in athletics. 3 credit hours.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 978 Doctoral Internship (3-9 Credits)****Lecture:** 0, **Lab:** 18

DOCTORAL INTERNSHIP (6) Application of doctoral studies in practice supervised by field administrator and/or University faculty member. Related seminars.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 985 Seminar In Supervision (3 Credits)****Lecture:** 3, **Lab:** 0

SEMINAR IN SUPERVISION (3) Discussion of theory and research in resolving current issues of curriculum content, instructional techniques, and staff development including an assessment of the impact of these on the urban, inner-city students.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 988 Adv Sem In Ed Admin (3 Credits)****Lecture:** 3, **Lab:** 0

ADVANCED SEMINAR IN EDUCATIONAL ADMINISTRATION (3) Application of theoretical concepts from administration related fields which are applicable to urban settings.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 998 Doc Colloq Ed Admin (3 Credits)****Lecture:** 3, **Lab:** 0

DOCTORAL COLLOQUIUM IN EDUCATIONAL ADMINISTRATION (3) Colloquium on special topics in educational administration. May be repeated to a maximum of six (6) semester credit hours.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDAS 999 Dissertation (3-12 Credits)****Lecture:** 12, **Lab:** 0

DOCTORAL DISSERTATION (6) Thorough study and analysis of in-depth topics in Educational Administration.

College/School: College Of Education**Department:** Dept of EducAdmin/Found

Education Curriculum & Instr. (EDCI)

EDCI 246 Hist & Theories of Child Devel (3 Credits)**Lecture:** 3, **Lab:** 0**College/School:** College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 301 Content Foc Tchng: Reading (3 Credits)****Lecture:** 3**College/School:** College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 310 Field Based I Perf Focus Tchng (3 Credits)****Lecture:** 3, **Lab:** 0

Principles and Foundations of Education (3) Analyzes the ethical and legal aspects of teaching, including the structure, organization, and management of the U.S. school system. Three hours of lecture per week.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 328 Field Based -II Perf Focus Tch (3 Credits)****Lecture:** 3, **Lab:** 0

Psychology of Learning, Growth, and Development (3) Analyzes human development and behavior that influences learning. Attention given to motivational styles, learning styles, and ethnic identity development in multicultural classrooms. Three hours of lecture per week.

Prerequisite(s): EDCI 310 and EDCI 339**College/School:** College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 329 Content Foc Tchng: Social Stud (3 Credits)****Lecture:** 3, **Lab:** 0

Content Focused Teaching in Social Studies (3) Provides developmentally appropriate knowledge and skills needed for planning, organizing, and effectively delivering instruction based on NCSS social studies standards. Three hours of lecture per week.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 330 Content Foc TCHG: Mathematics (3 Credits)****Lecture:** 2, **Lab:** 1

Content Focused Teaching in Mathematics (3) Teaching and learning with an emphasis in content-integrated curriculum and school-based inquiry in mathematics. Three hours of lecture per week.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 339 Classrm Mngt (3 Credits)****Lecture:** 3, **Lab:** 0

Assessment and Evaluation (3) Develops the relationship between evaluation and the instructional process, including using, constructing, and selecting assessment instruments. Three hours of lecture per week. Prerequisites: EDCI 310 and EDCI 328.

Prerequisite(s): (EDCI 310 and EDCI 328)**College/School:** College Of Education**Department:** Dept of Curriculum & Instructn

EDCI 340 Ins Tec II (3 Credits)**Lecture:** 3, **Lab:** 0

Instructional Technology II (3) Emphasizes researching, planning, developing, implementing, and evaluation of teaching and learning materials for specific purposes. Requires planning for higher order thinking, multiple learning and information processing. Three hours of computer use and lecture per week. Prerequisite: EDCI 210.

Prerequisite(s): EDCI 210**College/School:** College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 345 Survey of Early Chld Dev (3 Credits)****Lecture:** 3, **Lab:** 0

Survey of Early Childhood Development (3) Analyzes, in-depth, children from birth to age eight with special emphasis on typical and atypical cognitive, physical, social, and emotional development. Minimum of 20 hours of observation required. Three hours of lecture per week.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 346 Intro to Edu Psychology (3 Credits)****Lecture:** 3, **Lab:** 0

History and Theories of Child Development (3) Develops historical, philosophical, psychological, and social foundations in early childhood. Cognitive, physical, social, and emotional developmental theories emphasized. Three hours of lecture per week.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 347 Adol Dev (3 Credits)****Lecture:** 3

Adolescent Development Theories (3) Analyzes developmentally appropriate human processes, from birth through age 16, with respect to adolescent adjustment to school and society. Three hours of lecture per week.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 348 Hum Dev Thry (3 Credits)****Lecture:** 3**College/School:** College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 350 Desgng & Implg Inst/Assessment (3 Credits)****Lecture:** 3

Effective Instructional Strategies (3) Focuses on the study of instructional methods that emphasize practical application to the teaching/learning process. Some of these strategies include: planning, resources and communication. Three hours of lecture per week.

Prerequisites: EDCI 310 and EDCI 328.

Prerequisite(s): (EDCI 310 and EDCI 328 (may be taken concurrently) and EDCI 339)**College/School:** College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 402 Content Foc Tchng: Science (3 Credits)****Lecture:** 3

Science Strategies (3) Stresses the principles, content, methods and materials of teaching science in grades EC-8. The major focus is on planning, organizing, and delivering instruction based on the Science Teks. Three hours of lecture per week.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 403 Sci Strat II (3 Credits)****Lecture:** 3**College/School:** College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 404 Cert Sem (3 Credits)****Lecture:** 3, **Lab:** 0

Certification Seminar (3) Emphasizes the importance of aligning knowledge and skills with ideal practices in developmentally appropriate teaching environments. Three hours of lecture per week. Prerequisites: EDCI 310, 328, 339 and 350.

Prerequisite(s): EDCI 310 and EDCI 328 and EDCI 339 and EDCI 350**College/School:** College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 405 Integrated Lang Arts/Soc Stud (3 Credits)****Lecture:** 3

Integrated Language Arts, Social Studies, and Fine Arts (3) Enhances the language skills of pre-service teachers through Social Studies, Art, Music, and Drama in order for them to model effective teaching practices from a whole language approach. Three hours of lecture per week.

Prerequisite(s): RDG 301 or RDG 302**College/School:** College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 410 Individual Projects (3 Credits)****Lecture:** 1, **Lab:** 4

Individual Project (3) Creates opportunities for students to increase learner outcomes through participation in an independent project to apply effective instructional practices for diverse populations of urban learners.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 430 Integrated Sci, Math, & Health (3 Credits)****Lecture:** 3

Integrated Science, Mathematics, and Health (3) Provides integrated study of the natural and social sciences, along with mathematics and health, in a creative way with associated teaching strategies to support the success of urban students. Intended for pre-service teachers. Three hours of lecture per week.

Prerequisite(s): MATH 133 and MATH 235 and MATH 236**College/School:** College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 431 Linguistics (3 Credits)****Lecture:** 3, **Lab:** 0

Linguistics (3) Introduces the basic linguistic concepts and terminology related to phonology, syntax, morphology, vocabulary, and semantics for bilingual and ESL teachers. Three hours of lecture per week.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 432 Language Acquisition (3 Credits)****Lecture:** 3, **Lab:** 0

Language Acquisition (3) Analyzes the first and second language acquisition theories. Addresses the linguistic, cultural, and cognitive factors that impact the acquisition of a second language. Three hours of lecture per week.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn

EDCI 433 Early Childhood Curriculum (3 Credits)**Lecture:** 3, **Lab:** 0

Early Childhood Curriculum (3) Examines and stresses planning, implementation, and evaluation of developmentally appropriate curriculum content for young children from birth through age eight. Emphasizes an interdisciplinary cognitive curriculum that includes an understanding of mathematics, science, and social studies. Three hours of lecture per week.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 434 Creat Arts & Move (3 Credits)****Lecture:** 3, **Lab:** 0

Creative Arts and Movement (3) Provides basic skills and techniques associated with activities and strategies for integrating the visual arts, music, creative drama and movement into the EC-4 curriculum. Three hours of lecture per week.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 435 Lan Dev & Lit (3 Credits)****Lecture:** 3, **Lab:** 0

Language Development and Literacy in Early Childhood (3) Emphasizes the development of receptive, expressive language, and emergent literacy in children. Includes understanding and awareness of native speakers of other languages. Three hours of lecture per week.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 436 English Lang Skills (3 Credits)****Lecture:** 3, **Lab:** 0

Developing English Language Skills (3) Creates opportunities for students to practice techniques to teach English to speakers of other languages. Three hours of lecture per week.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 437 Effective Classroom Communicat (3 Credits)****Lecture:** 3**College/School:** College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 438 Hum Dev Thry II (3 Credits)****Lecture:** 3

Human Development Theories (3) Analyzes developmentally appropriate human processes, from birth through age twenty, with respect to cognitive, physical, emotional, linguistic, social, moral, and ethical development. Three hours of lecture per week.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 444 Role of Play in Early Childhd (2 Credits)****Lecture:** 2, **Lab:** 0**College/School:** College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 450 DIR STU TCH GRD 4-8 (6 Credits)****Lecture:** 6, **Lab:** 0

Directed Student Teaching in Grades 4-8 (6) Provides directed student teaching in grades 4-8 with supervisory support from the College of Education, a University-based supervisor, and a school-based supervisor. Two hours of lecture and forty hours of laboratory per week.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 451 Curriculum & Assessment for English Language (3 Credits)****Lecture:** 3

This course addresses second language instruction and subject matter instruction in english ELL students who are in mainstream classrooms. Three credit hours per week.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 452 ESL Materials and Methods (2 Credits)****Lecture:** 2

This course will focus on key concepts in ESL methodology, including teaching strategies and techniques to help ESL student in listening, speaking, reading, and writing skills in the content areas. Two credit hours per week.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 453 Conversation Spanish (3 Credits)****Lecture:** 3

This course will focus on the patterns of conversation, essential vocabulary and simple grammatical structures to develop skills in listening, speaking, reading and writing spanish. We will explore the diverse traditions andn rich culture through a variety of activities. Three credit hours per week.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 454 Internship (3 Credits)****Lecture:** 3

The Internship is designed to provide non certification track students with work experience in EC-12 or other coummunity settings. Three credit hours per week.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 455 Curr Dev in Bilingual Ed (3 Credits)****Lecture:** 3

Curriculum Development in Bilingual Education (3) Examines the theoretical bases of bilingual education curriculum. Emphasis is placed on designing curriculum appropriate to EC-6 bilingual education. Includes evaluation of designed curriculum and application. Three hours of lecture per week.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 456 Dev Span Lang Skills I (3 Credits)****Lecture:** 3, **Lab:** 0

Developing Spanish Language Skills I (3) Develops Spanish language skills needed to teach reading and language arts in a bilingual program. Taught in Spanish. Three hours of lecture per week.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 457 Dev Span Lang Skills II (3 Credits)****Lecture:** 3, **Lab:** 0

Developing Spanish Language Skills II (3) Develops the technical Spanish vocabulary skills needed to communicate concepts in mathematics, social studies, and science. Taught in Spanish. Three hours of lecture per week.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn

EDCI 458 Seminar in Teaching (3 Credits)**Lecture:** 3

Seminar Teaching (3) Focuses on academic language among school personnel: teachers, students, parents, administrators, and others. Three hours of lecture per week.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 460 Foundations of Bilingual Ed (3 Credits)****Lecture:** 3

Foundations of Bilingual Education (3) This course outlines the historical perspective of bilingualism and biculturalism. Three hours of lecture per week.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 463 DIR STU TCH SPED (6 Credits)****Lecture:** 30, **Lab:** 0

Directed Student Teaching in Special Education (6) Creates opportunities for observation and student teaching in regular and special class assignments in the area of language/learning disabilities on the elementary or secondary levels. Two hours of lecture and forty hours of laboratory per week.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 464 DIR STU TCH HS (6 Credits)****Lecture:** 30

Directed Student Teaching in High School (6) Creates opportunities for observation and directed teaching by students in an approved secondary school. Two hours of lecture and forty hours of laboratory per week.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 466 Stu Tchg Bilingual Classrooms (6 Credits)****Lecture:** 2, **Lab:** 40

Directed Student Teaching in Bilingual Classrooms (6) Creates opportunities for observation and directed teaching of students in elementary, bilingual, and/or ESL classrooms. Supervision done by bilingual faculty. Two hours of lecture and forty hours of laboratory per week.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 468 DIR STU TCH ALL LEVELS (6 Credits)****Lecture:** 30

Directed Student Teaching - All Levels (6) Creates opportunities for observation and directed teaching at the elementary and secondary levels. Half of the time spent in an elementary school and half of the time spent in a high school setting. Two hours of lecture and forty hours of laboratory per week.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 469 Dir Teaching Elem School (6 Credits)****Lecture:** 2, **Lab:** 40**College/School:** College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 478 Family & Comm Rel In Sch (3 Credits)****Lecture:** 3, **Lab:** 0

Family and Community Relationships in Early Childhood (3) Stresses the social and psychological impact that the family and the community have on the development of children. Also examines implications of cultural diversity, family life styles, and socioeconomic level on the young child. Three hours of lecture per week.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 479 Mgmt Early Childhd Envir (3 Credits)****Lecture:** 3, **Lab:** 0

Management in Early Childhood Environment (3) Emphasizes structuring of indoor and outdoor learning environments that promote positive self image, achievement, and competence. Examines personal health, safety, materials, and resources. Includes group management. Three hours of lecture per week.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 491 Dir Stu Tchng: EC-6 (6 Credits)****Lecture:** 30

Directed Student Teaching in Elementary School and Kindergarten (6) Creates opportunities for observation and directed student teaching at the elementary and kindergarten levels. Half of the time spent in an elementary school and half of the time spent in a kindergarten setting. Two hours of lecture and forty hours of laboratory per week.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 501 The Bil Cur (3 Credits)****Lecture:** 3

THE BILINGUAL CURRICULUM (3) Familiarizes students with new approaches in the bilingual curriculum including technology, national/state standards, EC-12.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 502 Cult Fnd of Bil ED (3 Credits)****Lecture:** 3

CULTURAL FOUNDATIONS OF BILINGUAL EDUCATION (3) Familiarizes students with the impact of culture on education and with methodology for teaching in a bilingual classroom, EC- 12.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 510 Prin & Fnd of ED (3 Credits)****Lecture:** 3

PRINCIPLES AND FOUNDATION OF EDUCATION (3) Studies the sociological, economic, philosophical and historical foundations of American education. (Must be taken concurrently with EDCI 527).

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 520 Curr Dev Early Childhood Ed (3 Credits)****Lecture:** 3, **Lab:** 0

CURRICULUM DEVELOPMENT IN EARLY CHILDHOOD (3) Examines the theoretical bases of curriculum. Emphasis on designing curriculum appropriate for early childhood. Also includes practical application and evaluation of designed curriculum.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn

EDCI 521 Creativity In Child Dev (3 Credits)**Lecture:** 2, **Lab:** 1

CREATIVITY IN CHILD DEVELOPMENT (3) Explores the nature of creativity, the role of teacher and creative environments. Studies the relationship of creativity to curricula areas: designing and implementation of creative activities.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 524 Home Com Partnsp Dev Of Child (3 Credits)****Lecture:** 2, **Lab:** 1

HOME/COMMUNITY DEVELOPMENT OF THE CHILD (3) Analyzes the relationship among the home, school, and community for optimum child development. Develops faculty in working with parents as members of the learning community.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 525 Field Experience Practicum (3 Credits)****Lecture:** 0, **Lab:** 0

FIELD EXPERIENCE PRACTICUM IN EARLY CHILDHOOD (3) Constructs practical experiences in working with young children 3-5 years old. In-depth observation and work with children in each domain. (Prerequisite: Instructor's consent)

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 527 Advanced Fld Exp Prac ECH (3 Credits)****Lecture:** 3, **Lab:** 0

PSYCHOLOGY OF LEARNING, GROWTH AND DEVELOPMENT (3) Provides a foundation in comprehensive classroom management with a special emphasis on creating a positive, productive classroom environment. Attention to research-based management techniques and problem solving for unproductive student behaviors. (Must be taken concurrently with EDCI 510).

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 528 Eval & Assess Early Chlhd (3 Credits)****Lecture:** 3, **Lab:** 0

EVALUATION AND ASSESSMENT IN EARLY CHILDHOOD (3) Presents evaluation and assessment processes used with young children. Analyzes case studies with emphasis on application and remediation.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 531 Classroom Management (3 Credits)****Lecture:** 3, **Lab:** 0

CLASSROOM MANAGEMENT (3) Presents modern techniques for managing the instructional climate with emphasis on student-centered approaches and includes a practicum component.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 539 Assess & clasrm Mgmt (3 Credits)****Lecture:** 3**College/School:** College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 540 Curriculum & Instruction (3 Credits)****Lecture:** 2, **Lab:** 1

CURRICULUM AND INSTRUCTION (3) Analyzes procedures used in the administration and implementation of curriculum programs in public schools.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 544 Dev English Skills (3 Credits)****Lecture:** 3, **Lab:** 0

DEVELOPMENT OF ENGLISH LANGUAGE SKILL (3) Analyzes state-of-the-art techniques used to teach English to speakers of other languages.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 550 Ins Strat (3 Credits)****Lecture:** 3

EFFECTIVE INSTRUCTIONAL STRATEGIES (3) Focuses on the study of instructional methods that emphasize practical application to the teaching/ learning process. Some of these strategies include planning, resource selection, evaluation and communication.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 551 Multicultural Education (3 Credits)****Lecture:** 2, **Lab:** 1

MULTICULTURAL EDUCATION (3) Shaped by the Texas Examinations of Educator Standards (TExES), this course builds a knowledge base for education that is culturally responsive. It focuses on school policies and practices that promote equity in achievement especially in urban school communities.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 571 Tchg Social Stud Elem Sch (3 Credits)****Lecture:** 2, **Lab:** 1

TEACHING SOCIAL STUDIES IN THE ELEMENTARY SCHOOL (3) Outlines recent trends in the organization and content of the integrated social studies curriculum.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 577 Language Study Elementary Sch (3 Credits)****Lecture:** 2, **Lab:** 1

LANGUAGE STUDIES IN ELEMENTARY SCHOOLS (3) Theories and practices in integrated language, teaching, and learning in elementary classrooms.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 583 Tech Indiv Instruc (3 Credits)****Lecture:** 3, **Lab:** 0

TECHNIQUES OF INDIVIDUALIZED INSTRUCTION (3) Presents a research-based individualized instruction knowledge-base that emphasizes (a) competency-based education, (b) standards-based education, (c) differentiated instruction and (d) Universal Design for Learning (UDL).

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 606 Lin Fnd of Bil ED (3 Credits)****Lecture:** 3

LINGUISTIC FOUNDATION OF BILINGUAL EDUCATION (3) Familiarizes students with foundations of bilingual education in the United States with an emphasis on linguistic aspects of teaching.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn

EDCI 633 Research (3 Credits)**Lecture:** 3

RESEARCH (3) Studies educational research from a comprehensive perspective. Included are techniques and concepts of social and behavioral research; writing in the APA format; ethical standards governing educational research; experiences in the use of internal and external critique methods. (Prerequisites: Three semester credit hours of statistics)

Prerequisite(s): EPSY 831**College/School:** College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 639 Science in Elementary School (3 Credits)****Lecture:** 2, **Lab:** 1

SCIENCE IN ELEMENTARY SCHOOL (3) Presents a study of the science curriculum and the methods of teaching integrated science in the elementary school.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 644 Tch Cont Areas in Span:Rgd/La (3 Credits)****Lecture:** 3

TEACHING CONTENT AREAS IN SPANISH (3) Provides comprehensive knowledge of content area instruction in Spanish reading/language arts.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 700 Instructional Design and Technology (3 Credits)****Lecture:** 3, **Lab:** 0

This course will introduce the field of instructional design and technology and its impact on teaching and learning. Student will develop complete instruction followed by instructional design and technological model. This course will be the study and application of innovative instructional design and technology. Three credit hours per week.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 701 App Lin for Bil Clsrm (3 Credits)****Lecture:** 3, **Lab:** 0

APPLIED LINGUISTICS (3) Introduces linguistic concepts and contrastive analysis and their applications to practical linguistic situations.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 702 Intregating Technology Into the Curriculum (3 Credits)****Lecture:** 3, **Lab:** 0

This course will focus on the practical integration of technology into the elementary and secondary curriculum. Student will learn how to integrate various technology tools into teaching and learning practices. Appropriate uses of technology and software will be examined and developed. Three credit hours per week.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 703 Multimedia for the Classroom (3 Credits)****Lecture:** 3, **Lab:** 0

This class will focus on the classroom application of digital graphics, animation, multimedia, audio, video, and web 2.0. Students will create various multimedia project that can be directly used for teaching and learning. Three credit hours per week.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 727 Independent Study & Research (3-6 Credits)****Lecture:** 0, **Lab:** 0

INDEPENDENT STUDY AND RESEARCH (3) Focuses on creating opportunities for students to pursue actively research problems in curriculum and instruction of personal interest or to complete course requirements.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 732 Prim/Mid Sch Read Inst (3 Credits)****Lecture:** 3, **Lab:** 0

PRIMARY/MIDDLE SCHOOL READING INSTRUCTION (3) Provides opportunities to study instructional methods, laboratory methods, and student-planned learning exercises and materials for improving the teaching of reading in the primary and middle schools.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 733 Design and Development of Online Educational Resources (3 Credits)****Lecture:** 3

Students will design and develop educational resources for online learning environment and examines the application tools, resources, and strategies to support, deliver, and enhance online learning tools. Students will actively engage in online activities as they identify and plan online learning resources. Three credit hours per week.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 734 Instructional Design (3 Credits)****Lecture:** 3

INSTRUCTIONAL DESIGN (3) Introduces the theoretical, experiential, and critical components of the instructional design process. Students will explore the primary methods of computer-based instruction and the major components of instructional development.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 735 Courseware & Presentation Tool (3 Credits)****Lecture:** 3

COURSEWARE and PRESENTATION TOOLS (3) Presents students with an overview of a range of software applications with which they can develop educational and instructional materials.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 736 Design of Web Graphics (3 Credits)****Lecture:** 3

DESIGN OF WEB GRAPHICS (3) Enhances students' ability to conceptualize and develop visually-rich and appropriate materials for online environments that support and enhance active teaching and learning.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 737 Distance Learning & Teaching (3 Credits)****Lecture:** 3

DISTANCE LEARNING and TEACHING (3) Examines the application of tools, resources, and strategies to support, deliver, and enhance technology-supported curriculum. Students actively engage in online activities as they identify and plan a curriculum.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn

EDCI 738 Ed Use of Digital Video (3 Credits)**Lecture:** 3

EDUCATIONAL USE OF DIGITAL VIDEO (3) Examines the use of analog and digital video in the design and creation of online and computer-based instructional materials.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 739 Educational Use of Digital Video (3 Credits)****Lecture:** 3

This course will examines the use of analog digital video in the design and creation of online and computer-based instructional materials. Students will develop various educational videos that can be integrated into teaching-and learning. Three credit hours per week.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 744 Tcgh in Span: Soc Std, Math,Sc (3 Credits)****Lecture:** 3**College/School:** College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 773 Recent Res Tchg Hs Subjects (3 Credits)****Lecture:** 3, **Lab:** 0

RECENT RESEARCH IN TEACHING HIGH SCHOOL SUBJECTS (3) Presents a review of research in secondary school teaching. Provides study of unit plans, laboratory methods, and studentplanned learning exercises.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 832 Educ Statistics & Technology (3 Credits)****Lecture:** 3, **Lab:** 1

EDUCATIONAL STATISTICAL AND INSTRUCTIONAL TECHNOLOGY (3) Introduces state-of-the-art instructional technology and statistical applications.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 833 Technology Teacher Education (3 Credits)****Lecture:** 3

This course will focus on how to faciliate and inspire student learning with use of technology and take a constructive approach to understanding instructional and technology and teacher educations. Three creidit hours perweek.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 844 Lan Acquisition & Dev (3 Credits)****Lecture:** 3, **Lab:** 0

LANGUAGE ACQUISITION AND CULTURE (3) Analyzes studies of first and second language acquisition theories. Analyzes cultural, cognitive, linguistic, and developmental factors that affect the acquisition of a second language.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 877 Content Read/Study Skills (3 Credits)****Lecture:** 3, **Lab:** 0

CONTENT READING/STUDY SKILLS (3) Prepares participants, in a reading clinic setting, to work with students to develop reading skills appropriate to their maturity, develop therapeutic techniques for retarded readers, and master skills to organize a developmental reading program.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 900 Urban Research Planning (3 Credits)****Lecture:** 3, **Lab:** 0

URBAN RESEARCH, PLANNING (3) Provides student opportunities to direct personal learning experiences in urban environments and to create common essential knowledge about positive changes for urbanschools.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 901 Res Plng and Dev in Urban Ed (3 Credits)****Lecture:** 3

RESEARCH, PLANNING AND DEVELOPMENT IN URBAN EDUCATION (3) Stresses signifiStresses significant sociological, psychological, philosophical and educational theories related to improving current educational practice.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 915 Diversity Education (3 Credits)****Lecture:** 3

DIVERSITY EDUCATION (3) Examines philosophies, policies and practices of diversity and how these can be implemented to promote equity and excellence in schools and other entities in a multiethnic society.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 917 Computer Competency (3 Credits)**

COMPUTER COMPETENCY (3) Provides opportunities for students to demonstrate knowledge of basic computer concepts and E-mail, Netscape and the World Wide Web, Library Research, Word Processing, Spread Sheet, and Power Point skills.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 918 Technology INTregratons into Doctoral Dissertation (3 Credits)****Lecture:** 3

Integrate current technology into doctoral dissertation writing. APA style, dissertation structure and chapter guide, page format, educational research, research methodology,research proposal, online survey and datat collection, and online VITA development. Three credit hours per week.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 920 Curr Res Dev In Urban Schools (3 Credits)****Lecture:** 3, **Lab:** 0

CURRICULUM RESEARCH AND DEVELOPMENT IN URBAN SCHOOL (3) Presents a review of current research related to curricula development for special urban populations. Emphasis is given to research that provides a theoretical base for curriculum development.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 921 Adv Curr Dev (3 Credits)****Lecture:** 3, **Lab:** 0

ADVANCED CURRICULUM DEVELOPMENT (3) Focuses on the scope and sequence of school curricula, correlation of school study, in-service education for instructional staff, and utilizing the community in curriculum development.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn

EDCI 927 Independent Study and Research (3-12 Credits)**Lecture:** 3-12

INDEPENDENT STUDY AND RESEARCH (3) Creates opportunities for doctoral students' active engagement in research problems of personal interest.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 930 Curr. Dev. In Urban Sch. (3 Credits)****Lecture:** 3, **Lab:** 0

CURRICULUM DEVELOPMENT IN URBAN SCHOOLS (3) Focuses on the comprehensive curriculum development process and emphasizes the critical factors in the urban environment that should shape curricula.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 931 Classroom Management (3 Credits)****Lecture:** 3

CLASSROOM MANAGEMENT (3) Presents an analysis of modern techniques for managing the instructional environment with emphases on student-centered and pro-active approaches to preventing classroom and school-wide disruptions.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 932 Urban Tchg Strategies (3 Credits)****Lecture:** 3, **Lab:** 0

URBAN TEACHING STRATEGIES (3) Provides students the opportunity to develop and test a variety of teaching strategies which may be particularly effective and appropriate for the urban learner.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 935 Dev & Mgmt Sch Cur (3 Credits)**

CURRICULUM DEVELOPMENT AND MANAGEMENT OF SCHOOL CURRICULUM (3) Focuses on skills needed to apply curriculum design theory to practice in managing learning environments in diverse educational settings.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 938 Techniques of Curr Evaluation (3 Credits)****Lecture:** 3, **Lab:** 0

TECHNIQUES OF CURRICULUM EVALUATION (3) Presents modern techniques of evaluating school curricula. Specific emphasis on specifying entry criteria and on formative discrepancy, and summative evaluation techniques

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 939 Models Of Teaching (3 Credits)****Lecture:** 3, **Lab:** 0

MODELS OF TEACHING (3) Presents a survey of modern instructional models of teaching with emphasis on information processing, personal, social, and behavior approaches

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 940 Advanced Curr and Instruction (3 Credits)****Lecture:** 3

ADVANCED CURRICULUM AND INSTRUCTION (3) Focuses on the scope and sequence of developing a school curriculum, correlation of school studies, staff development for instructional staff, and utilizing the community for curriculum development

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 941 Exp Cur Dev & Inst Strat (3 Credits)**

THE ANATOMY OF THE DOCTORAL DISSERTATION (3) Provides a basic step-by-step process for conceiving, developing and writing a dissertation and supports the process with related software. Includes models of outstanding dissertations.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 942 Cont Prog Prgms & Inst Tech (3 Credits)****Lecture:** 3, **Lab:** 0

DIVERSITY EDUCATION (3) Examines philosophies, policies and practices of diversity and how these can be implemented to promote equity and excellence in schools and other entities in a multiethnic society.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 944 Curriculum Theory (3 Credits)****Lecture:** 3, **Lab:** 0

CURRICULUM THEORY (3) Presents a survey of modern curriculum theories with emphasis on the various philosophies, techniques and sources for determining needs for the total curriculum development process

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 950 Crnt Trnds in Effec Tch & Lrn (3 Credits)****Lecture:** 3

CURRENT TRENDS IN EFFECTIVE TEACHING AND LEARNING (3) Presents current theories relative to the systemic approach to curriculum development. Emphasis on deductive and inductive approaches to systemic curriculum development

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 960 Current Trends in Eff Tchg Pra (3 Credits)****Lecture:** 3, **Lab:** 0

CURRENT TRENDS IN EFFECTIVE TEACHING PRACTICES (3) Presents current trends on effective teaching practices. Emphases on interactive instruction, technological teaching approaches, cooperative learning, time on task, appropriate feedback, instructional rewards and consequences, and instructional and behavioral expectations.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 983 Prep Educators For Urban Schs (3 Credits)****Lecture:** 3, **Lab:** 0

PREPARING EDUCATORS FOR URBAN SCHOOLS (3) Explores alternate methods of teacher preparation specifically for urban areas. Topics to be considered: Learner in Urban Settings, Curricula Adoptions, Union Contracts, and School Community Relations.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 985 Tech for Individualized Inst (3 Credits)****Lecture:** 3, **Lab:** 0

TECHNIQUES FOR INDIVIDUALIZED INSTRUCTION (3) Presents a systemic approach to designing curricula appropriate for advanced graduate students. The course focuses on the development of theoretical frameworks for continuous progress philosophies, missions, goals, objectives, activities, organization designs and evaluation.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn

EDCI 995 Practicum In Urban Ed (3 Credits)**Lecture:** 3, **Lab:** 0

PRACTICUM IN URBAN EDUCATION (3) Creates opportunities to apply Urban Education theory to urban/inner city problems that impact the education of children and young adults. Urban/inner city schools and other agencies will be used for this practical experience.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 996 Ed & The Urban Dilemma (3 Credits)****Lecture:** 3, **Lab:** 0

EDUCATION AND THE URBAN DILEMMA (3) Focuses on the educational systems in the city with particular emphasis on the racial, economic, and political dilemmas of schools in the inner-city.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 997 Anatomy of the Dissertation (3 Credits)**

THE ANATOMY OF THE DOCTORAL DISSERTATION (3) Provides a basic step-by-step process for conceiving, developing and writing a dissertation and supports the process with related software. Includes models of outstanding dissertations

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 998 Practicum in Curr & Instruct (3 Credits)****Lecture:** 3

PRACTICUM IN CURRICULUM AND INSTRUCTION (3) Creates opportunities to apply curriculum and instruction theory and practice to problems and conditions that impact urban, lower-income students and young adults. Inner-city schools/ communities, district administrative offices and cooperate sectors will be used for this practical experience

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 999 Dissertation (3-12 Credits)****Lecture:** 12, **Lab:** 0

DISSERTATION (3-12) Engages students in an intensive study of a selected and approved topic. (Total: 12 credit hours)

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**EDCI 2310 Ins Tec (3 Credits)****Lecture:** 3

Provides practice using computers for instruction, evaluation, and management. Analyzes the tenets of professional conduct, ethics, roles, and responsibilities for teaching with computer technology.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn

Education Foundations (EDFD)

EDFD 576 His Black Ed In America (3 Credits)**Lecture:** 3, **Lab:** 0

African-American Education (3) Traces the education of black people in America from their arrival from Africa to the present.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDFD 581 Foundations Of Education (3 Credits)****Lecture:** 3, **Lab:** 0

Foundations of Education (3) Deals with the sociological, economic, philosophical and historical foundations of American education. Reports and research papers provide opportunities for individual exploration of special interests.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDFD 632 Ed Stat (3 Credits)****Lecture:** 3**College/School:** College Of Education**Department:** Dept of EducAdmin/Found**EDFD 633 Research (3 Credits)****Lecture:** 3, **Lab:** 0**Prerequisite(s):** EPSY 831**College/School:** College Of Education**Department:** Dept of EducAdmin/Found**EDFD 856 Restorative Discipline (3 Credits)****Lecture:** 3

This course provides an introduction and expousure to the principles of restorative dicipline and its application to the treatment of students for "breaking classroom and school rules." The framework of the course is, in part, based on social work values and the ethical decison-making process. 3 credit hours per week.

College/School: College Of Education**Department:** (Delete) Educ Administration**EDFD 902 Theoretical Fdtns Of Ed (3 Credits)****Lecture:** 3, **Lab:** 0

THEORETICAL FOUNDATIONS OF EDUCATION (3) This course is designed to review significant historical, philosophical, sociological, psychological foundations and education theories related to improving current educational practice.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDFD 903 Nature Methodology Ed Res (3 Credits)****Lecture:** 3, **Lab:** 0

THE NATURE AND METHODOLOGY OF EDUCATIONAL RESEARCH (3) Major methods of conducting educational research and types of problems wherein they apply. Studies that may serve as models for research efforts; research reporting.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDFD 905 Nature Meth Ed Res (3 Credits)****Lecture:** 3, **Lab:** 0

THE NATURE AND METHODOLOGY OF EDUCATIONAL RESEARCH (3) A continuation of EDFD 903.

Prerequisite(s): (EDFD 903)**College/School:** College Of Education**Department:** Dept of EducAdmin/Found**EDFD 931 Ed Res Corr Stat Methods (3 Credits)****Lecture:** 3, **Lab:** 0

EDUCATIONAL RESEARCH: CORRELATION STATISTICAL METHODS (3) Brief review of elementary statistics, normal curve functions, correlation theory and application to educational data. Concepts and computations associated with bivariate, partial, and multiple correlations. (Prerequisite: EDFD 831 or instructor's permission)

Prerequisite(s): (EDFD 831)**College/School:** College Of Education**Department:** Dept of EducAdmin/Found

EDFD 932 Ed Res Sig Tests Stat Methods (3 Credits)**Lecture:** 3, **Lab:** 0

EDUCATIONAL RESEARCH: SIGNIFICANCE TESTS AND STATISTICAL METHODS FOR EXPERIMENTAL DESIGN (3) Probability theory and theoretical distributions in experimental design; binomial, normal curve, T ratio. Concepts and computation associated with research, including t-tests, simple and complex analysis of variance. (Prerequisite: EDFD 931)

Prerequisite(s): (EDFD 931)**College/School:** College Of Education**Department:** Dept of EducAdmin/Found**EDFD 940 SPSS & Data Management (3,6 Credits)****Lecture:** 3,6, **Lab:** 0

This course is designed to provided an introduction to Statistical Package for the Social Sciences (SPSS). It will address a variety of statistical variables, entering of data into SPSS, and the carrying out of statistical analyses.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDFD 980 Hist Of Ed In U S (3 Credits)****Lecture:** 3, **Lab:** 0

HISTORY OF EDUCATION IN THE UNITED STATES (3) This course focuses on the historical development of the educational systems in the United States. Concepts and theories which have shaped the nation's schools form the basis of the course.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDFD 997 Research Seminar (3 Credits)****Lecture:** 3, **Lab:** 0

RESEARCH SEMINAR (3) Intensive study to design applicable research problems in education. Study of problems related to proposed dissertation research. May be repeated. (Prerequisite: EDFD 931, 932 or permission of advisor and instructor)

Prerequisite(s): EDFD 903 and EDFD 905**College/School:** College Of Education**Department:** Dept of EducAdmin/Found

Educational Psychology (EPSY)

EPSY 831 Educ Statistics (3 Credits)**Lecture:** 3, **Lab:** 0

EDUCATION STATISTICS (3) Basic introduction to descriptive and beginning inferential statistical techniques. Consideration given to the handling of statistical data with view toward developing an ability to understand the research literature.

College/School: College Of Education**Department:** Dept of EducAdmin/Found

English (ENG)

ENG 501 Grad Prof Writing (3 Credits)**Lecture:** 3, **Lab:** 0

WRITING GRADUATE (3) A course for students who have not achieved writing proficiencies appropriate for graduate work, including the master's thesis and doctoral dissertation (Prerequisite: graduate standing)

College/School: Liberal Arts & Behavioral Scie**Department:** Department of English**ENG 502 Cornerstone Survey (3 Credits)****Lecture:** 3, **Lab:** 0

CORNERSTONE SEMINAR (3) An intense and comprehensive period-based survey of Western literature from the ancient through the modern and postmodern (Prerequisite: graduate standing)

College/School: Liberal Arts & Behavioral Scie**Department:** Department of English**ENG 529 Studies in Lit Bio and Nonfict (3 Credits)****Lecture:** 3

STUDIES IN LITERARY BIOGRAPHY AND NONFICTION (3) A study of the relationship of author and text in works of notable British and American writers (Prerequisite: graduate standing)

College/School: Liberal Arts & Behavioral Scie**Department:** Department of English**ENG 530 African American Fiction (3 Credits)****Lecture:** 3

AFRICAN AMERICAN FICTION (3) An examination of the literary presentation of the passage from slavery to free personhood in selected texts of African American fiction, with a special concentration on rhetorical structure (Prerequisite: graduate standing)

College/School: Liberal Arts & Behavioral Scie**Department:** Department of English**ENG 532 Afr & Afr Diaspora Literature (3 Credits)****Lecture:** 3, **Lab:** 0

AFRICAN AND AFRICAN DIASPORA LITERATURE (3) A study of selected poetry, fiction, and drama of Africa and the African Diaspora (Prerequisite: graduate standing)

College/School: Liberal Arts & Behavioral Scie**Department:** Department of English**ENG 533 Methods Of Research (3 Credits)****Lecture:** 3, **Lab:** 0

METHODS OF RESEARCH (3) An introduction to techniques of independent graduate study, with emphasis on bibliographical studies and textual criticism (Prerequisite: graduate standing)

College/School: Liberal Arts & Behavioral Scie**Department:** Department of English**ENG 534 Black Southern Writers (3 Credits)****Lecture:** 3

In this course, students will examine the rhetorical strategies circumstances most prominently in the southern literary tradition. Students will investigate the historical circumstances (including slavery, Reconstructions, etc.) that have shaped—and been shaped by—southern literature. Topics to be addressed in this course include canon formation, negotiations between fiction and history, etc.

College/School: Liberal Arts & Behavioral Scie**Department:** Department of English**ENG 536 Seminar in Advan Tech Writing (3 Credits)****Lecture:** 3

SEMINAR IN ADVANCED TECHNICAL WRITING (3) The second of two technical writing courses that offer focused instruction on writing skills appropriate to the technical demands of the modern workplace such as business, science, and government (Prerequisites: ENG 412 and the consent of both the department chair and the instructor)

College/School: Liberal Arts & Behavioral Scie**Department:** Department of English

ENG 629 Seminar in American Literature (3 Credits)**Lecture:** 3

SEMINAR IN AMERICAN LITERATURE (3) A special topics course focusing on American poetry, drama, and fiction. (Prerequisite: graduate standing)

College/School: Liberal Arts & Behavioral Scie**Department:** Department of English**ENG 638 Survey of Lit Theory (3 Credits)****Lecture:** 3, **Lab:** 0

SURVEY OF LITERARY THEORY (3) An historical survey of theories of literary criticism from Aristotle to the present (Prerequisite: graduate standing)

College/School: Liberal Arts & Behavioral Scie**Department:** Department of English**ENG 640 Chaucer Shakespeare and Milton (3 Credits)****Lecture:** 3

SEMINAR IN CHAUCER, SHAKESPEARE AND MILTON (3) An intense study of major works of Chaucer, Shakespeare, and Milton (Prerequisite: graduate standing)

College/School: Liberal Arts & Behavioral Scie**Department:** Department of English**ENG 641 Seminar Creative Non-Fiction (3 Credits)****Lecture:** 3

SEMINAR IN CREATIVE NONFICTION (3) A study of techniques of creative non-fiction prose, both as a genre and in historical context (Prerequisite: graduate standing)

College/School: Liberal Arts & Behavioral Scie**Department:** Department of English**ENG 732 American Novel (3 Credits)****Lecture:** 3

THE AMERICAN NOVEL (3) A study of selected American novelists in conjunction with modern critical theories (Prerequisite: completion of all required core courses)

College/School: Liberal Arts & Behavioral Scie**Department:** Department of English**ENG 734 Seminar in Modern Poetry (3 Credits)****Lecture:** 3, **Lab:** 0

SEMINAR IN MODERN POETRY (3) An examination of the primary trends in modern poetry, devoting attention to the masterpieces in the canon and engaging students in a systematic study of the techniques and philosophical tendencies in these works (Prerequisite: completion of all required core courses)

College/School: Liberal Arts & Behavioral Scie**Department:** Department of English**ENG 735 The British Novel (3 Credits)****Lecture:** 3, **Lab:** 0

THE BRITISH NOVEL (3) An intensive survey of the British novel from Defoe through the authors of contemporary British fiction (Prerequisite: completion of all required core courses)

College/School: Liberal Arts & Behavioral Scie**Department:** Department of English**ENG 736 Studies British Liter to 1900 (3 Credits)****Lecture:** 3, **Lab:** 0

STUDIES IN BRITISH LITERATURE TO 1900 (3) A study of British poetry, drama, and prose from Shakespeare to the era of modernism (Prerequisite: completion of all required core courses)

College/School: Liberal Arts & Behavioral Scie**Department:** Department of English**ENG 794 Utopia Dystopia (3 Credits)****Lecture:** 3

This proposed course will engage students with utopian and dystopian literature from the ancient periods to the 21st century. Students will discover the pros and cons of past societies described in various literatures. Students will then be able to evaluate current social trends against a literary backdrop of social formation's..

College/School: Liberal Arts & Behavioral Scie**Department:** Department of English**ENG 835 Directed Reading and Research (3 Credits)****Lecture:** 3, **Lab:** 0

DIRECTED READING AND RESEARCH (6) An individualized course for students wishing to work with a specific professor in a well-defined area of scholarship (Prerequisite: completion of all required core courses and the consent of both the department chair and the instructor)

College/School: Liberal Arts & Behavioral Scie**Department:** Department of English**ENG 837 Thesis In Progress (3 Credits)****Lecture:** 0, **Lab:** 0

THESIS IN PROGRESS (6) The writing of the thesis under the supervision of a thesis advisor from the graduate faculty of the Department of English (Prerequisite: All preceding requirements for the Master of Arts in English)

College/School: Liberal Arts & Behavioral Scie**Department:** Department of English

Entertainment Record Indus Mgmt (ERM)

ERM 510 Rec Indus Mgmt & Futur Sprt En (3 Credits)**Lecture:** 3, **Lab:** 0

This course allows students to analyze the emergence and significance of internet blogs, social media, convergence of sports and entertainment associated with journalism, video games, and fantasy sports; economic, regulatory, music, recording industry and cultural forces that shape sports and entertainment. 3 hours per week.

College/School: School of Communication**Department:** Dept of Radio, TV and Film**ERM 805 Curr Trends InnSprt & Ent Mgmt (3 Credits)****Lecture:** 3, **Lab:** 0

This course explores the current trends in sports and entertainment and their impact on other industries and sectors. Students will explore the dynamics associated with building winning traditions in sports and developing the entertainment enterprise via technology and harnessing the dynamics between fan and franchise through a continuous innovation mindset. 3 hours per week

College/School: School of Communication**Department:** Dept of Radio, TV and Film**ERM 810 Sprts & Entertain Event Produ (3 Credits)****Lecture:** 3, **Lab:** 0

This course will explore digital, radio and TV technologies to produce content for various platforms. It explores the potential future impacts of new, emerging, and rapidly evolving technologies on organizations and the industry. Students will review concepts and analyze what constitutes the production and event management of global sports and entertainment in the media enterprise. 3 hours per week

College/School: School of Communication**Department:** Dept of Radio, TV and Film

ERM 905 Sprt Comm & Enter Mgmt Seminar (3 Credits)**Lecture:** 3, **Lab:** 0

This course allows students to explore the insights that foster professional growth and development as a college instructor. This course examines the scholarship of teaching sports communication and entertainment management and developing optimal learning environments and the analyzing critical issues in sports communication and entertainment management education. 3 hours per week

College/School: School of Communication**Department:** Dept of Radio, TV and Film**ERM 910 Sprt Ent & Modern Cult Seminar (3 Credits)****Lecture:** 3, **Lab:** 0

This course critically engages popular culture and its intersection with sports and entertainment. This course explores cultural values and a produce of cultural meaning in its association with sports and entertainment. Students will have the opportunity to identify important economic, political, and social texts in popular culture. 3 hours per week

College/School: School of Communication**Department:** Dept of Radio, TV and Film

Environmental Science (ES)

ES 701 Principles of Toxicology (3 Credits)**Lecture:** 3

This course presents the fundamental and basic concepts of toxicology, including dose-response relationships, pathogenesis of toxic exposures, metabolism of toxicants, toxic kinetics, activation and detoxification mechanisms, biologic and chemical factors that influence toxicity, mechanisms of carcinogenesis and mutagenesis target organ toxicology, the principles of testing for toxic effects, epidemiology and concepts of risk assessment.

College/School: Col of Science, Engr & Tech**Department:** Dept Environmental Toxio**ES 702 Environmental Toxicology I (3 Credits)****Lecture:** 3, **Lab:** 0

This course presents topics illustrating toxic chemicals, their occurrence, structure, and the reactions underlying detection, toxicity, fate, and ecological importance.

College/School: Col of Science, Engr & Tech**Department:** Dept Environmental Toxio**ES 703 Environmental Science (3 Credits)****Lecture:** 3

This course will provide students with the scientific principles, concepts, and methodologies required to understand and identify environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them.

College/School: Col of Science, Engr & Tech**Department:** Dept Environmental Toxio**ES 704 Aquatic Resources & Pollution (3 Credits)****Lecture:** 3

This course presents a survey of global aquatic systems and resources and the impacts of mankind on these resources. Topics include impacts of chemicals on aquatic ecosystems and man's utilization of marine resources. Scientific method applied to the processes. Biota and history of the aquatic systems and major scientific breakthroughs will be explored.

College/School: Col of Science, Engr & Tech**Department:** Dept Environmental Toxio**ES 705 Environmental Policy & MGMT (3 Credits)****Lecture:** 3

This course presents an examination of selected topics in the formulation and implementation of environmental policy with a principal emphasis on conceptual and methodological issues. Examination of recent research and practice in the evaluation of environmentally related policies, programs, and plans will be reviewed.

College/School: Col of Science, Engr & Tech**Department:** Dept Environmental Toxio**ES 707 Ground Water Contamination (3 Credits)****Lecture:** 3, **Lab:** 0

The emphasis of this course will be on acquiring extensive working knowledge of the concepts, principles and professional practices underlying groundwater pollution, hydrology and remediation.

College/School: Col of Science, Engr & Tech**Department:** Dept Environmental Toxio**ES 711 Air Pollution (3 Credits)****Lecture:** 3

This course is designed to study the influence of man-caused pollution on the atmosphere and its effect on human health and economy. Techniques for the measurement of atmosphere pollutant concentrations and determination of local and regional air quality will also be covered. Detailed presentation of air pollution sources and methods for their control will be covered. The role of local, state and federal government in air pollution control will be reviewed.

College/School: Col of Science, Engr & Tech**Department:** Dept Environmental Toxio**ES 718 Special Topics Environ Tox (3 Credits)****Lecture:** 3

Special topics will be assigned and discussed in relation to new findings and trends in environmental toxicological study and research. (Prerequisite: Consent of the professor)

College/School: Col of Science, Engr & Tech**Department:** Dept Environmental Toxio**ES 720 GIS for Environmental Sciences (3 Credits)****Lecture:** 2, **Lab:** 1

Geographical Information Systems for environmental sciences is an introductory course to the concepts and use of geospatial (GIS and GPS) technology. It involves introducing the hardware and software component of the GIS and review of GIS applications for the field of environmental study. 2 credit hours lecture and 1 credit hour lab.

College/School: College Of Pharmacy/Hlth Sci.**Department:** Dept Environmental Toxio**ES 724 Research Problems (1-6 Credits)****Lecture:** 1-6, **Lab:** 0

This course provides supervised student research on approved problems suitable for the preparation of a thesis.

College/School: Col of Science, Engr & Tech**Department:** Dept Environmental Toxio**ES 730 Introduction to Remote Sensing Image Processing (3 Credits)****Lecture:** 2, **Lab:** 1

Introduction to remote sensing and image processing is designed to introduce and explore the basic applications of remotely sensed data in the evaluation of environmental problems. The course includes the theories and principles of remote sensing, types of sensors, identification and mapping the materials. 3 credit hours, 2 lecture and 1 lab.

College/School: Col of Science, Engr & Tech**Department:** Dept Environmental Toxio

ES 901 Environmental Toxicology (3 Credits)**Lecture:** 3, **Lab:** 0

ENVIRONMENTAL TOXICOLOGY (3) Topics illustrating toxic chemicals, their occurrence, structure, and the reactions underlying detection, toxicity, fate, and ecological importance.

College/School: Col of Science, Engr & Tech**Department:** Dept Environmental Toxio**ES 902 Environmental Toxicology II (3 Credits)****Lecture:** 3

This course presents biochemical and physiological mechanisms underlying toxicity and detoxification. (Prerequisite: ES 702)

College/School: Col of Science, Engr & Tech**Department:** Dept Environmental Toxio**ES 903 General Ecology (3 Credits)****Lecture:** 3

GENERAL ECOLOGY (3) Ecological principles of biological systems, emphasizing populations and ecosystems. Principles of growth, regulation, distribution, structure, energetics, and mineral cycles related to the evolution of biological systems and applications to selected human ecological problems. Field trips required.

College/School: Col of Science, Engr & Tech**Department:** Dept Environmental Toxio**ES 904 The Oceans (3 Credits)****Lecture:** 3

THE OCEANS (3) Introductory survey of the marine environment. Oceanic physical-phenomena, chemical constituents geological history, and the sea's biota: Man's utilization of marine resources. Scientific method applied to the processes. Biota and history of the oceans and major scientific breakthroughs explored.

College/School: Col of Science, Engr & Tech**Department:** Dept Environmental Toxio**ES 905 Environmental Policy & Mgmt. (3 Credits)****Lecture:** 3, **Lab:** 0

ENVIRONMENTAL POLICY & MANAGEMENT (3) An examination of selected topics in the formulation and implementation of environmental policy, with a principal emphasis on conceptual and methodological issues. Examination of recent research and practice in the evaluation of environmentally related policies, programs, and plans.

College/School: Col of Science, Engr & Tech**Department:** Dept Environmental Toxio**ES 906 Environmental Geology (3 Credits)****Lecture:** 3

This course presents a study of the influence of geologic processes and hazards on human activities. Emphasis will be placed upon topics of interest to students in environmental science and toxicology.

College/School: Col of Science, Engr & Tech**Department:** Dept Environmental Toxio**ES 907 Limnology (3 Credits)****Lecture:** 3**College/School:** Col of Science, Engr & Tech**Department:** Dept Environmental Toxio**ES 908 Sample Analysis (3 Credits)****Lecture:** 3

This course presents the principles of the microanalysis of toxicants. The course addresses theoretical microanalysis of toxicants, separation, detection, and quantitative determination of toxicants using chemical and instrumental methods. (Prerequisite: CHEM 332 Analytical Chemistry and consent of instructor)

Prerequisite(s): (CHEM 332)**College/School:** Col of Science, Engr & Tech**Department:** Dept Environmental Toxio**ES 909 Sample Analysis Laboratory (3 Credits)****Lecture:** 0, **Lab:** 9

This course presents laboratory techniques for microanalysis of toxicants. The course addresses separation, detection, and quantitative determination of toxicants using chemical and instrumental methods. (Prerequisite: ES 908 [may be taken concurrently] or by consent of instructor)

Prerequisite(s): (ES 908)**College/School:** Col of Science, Engr & Tech**Department:** Dept Environmental Toxio**ES 910 Reproductive Toxicology (3 Credits)****Lecture:** 3

This course introduces students into the field of reproductive toxicology. Specific topics include exposure to chemicals during pregnancy, the teratology of chemical exposure, folic acid and the classical and the environmental estrogen saga. Special attention is given to the interpretation of animal reproductive toxicity studies which form the basis for human risk assessment of chemicals.

College/School: Col of Science, Engr & Tech**Department:** Dept Environmental Toxio**ES 911 Gas Chrom & Mass Spec of Toxic (3 Credits)****Lecture:** 3

GAS CHROMATOGRAPHY & MASS SPECTROMETRY OF TOXIC CHEMICALS (3) Application of GC and MS techniques to investigate toxic chemicals. Mass spectral fragmentation and their application to structural identification and structural elucidation. Practical application of GC/MS in current research. (Prerequisite: CHEM 453 or equivalent)

Prerequisite(s): (CHEM 453)**College/School:** Col of Science, Engr & Tech**Department:** Dept Environmental Toxio**ES 912 Neurotoxicology (3 Credits)****Lecture:** 3

This course presents mechanism of action of a number of different neurotoxins, including marine toxins, insecticides and heavy metals. The course gives examples of ways toxins may act on the nervous system and techniques for the study of neurotoxicology.

College/School: Col of Science, Engr & Tech**Department:** Dept Environmental Toxio**ES 913 Adv Simulation Modeling (3 Credits)****Lecture:** 3

This course presents advanced techniques in simulation modeling, optimization and simulation, dynamic parameter estimation, linear model error propagation, and sensitivity testing; model evaluation in ecological and social systems.

College/School: Col of Science, Engr & Tech**Department:** Department of Chemistry

ES 914 Modeling Laboratory (3 Credits)**Lab:** 3

Students must complete a series of exercises on advanced topics in modeling and a term project based on their graduate research.

College/School: Col of Science, Engr & Tech**Department:** Department of Chemistry**ES 915 Adv Physical Chemistry (3 Credits)****Lecture:** 3, **Lab:** 0

This course presents principles and applications of statistical mechanics; ensemble theory; statistical thermodynamics of gases, solids, liquids, electrolyte solutions, polymers and chemical equilibria. (Prerequisite: Chemistry 432 or equivalent)

Prerequisite(s): (CHEM 432)**College/School:** Col of Science, Engr & Tech**Department:** Dept Environmental Toxio**ES 916 Chemistry of Natural Products (3 Credits)****Lecture:** 3

This course presents advanced treatment of chemistry of naturally occurring compounds isolated from a variety of sources. Topics will include isolation, structure determination, chemical transformations, total synthesis, biological activity, and biosynthesis. (Prerequisite: CHEM 232 or equivalent)

Prerequisite(s): (CHEM 232)**College/School:** Col of Science, Engr & Tech**Department:** Dept Environmental Toxio**ES 917 Bioorganic Chemistry (3 Credits)****Lecture:** 3

BIOORGANIC CHEMISTRY (3) Structured and function of biomolecules; molecular recognition; enzyme reaction mechanisms; design of substrates for I enzymes; enzyme engineering; design of artificial enzymes and application of enzymes in organic synthesis. (Prerequisites: CHEM 232, CHEM 445 or equivalents)

Prerequisite(s): (CHEM 232)**College/School:** Col of Science, Engr & Tech**Department:** Dept Environmental Toxio**ES 918 Special Topics (3 Credits)****Lecture:** 3

SPECIAL TOPICS IN ENVIRONMENTAL TOXICOLOGY (3) Special topics will be assigned and discussed in relation to new findings and trends in environmental toxicological study and research. (Prerequisite: Consent of the professor)

College/School: Col of Science, Engr & Tech**Department:** Department of Chemistry**ES 919 Special Topics (3 Credits)****Lecture:** 3

Special topics will be assigned and discussed in relation to new findings and trends in environmental toxicological study and research. (Prerequisite: Consent of the professor)

College/School: Col of Science, Engr & Tech**Department:** Dept Environmental Toxio**ES 920 Special Topics (3 Credits)****Lecture:** 3

Special topics will be assigned and discussed in relation to new findings and trends in environmental toxicological study and research. (Prerequisite: Consent of the professor)

College/School: Col of Science, Engr & Tech**Department:** Dept Environmental Toxio**ES 921 Sem in Envir Toxicology (2 Credits)****Lecture:** 2

This course discusses pertinent diverse issues related to the field of environmental toxicology based on reports, lectures and field experiences. Attendance and/or viewing with written reports on seminar presentations is required. (Prerequisite: Consent of the professor)

College/School: Col of Science, Engr & Tech**Department:** Dept Environmental Toxio**ES 922 Sem in Envir Toxicology (2 Credits)****Lecture:** 2

This course discusses pertinent diverse issues related to the field of environmental toxicology based on reports, lectures and field experiences. Attendance and/or viewing with written reports on seminar presentations is required. (Prerequisite: Consent of the professor)

College/School: Col of Science, Engr & Tech**Department:** Dept Environmental Toxio**ES 923 Sem in Envir Toxicology (2 Credits)****Lecture:** 2

This course discusses pertinent diverse issues related to the field of environmental toxicology based on reports, lectures and field experiences. Attendance and/or viewing with written reports on seminar presentations is required. (Prerequisite: Consent of the professor)

College/School: Col of Science, Engr & Tech**Department:** Dept Environmental Toxio**ES 924 Research Problems (3,6 Credits)****Lecture:** 6

RESEARCH PROBLEMS - MASTER'S DEGREE STUDENTS (6) Supervised student research on approved problems suitable for the preparation of a thesis.

College/School: Col of Science, Engr & Tech**Department:** Dept Environmental Toxio**ES 925 Research & Dissertation (1-12 Credits)****Lecture:** 1-12

This course provides supervised research and dissertation preparation.

College/School: Col of Science, Engr & Tech**Department:** Dept Environmental Toxio**ES 926 Internship (3-6 Credits)****Lecture:** 6

This course provides supervised research and dissertation preparation.

College/School: Col of Science, Engr & Tech**Department:** Dept Environmental Toxio**ES 927 Biomedical Statistics (3 Credits)****Lecture:** 3

This course will review the practices of research design and data collection and the use of statistics for data interpretation with emphasis on proper presentation of data in the scientific format.

College/School: Col of Science, Engr & Tech**Department:** Dept Environmental Toxio**ES 928 Toxicology I (3 Credits)****Lecture:** 3**College/School:** Col of Science, Engr & Tech**Department:** Dept Environmental Toxio

ES 929 Toxicology III (3 Credits)**Lecture: 3**

This course examines the advanced concepts of toxicology. Distribution, absorption, metabolic conversion, and elimination of toxic agents are discussed. Mechanisms of injury to various body systems following exposure to toxic chemicals are explored at the systemic, organ, and cellular levels. Topics also include classes of toxicants, methods for detecting and evaluating their effects, and the scientific basis for risk estimation in humans.

College/School: Col of Science, Engr & Tech

Department: Dept Environmental Toxio

ES 930 Biochemistry (3 Credits)**Lecture: 3**

Topics covered include chemical principles of biologic systems; chemical and physical properties of nucleotides, amino acids, proteins and water; protein structure and stability; introduction to steady-state kinetics; enzyme mechanism; controlling enzyme activity; metabolic circuitry; glucose transport and metabolism; pyruvate metabolism; the TCA cycle; electron flow and Ox- Phos; glycogen metabolism; gluconeogenesis and the pentose shunt; fatty acid catabolism and synthesis; disposal of nitrogen: the urea cycle; amino acid catabolism and synthesis; integrating metabolism: fed and fasted states and exercise; structure of nucleic acids; physical properties of nucleic acids, DNA replication and repair; transcription and its control; RNA processing and Translation.

College/School: Col of Science, Engr & Tech

Department: Department of Chemistry

ES 931 Ethics (3 Credits)**Lecture: 3**

This course will enhance students' understanding of core ethical issues in research. Focus will be made on IRBs (Institutional Review Boards), IACUC (Institutional Animal Care and Use Committees), roles of ethical theories, principles, and human rights. Topics in scientific research will include elements of good science and conflicts of interest.

College/School: Col of Science, Engr & Tech

Department: Department of Chemistry

ES 932 Contemporary Topics in Toxicol (3 Credits)**Lecture: 3**

College/School: Col of Science, Engr & Tech

Department: Dept Environmental Toxio

ES 933 Mutagenesis Carcinogenesis (3 Credits)**Lecture: 3**

This course analyzes the modes by which organisms handle damage to DNA by physical and chemical agents, the mechanisms of converting damage to mutations, and the theoretical basis for carcinogenesis screening methods utilizing mutagenesis. Topics include systems for mutagenesis testing, mutational spectra, and inducible responses to DNA damage

College/School: Col of Science, Engr & Tech

Department: Department of Chemistry

ES 934 Molecular Basis of Gene Action (3 Credits)**Lecture: 3**

This course examines advanced topics related to prokaryotic and eukaryotic gene expression and regulation. Conventional and non-conventional cloning tools will also be discussed as they relate to gene expression. The course will also cover topics in genomics and transcriptomics.

College/School: Col of Science, Engr & Tech

Department: Department of Chemistry

ES 935 Stat Aspects of Risk Assessmen (3 Credits)**Lecture: 3**

This course is designed to introduce the potential environmental toxicology specialist to the comprehensive coverage of environmental impact and risk assessment disciplines as tools to environmental planning and management, policy decision making and regulatory standard setting of exposure limits to toxic substances.

College/School: Col of Science, Engr & Tech

Department: Department of Chemistry

ES 936 Occ & Environ Epidemiology (3 Credits)**Lecture: 3**

This course will introduce students to environmental and occupational epidemiologic study designs, basic and novel methods of exposure assessment, and methodologies to improve study validity within this focus area.

College/School: Col of Science, Engr & Tech

Department: Department of Chemistry

Executive Master of Bus Adm (EMBA)

ACCT 631 Sem: Managerial Acctg (3 Credits)**Lecture: 3, Lab: 0**

SEMINAR IN MANAGERIAL ACCOUNTING (3) An examination of the theoretical and practical issues involved in managerial accounting.

Emphasis is on contemporary issues in managerial accounting.

(Prerequisites: ACCT 231 or ACCT 636.)

Prerequisite(s): ACCT 231 or ACCT 636

College/School: JHJ School Of Business

Department: Department of Accounting

BADM 630 Managerial Communication (3 Credits)**Lecture: 3**

BADM 630 MANAGERIAL COMMUNICATION (3) Development of oral and written communication skills, including the use of current computer technology.

College/School: JHJ School Of Business

Department: Dept of Business Admin.

FIN 621 Fin & Econ Anal (3 Credits)**Lecture: 3, Lab: 0**

The business principles using a managerial approach to financial and economic analysis. Covers theories of consumer, firm, and markets with emphasis on managerial decision-making; applied topics include demand estimation, forecasting, exchange rates and exports, and long-term investment.

Prerequisite(s): ECON 231 and ECON 232 and FIN 301 and MGSC 239

College/School: JHJ School Of Business

Department: Dept Finance & Economics

FIN 652 Managerial Finance (3 Credits)**Lecture: 3, Lab: 0**

The theory and practice of financial decision making, including tools and techniques for making financial decisions, including those arising from globalization and ethical challenges.

Prerequisite(s): FIN 301 and MGSC 624

College/School: JHJ School Of Business

Department: Dept Finance & Economics

FIN 675 Energy Finance (3 Credits)**Lecture:** 3, **Lab:** 0

Introduction to financial analysis, project selection, financing and dividend policies. Energy industry fundamentals and performance are discussed. Data and cases are utilized to address financial and decision-making issues in the energy industry.

College/School: JHJ School Of Business**Department:** Dept Finance & Economics**FIN 685 Energy Trading (3 Credits)****Lecture:** 3

Introduction to financial derivatives including futures, options, and swaps used by traders in the energy industry. Emphasis is placed on the framework for various hedging and risk management objectives.

College/School: JHJ School Of Business**Department:** Dept Finance & Economics**FIN 695 Financial Valuation Modeling (3 Credits)****Lecture:** 3

This course provides a review of natural gas, oil and petroleum products, coal, liquefied natural gas and electricity including energy forecasting and supply and cost curves. Three hours of lecture per week. Prerequisite: FIN 301.

College/School: JHJ School Of Business**Department:** Dept Finance & Economics**MGMT 636 Organizational & Mgmt Theory (3 Credits)****Lecture:** 3, **Lab:** 0

ORGANIZATIONAL AND MANAGEMENT THEORY (3) Individual, group and inter-group behavior within organizations in the context of technological change, workforce diversity, ethical challenges, and globalization.

Prerequisite(s): MGMT 300**College/School:** JHJ School Of Business**Department:** Dept of Business Admin.**MGMT 646 Graduate Seminar in Mgmt (3 Credits)****Lecture:** 3

GRADUATE SEMINAR IN MANAGEMENT (3) In-depth exploration of selected topics in organization and management theory with special emphasis on leadership and ethics.

College/School: JHJ School Of Business**Department:** Dept of Business Admin.**MGMT 670 Global Strategic Mgmt (3 Credits)****Lecture:** 3, **Lab:** 0

670 GLOBAL STRATEGIC MANAGEMENT (3) A cross-functional approach to the analysis of strategic decision making in the context of a global economy.

Prerequisite(s): MGMT 636 and FIN 652 and ACCT 631 and MKTG 650**College/School:** JHJ School Of Business**Department:** Dept of Business Admin.**MGSC 624 Statistical Methods (3 Credits)****Lecture:** 3, **Lab:** 0

STATISTICAL ANALYSIS (3) Use of statistical techniques for business research, analysis, and forecasting. It includes regression analysis and other econometric tools and the use of computer software.

Prerequisite(s): MGSC 239 and MGSC 302**College/School:** JHJ School Of Business**Department:** Dept of Business Admin.**MGSC 625 Supply Chain Management (3 Credits)****Lecture:** 3, **Lab:** 0

SUPPLY CHAIN MANAGEMENT (3) The course will provide an introduction to Supply Chain Management and the role of information systems in managing supply chains.

Prerequisite(s): MGSC 302**College/School:** JHJ School Of Business**Department:** Dept of Business Admin.**MIS 671 Introduction to MIS (3 Credits)****Lecture:** 3

INFORMATION TECHNOLOGY (3) The use of information technology to analyze business problems. It includes the development of computer software skills.

College/School: JHJ School Of Business**Department:** Dept of Business Admin.**MIS 677 E-Commerce (3 Credits)****Lecture:** 3

E-COMMERCE (3) Exposure to the use of Internet for business-to-business communications, logistics and supply chain management, financial markets, digital payments, marketing etc. (Prerequisites: MIS 304.)

Prerequisite(s): MIS 304**College/School:** JHJ School Of Business**Department:** Dept of Business Admin.**MKTG 650 Sem Mktg Probs (3 Credits)****Lecture:** 3, **Lab:** 0

STRATEGIC MARKETING MANAGEMENT (3) Key marketing problems of domestic and international organizations, including those arising from issues related to globalization, environmental protection, ethical issues, social trends, and legal constraints. (Prerequisites: MKTG 306 or equivalent.)

Prerequisite(s): MKTG 306**College/School:** JHJ School Of Business**Department:** Dept of Business Admin.

Finance (FIN)

FIN 621 Fin & Econ Anal (3 Credits)**Lecture:** 3, **Lab:** 0

The business principles using a managerial approach to financial and economic analysis. Covers theories of consumer, firm, and markets with emphasis on managerial decision-making; applied topics include demand estimation, forecasting, exchange rates and exports, and long-term investment.

Prerequisite(s): ECON 231 and ECON 232 and FIN 301 and MGSC 239**College/School:** JHJ School Of Business**Department:** Dept Finance & Economics**FIN 650 Investment Management (3 Credits)****Lecture:** 3, **Lab:** 0

INVESTMENT MANAGEMENT (3) Theory and practice of pricing and evaluation of stocks, bonds, options, futures, and mutual funds. It includes portfolio theory and management and global investments. (Prerequisite: FIN 301 or equivalent.)

Prerequisite(s): FIN 301**College/School:** JHJ School Of Business**Department:** Dept Finance & Economics

FIN 652 Managerial Finance (3 Credits)**Lecture:** 3, **Lab:** 0

The theory and practice of financial decision making, including tools and techniques for making financial decisions, including those arising from globalization and ethical challenges.

Prerequisite(s): FIN 301 and MGSC 624**College/School:** JHJ School Of Business**Department:** Dept Finance & Economics**FIN 655 International Finance (3 Credits)****Lecture:** 3

INTERNATIONAL FINANCE (3) This course analyzes issues and problems managers and investors face that result from operating in an international environment. (Prerequisites: FIN 301 or equivalent.)

College/School: JHJ School Of Business**Department:** Dept Finance & Economics**FIN 675 Energy Finance (3 Credits)****Lecture:** 3, **Lab:** 0

Introduction to financial analysis, project selection, financing and dividend policies. Energy industry fundamentals and performance are discussed. Data and cases are utilized to address financial and decision-making issues in the energy industry.

College/School: JHJ School Of Business**Department:** Dept Finance & Economics**FIN 685 Energy Trading (3 Credits)****Lecture:** 3

Introduction to financial derivatives including futures, options, and swaps used by traders in the energy industry. Emphasis is placed on the framework for various hedging and risk management objectives.

College/School: JHJ School Of Business**Department:** Dept Finance & Economics**FIN 695 Financial Valuation Modeling (3 Credits)****Lecture:** 3

This course provides a review of natural gas, oil and petroleum products, coal, liquefied natural gas and electricity including energy forecasting and supply and cost curves. Three hours of lecture per week. Prerequisite: FIN 301.

College/School: JHJ School Of Business**Department:** Dept Finance & Economics

Foods & Nutrition (FN)

FN 531 Food Processing (3 Credits)**Lecture:** 1, **Lab:** 4

Principles and methods of food preservation; changes occurring during processing and storage; control of changes in food because of enzyme 5 microorganisms and chemical reactions. Research paper required. One lecture and four laboratory hours per week. Fee: \$4.00.

College/School: Liberal Arts & Behavioral Scie**Department:** Human Serv & Consumer Sci**FN 533 Nutrition During Pregnancy (3 Credits)****Lecture:** 3**College/School:** Liberal Arts & Behavioral Scie**Department:** Human Serv & Consumer Sci**FN 537 Tchg Nut & Hlth In Pub Schs (3 Credits)****Lecture:** 3, **Lab:** 0

The relation of nutrition to health and its implication to the education of youth. Methods of planning and correlating nutrition and health with other subjects in public schools. Recommended for education majors. Research paper required.

College/School: Liberal Arts & Behavioral Scie**Department:** Human Serv & Consumer Sci**FN 538 Nutrition Preg Lact & Infancy (3 Credits)****Lecture:** 3, **Lab:** 0**College/School:** Liberal Arts & Behavioral Scie**Department:** Human Serv & Consumer Sci**FN 539 Human Nutrition Adulthd (3 Credits)****Lecture:** 3, **Lab:** 0

Advanced study of normal and therapeutic nutrition during early, middle, and late adulthood. Nutritional assessments, requirements, and factors influencing the quality of diet. Research paper required.

College/School: Liberal Arts & Behavioral Scie**Department:** Human Serv & Consumer Sci**FN 543 Mgmt Probs Food Serv Sys (4 Credits)****Lecture:** 4, **Lab:** 2

Advanced study of institutional administration of food service systems: including organizational structures, personnel, management, administration, budgetary control, problems, responsibilities, policies and procedures. Two lecture and four practicum hours per week. Fee: \$4.00.

College/School: Liberal Arts & Behavioral Scie**Department:** Human Serv & Consumer Sci**FN 632 Demonstration Techniques (3 Credits)****Lecture:** 1, **Lab:** 4

Techniques and procedures in the demonstration of preparation of foods for business and social purposes; extension; and teaching. Two lecture and two seminar hours per week. Research paper and practicum required (Prerequisite: HSCS 511; Co-requisite: HSCS 760.)

College/School: Liberal Arts & Behavioral Scie**Department:** Human Serv & Consumer Sci**FN 634 Sem Fds & Nutri (3 Credits)****Lecture:** 2, **Lab:** 2

Individual reports and discussions of proposed research in foods and nutrition. Oral presentation at scheduled seminars required. Two lecture and two seminar hours per week. Research paper and practicum required. (Prerequisite: HSCS 511; Co requisite: HSCS 760; formerly FN 534)

College/School: Liberal Arts & Behavioral Scie**Department:** Human Serv & Consumer Sci**FN 641 Instit Food Prod & Serv (4 Credits)****Lecture:** 2, **Lab:** 2

Advanced study of food purchasing production and service in health care and related facilities; specification writing, recipe development, analysis of food costs, computer applications in food service systems. Three lecture and two practicum hours per week.

College/School: Liberal Arts & Behavioral Scie**Department:** Human Serv & Consumer Sci

Forensic Science (FORS)

FORS 616 Special Topic in Forensic Sc. (3 Credits)

Lecture: 3

This is a new course, with 3 hrs. lecture. This course is an examination of current issues in forensic sciences as they relate to the administration of justice. Special topic course offerings vary from semester. 3 hours per week.

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

FORS 626 Forensic Science Management and Policies (3 Credits)

Lecture: 3

This course provides a thorough examination into Forensic Science Policies and Management. It also offers a critical insight into the implementation of sustainable policies that will be beneficial in crisis management.

Prerequisite(s): AJ 505

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

FORS 636 Quality Control Assurance: Standardization and Best Practices (3 Credits)

Lecture: 3

This course presents an overview into the overall quality and accreditation requirements required in forensic science disciplines such as forensic science laboratories, products, and forensic science personnel and law enforcement practitioners.

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

FORS 646 Root Cause Analysis Fiscal Resource Management (3 Credits)

Lecture: 3

This course will provide students with the applicable skills and knowledge to effectively analyze root cause analysis and implement appropriate actions during a crisis management.

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

FORS 656 International Standards Organization(ISO) Accreditation (3 Credits)

Lecture: 3

This course provides the familiarization of related International Standards Organization (ISO) accreditation requirements designed to ensure reliable processes and methods in the forensic science disciplines.

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

FORS 676 Forensic Science Statistics (3 Credits)

Lecture: 3

This course provides an introduction to statistical analysis techniques that are commonly employed in forensic science data analysis. This course will provide students with best practices for the collection and handling of data.

College/School: The School of Public Affairs

Department: Dept of Admin of Justice

Health Education (HED)

HED 532 Epid & Human Ecol (3 Credits)

Lecture: 3, **Lab:** 0

EPIDEMIOLOGY AND HUMAN ECOLOGY (3) Biologic relations between man and his environment and other organisms. Identification of factors influencing health and disease in a population. An examination of epidemiological methods to understand their technique of hypothesis formation, retrospective and prospective methods, and sampling problems.

College/School: College Of Education

Department: Dept of Health & Kinesiology

HED 534 Survey Of Health Politics (3 Credits)

Lecture: 3, **Lab:** 0

SURVEY OF HEALTH POLITICS (3) An in-depth analysis of laws pertaining to the health field; impact of relationships between and among patients, patients' families, providers and other third party participants. A review of selected Texas statutes and health litigation will be conducted.

College/School: College Of Education

Department: Dept of Health & Kinesiology

HED 535 Sem International Health (3 Credits)

Lecture: 3, **Lab:** 0

SEMINAR IN RURAL AND INTERNATIONAL HEALTH (3) Presentation of topics related to rural and international health systems and impact of these systems on state, national, and international perspectives.

College/School: College Of Education

Department: Dept of Health & Kinesiology

HED 536 Contemp Urban Hlth Probs (3 Credits)

Lecture: 3, **Lab:** 0

CONTEMPORARY URBAN HEALTH PROBLEMS (3) Review of factors relating to selected high morbidity and mortality in urban environments; distribution of urban health services; impact and utilization of urban wellness programs. Study of related problems faced by practicing health educators in a rapidly changing society and health care industry and service system.

College/School: College Of Education

Department: Dept of Health & Kinesiology

HED 538 Health Probs Of The Aged (3 Credits)

Lecture: 3, **Lab:** 0

HEALTH ISSUES OF AGING, DEATH AND DYING (3) Emphasis on social, economic, and physical problems of the aged and benefits of wellness programs. Community response to health problems of aging persons; issues related to death.

College/School: College Of Education

Department: Dept of Health & Kinesiology

HED 570 Admin Of Health Education (3 Credits)

Lecture: 3, **Lab:** 0

ORGANIZATION AND ADMINISTRATION OF SCHOOL AND COMMUNITY HEALTH EDUCATION (3) Principles and functions of organization and administration of school and community agencies. Designed to assist the health education specialist to develop and manage formalized school and community educational programs. Emphasis on wellness.

College/School: College Of Education

Department: Dept of Health & Kinesiology

HED 571 Hlth Probs Alco Nar & Tobacco (3 Credits)**Lecture:** 3, **Lab:** 0

HEALTH PROBLEMS OF ALCOHOL, NARCOTICS, AND TOBACCO (3) A comprehensive study of the harmful and beneficial effects of drugs, the physical effects, and socioeconomic-cultural impacts on the community, especially among youth. Legislative and educational efforts in this area.

College/School: College Of Education**Department:** Dept of Health & Kinesiology**HED 572 Safety Education (3 Credits)****Lecture:** 3, **Lab:** 0

SAFETY EDUCATION (3) Advanced study of situations related to safety in contemporary society; focus on physical, biological, environmental, and cultural influences that impact safety of individuals in a global society.

College/School: College Of Education**Department:** Dept of Health & Kinesiology**HED 573 Community Health Problems (3 Credits)****Lecture:** 3, **Lab:** 0**College/School:** College Of Education**Department:** Dept of Health & Kinesiology**HED 574 Hlth Manpower Issues (3 Credits)****Lecture:** 3, **Lab:** 0

HEALTH MANPOWER ISSUES (3) Survey of health occupations by job function, geographic distribution, functional equivalencies, and available training. Issues development and trends in the discipline in schools, the community, industry, and institutional settings. Review of issues confronting health personnel.

College/School: College Of Education**Department:** Dept of Health & Kinesiology**HED 577 Human Sexuality & Dev (3 Credits)****Lecture:** 3, **Lab:** 0

HUMAN SEXUALITY: ISSUES AND CONSIDERATIONS (3) Advanced study exploring biological, psychological, social/cultural dimensions of human sexuality as these are affected by human relations. Focuses on issues related to impact of sexuality on human wellbeing and quality of life.

College/School: College Of Education**Department:** Dept of Health & Kinesiology**HED 831 Research Planning (3 Credits)****Lecture:** 0, **Lab:** 6

RESEARCH PLANNING IN HEALTH AND PHYSICAL EDUCATION (3) Research design application to HPE. Provides a conceptual understanding of theories, tools, and processes involved in designing research studies.

College/School: College Of Education**Department:** Dept of Health & Kinesiology**HED 890 Thesis in Health (3 Credits)****Lecture:** 3**College/School:** College Of Education**Department:** Dept of Health & Kinesiology

Health Science - Health Admin. (HSHA)

HSHA 511 Info Systems in Hlth Care Admi (3 Credits)**Lecture:** 3, **Lab:** 0

INFORMATION SYSTEMS IN HEALTH CARE (3) An introduction to substantive course content that provides basic vocabulary and principles of modern information architectures, computer networking and communication technologies and scientific methods. The course will cover the integration of technology in healthcare at all aspects as a result of the electronic health records, Affordable Care Act, HIPAA, etc. The course will keep students abreast of all cutting edge information systems knowledge by providing real-time instruction using practitioners and case-based problem-solving.

College/School: College Of Pharmacy/Hlth Sci.**Department:** Phar Adm and Adm Health Scienc**HSHA 512 Intro to Hlth Care Org (3 Credits)****Lecture:** 3, **Lab:** 0

INTRODUCTION TO HEALTH CARE ORGANIZATIONS (3) A review of U.S. health care organizations beginning with a historical context, systems theory, analysis of organizational components health service disciplines with personnel, national, state and local health trend analysis, quality assurance and its role in health care organizations, political issues, group projects and field trips.

College/School: College Of Pharmacy/Hlth Sci.**Department:** Phar Adm and Adm Health Scienc**HSHA 513 HC: Management Statistics (3 Credits)****Lecture:** 3, **Lab:** 0

QUANTITATIVE METHODS OF HEALTH MANAGEMENT (3) Mathematical, statistical, computer applications and statistical techniques used in decision making in health care hospitals.

College/School: College Of Pharmacy/Hlth Sci.**Department:** Phar Adm and Adm Health Scienc**HSHA 514 Human Resource & Labor Mgmt (3 Credits)****Lecture:** 3, **Lab:** 0

HUMAN RESOURCES MANAGEMENT AND LABOR RELATIONS (3) A review of the application of theories and concepts of organizational behavior to the personnel management function. Topics will include legal and regulatory influences, job analysis recruitment, selection, placement, compensation, performance, improvement and appraisal.

College/School: College Of Pharmacy/Hlth Sci.**Department:** Phar Adm and Adm Health Scienc**HSHA 516 Analysis of Hlth Care Mktgs (2 Credits)****Lecture:** 2, **Lab:** 0

ANALYSIS OF HEALTH CARE MARKETS (2) Introduction to survey marketing concepts as applied to health services organizations. Consumer behavior, marketing segmentation, target marketing, marketing research, management and control of marketing mix variables.

College/School: College Of Pharmacy/Hlth Sci.**Department:** (R)Dept of Health Sciences

HSHA 517 Health Care Economics (3 Credits)**Lecture:** 3, **Lab:** 0

HEALTH CARE ECONOMICS (3) Economy methodologies applied to the health services, concept of efficiency applied to production and distribution of health services, health insurance, government programs, health care personnel, health services organizations, current health policy issues, and emphasis on individual student application of economic principles to health issues.

College/School: College Of Pharmacy/Hlth Sci.**Department:** Phar Adm and Adm Health Scienc**HSHA 518 Urban Health Disparities (3 Credits)****Lecture:** 3**College/School:** College Of Pharmacy/Hlth Sci.**Department:** Phar Adm and Adm Health Scienc**HSHA 525 Healthcare Managerial Communication (3 Credits)****Lecture:** 3

The course develops the management skills and competencies to enhance oral and written communication for health care managers. The course focuses on developing written skills in executive

College/School: College Of Pharmacy/Hlth Sci.**Department:** Phar Adm and Adm Health Scienc**HSHA 535 Health Care Professionalism/Leadership (3 Credits)****Lecture:** 3**College/School:** College Of Pharmacy/Hlth Sci.**Department:** Phar Adm and Adm Health Scienc**HSHA 612 Health Care Law & Bioethics (3 Credits)****Lecture:** 3, **Lab:** 0

HEALTH CARE LAW BIOETHICS (3) Reviews legal principles influencing health care providers. An overview of basic instruction in contract law, tort law, and antitrust law. Emphasizes major health care liability producing areas and interfaces between law and ethics with an in-depth approach to monitoring the moral mission of the institution. Case studies and practitioner support will be emphasized in this course. Prerequisite:

HSHA 512 or Program Director Permission

College/School: College Of Pharmacy/Hlth Sci.**Department:** Phar Adm and Adm Health Scienc**HSHA 613 Research Desg Meth & Analysis (3 Credits)****Lecture:** 3

RESEARCH DESIGN METHODS (3) The course identifies health services research methodology used by health care administrators to collect, analyze and prepare reports for the purposes of running healthcare organizations. The course focuses on both quantitative and qualitative research methodology enhancing competencies in decision-making based upon statistical analysis various forms of health care data including survey data, patient records, financial records, and other operational data. HSHA 512 or Program Director Permission

Prerequisite(s): HSHA 512**College/School:** College Of Pharmacy/Hlth Sci.**Department:** Phar Adm and Adm Health Scienc**HSHA 620 Contemporary Issues (3 Credits)****Lecture:** 3**Prerequisite(s):** HSHA 512**College/School:** College Of Pharmacy/Hlth Sci.**Department:** (R)Dept of Health Sciences**HSHA 621 Healthcare Org, Strategy & Mgm (3 Credits)****Lecture:** 3**Prerequisite(s):** HSHA 512**College/School:** College Of Pharmacy/Hlth Sci.**Department:** Phar Prattice/Clinical Hlth Sci**HSHA 650 Administrative Residency I (3 Credits)****Lab:** 3**Prerequisite(s):** HSHA 512**College/School:** College Of Pharmacy/Hlth Sci.**Department:** Phar Adm and Adm Health Scienc**HSHA 651 Administrative Residency II (3 Credits)****Lecture:** 3, **Lab:** 0

ADMINISTRATIVE RESIDENCY (3) A defined and structured field experience which will provide a practical professional relationship with preceptor, through hands-on practical experience which is gained of the management process within health service organizations and the application of theory and techniques through an assigned project or series of projects. Students must participate in two semesters (480 hours) of administrative residency. Students must have health insurance, liability insurance and current TB and immunization records. Prerequisite: Advisor Permission

Prerequisite(s): HSHA 512**College/School:** College Of Pharmacy/Hlth Sci.**Department:** Phar Adm and Adm Health Scienc**HSHA 652 Healthcare Managerial Finance (3 Credits)**

MANAGERIAL FINANCE (3) Application of financial management techniques to decision making for health care providers. Financial management functions and organizations, financial statement analysis, working capital management, present value analysis, capital budget, analysis of local capital management, analysis of local capital budget, cost of capital, variance analysis, financial techniques, case studies, financial analysis. HSHA 512 or Program Director Permission

Prerequisite(s): HSHA 512**College/School:** College Of Pharmacy/Hlth Sci.**Department:** Phar Adm and Adm Health Scienc**HSHA 658 Thesis Research I (3 Credits)****Lecture:** 3, **Lab:** 0

THESIS/RESEARCH PROJECT (3) An intensive research study or selected project on a critical issue of health care administration, giving evidence of a thorough study of original sources, using the information, skills and knowledge obtained throughout the course of study. The student must register for both 658 and 659 to complete the THESIS requirement. The instructor of the Thesis course does not have to serve as the chair of the thesis committee.

College/School: College Of Pharmacy/Hlth Sci.**Department:** Phar Adm and Adm Health Scienc**HSHA 659 Thesis Research II (3 Credits)****Lecture:** 3, **Lab:** 0

THESIS/RESEARCH PROJECT (3) An intensive research study or selected project on a critical issue of health care administration, giving evidence of a thorough study of original sources, using the information, skills and knowledge obtained throughout the course of study. The student must register for both 658 and 659 to complete the THESIS requirement. The instructor of the Thesis course does not have to serve as the chair of the thesis committee.

College/School: College Of Pharmacy/Hlth Sci.**Department:** Phar Prattice/Clinical Hlth Sci

HSHA 662 Health Policy Analysis (3 Credits)**Lecture:** 3

HEALTH POLICY ANALYSIS (3) Analysis of major issues in health services in health care institutions, inclusive of hospitals, medical practices, public health, mental health and professional health education. Prerequisite: HSHA 512 or Program Director Permission

Prerequisite(s): HSHA 512**College/School:** College Of Pharmacy/Hlth Sci.**Department:** Phar Adm and Adm Health Scienc**HSHA 663 Epidemiology Health Care Administration (3 Credits)****Lecture:** 3, **Lab:** 0

EPIDEMIOLOGY FOR HEALTH ADMINISTRATION (3) The course provides an overview into population health and other public health topics for healthcare administration students. The course provides an introduction to competencies in the surveillance of disease in the population. A general analysis of population and public health concepts and terminology explain illness in the population. HSHA 512 or Program Director Permission

College/School: College Of Pharmacy/Hlth Sci.**Department:** Dpt of Pharmaceu Sc& Env HS**HSHA 669 HSHA-Independent Study (3 Credits)****Lecture:** 3**College/School:** College Of Pharmacy/Hlth Sci.**Department:** Phar Adm and Adm Health Scienc**HSHA 670 Cultural Competency for HealthCare Leaders (3 Credits)****Lecture:** 3**Prerequisite(s):** HSHA 512**College/School:** College Of Pharmacy/Hlth Sci.**Department:** Phar Adm and Adm Health Scienc**HSHA 680 Health Admin Capstone (3 Credits)****Lecture:** 3**Prerequisite(s):** HSHA 512**College/School:** College Of Pharmacy/Hlth Sci.**Department:** Phar Adm and Adm Health Scienc**HSHA 699 Independent Study (3 Credits)****Lecture:** 3**Prerequisite(s):** HSHA 512**College/School:** College Of Pharmacy/Hlth Sci.**Department:** (R)Dept of Health Sciences

Higher Educations (EDHI)

EDHI 733 Intro to Higher Education (3 Credits)**Lecture:** 3**College/School:** College Of Education**Department:** Dept of EducAdmin/Found**EDHI 734 Seminar in Strategic Planning (3 Credits)****Lecture:** 3**College/School:** College Of Education**Department:** Dept of EducAdmin/Found**EDHI 744 Budgeting/Resource Allocation (3 Credits)****Lab:** 3**College/School:** College Of Education**Department:** Dept of EducAdmin/Found**EDHI 748 Org & Admin of Higher Edu (3 Credits)****Lecture:** 3**College/School:** College Of Education**Department:** Dept of EducAdmin/Found**EDHI 750 Higher Education & The Law (3 Credits)****Lecture:** 3**College/School:** College Of Education**Department:** Dept of EducAdmin/Found**EDHI 771 Student Development Services (3 Credits)****Lecture:** 3**College/School:** College Of Education**Department:** Dept of EducAdmin/Found**EDHI 933 Intro To Study Of Higher Ed (3 Credits)****Lecture:** 3, **Lab:** 0

INTRODUCTION STUDY OF HIGHER EDUCATION (3) A critical examination of the American system of higher education, its origin, characteristics, with particular attention to financing, organization, and administration of colleges and universities.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDHI 934 Admin And Organ Commun College (3 Credits)****Lecture:** 3, **Lab:** 0

ADMINISTRATION AND ORGANIZATION OF THE COMMUNITY COLLEGE (3) A study of the community college movement in the United States, its historical development, aims, philosophical issues, present scope and trends, rational and unique role.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDHI 937 Financing Of Higher Ed (3 Credits)****Lecture:** 3, **Lab:** 0

THE FINANCING OF HIGHER EDUCATION (3) The financing of institutions of higher education, sources of income, budgeting procedures, funding and control.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDHI 938 Curriculum Devt Comm College (3 Credits)****Lecture:** 3, **Lab:** 0

CURRICULUM DEVELOPMENT IN THE COMMUNITY COLLEGE (3)

Provides relevant curriculum for the clientele of the community college. Particular attention to the diverse nature of the students and the relationship of the curricular components to each other.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDHI 939 Sem In Adm Of Higher Ed (3 Credits)****Lecture:** 3, **Lab:** 0

SEMINAR IN THE ADMINISTRATION OF HIGHER EDUCATION (3)

Administrative functions in higher education will serve as the basis for extended examination of administrative theory, leadership technique, group dynamics, and campus governance.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDHI 942 Sem Governance Of Higher Ed (3 Credits)****Lecture:** 3, **Lab:** 0

SEMINAR IN THE GOVERNANCE OF HIGHER EDUCATION (3) Analysis of current practices and issues of higher education. Emphasis on community junior colleges. (Prerequisite: Instructor's consent).

College/School: College Of Education**Department:** Dept of EducAdmin/Found

EDHI 944 Resour Allocatin In Higher Ed (3 Credits)**Lecture:** 3, **Lab:** 0

RESOURCE ALLOCATIONS IN HIGHER EDUCATION (3) Concepts and practices in academic planning and program budgeting. Course work includes opportunities for discussion with guest lecturers in the field. (Prerequisite: Instructor's consent).

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDHI 945 Sem Current Prob In Higher Ed (3 Credits)****Lecture:** 3, **Lab:** 0

SEMINAR IN CURRENT PROBLEMS IN HIGHER EDUCATION (3) Analysis of specific current issues in areas other than governance. (Prerequisite: Instructor's consent)

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDHI 947 Comm College Student (3 Credits)****Lecture:** 3, **Lab:** 0

SEMINAR: THE COMMUNITY COLLEGE STUDENT (3) The research and literature relating to the contemporary community college student and the impact of the student on the development of the college.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDHI 948 Sem Planning And Mgmt High Ed (3 Credits)****Lecture:** 3, **Lab:** 0

SEMINAR IN NEW CONCEPTS IN PLANNING IN HIGHER EDUCATION (3) Principles and practices in the application of modern management concepts, institutional research and modern management concepts. Must register both Fall and Spring semesters for a total of 6 semester hours. No credit given for only one semester of this course.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDHI 950 Higher Ed & The Law (3 Credits)****Lecture:** 3, **Lab:** 0

HIGHER EDUCATION AND THE LAW (3) A study of the legal issues that affect all aspects of post-secondary education using a case study approach.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDHI 951 Personnel Admin High Ed (3 Credits)****Lecture:** 3, **Lab:** 0

PERSONNEL ADMINISTRATION IN HIGHER EDUCATION (3) A study of viable faculty and staff personnel programs with focus on improved methods and techniques used in the field.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDHI 968 Internship In Univ Admin (3,6 Credits)****Lecture:** 0, **Lab:** 6

DOCTORAL INTERNSHIP IN HIGHER EDUCATION (6) Application of doctoral studies in higher education supervised by field administrator and/or university faculty.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDHI 970 Urban Higher Ed (3 Credits)****Lecture:** 3, **Lab:** 0**College/School:** College Of Education**Department:** Dept of EducAdmin/Found**EDHI 971 Stu Affairs Admin High Ed (3 Credits)****Lecture:** 3, **Lab:** 0

STUDENT AFFAIRS ADMINISTRATION IN HIGHER EDUCATION (3) Overview of student personnel services in colleges and universities. Philosophy, organization, and administration of personnel programs at this level and of specific services provided.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDHI 975 The Dept In Higher Ed (3 Credits)****Lecture:** 3, **Lab:** 0

THE DEPARTMENT OF HIGHER EDUCATION (3) The Department as an administrative structural element of the University. The duties and responsibilities of the chairperson as they relate to the management of the department.

College/School: College Of Education**Department:** Dept of EducAdmin/Found**EDHI 999 Dissertation (3-12 Credits)****Lecture:** 0, **Lab:** 0

DISSERTATION (3-12) Through study and analysis of an in-depth topic in higher education.

College/School: College Of Education**Department:** Dept of EducAdmin/Found

History (HIST)

HIST 531 Readings in US History (3 Credits)**Lecture:** 3, **Lab:** 0

HIST 531 READINGS IN U. S. HISTORY (3) Directed readings in selected areas of U.S. history to introduce the student to the themes and concepts of U.S. history. (This course may be taken more than once, but no more than three [3] times, as topics vary, with the permission of the instructor.)

College/School: Liberal Arts & Behavioral Scie**Department:** Dept of History & Geography**HIST 532 Readings in African Amer Hist (3 Credits)****Lecture:** 3, **Lab:** 0

HIST 532 READINGS IN AFRICAN AMERICAN HISTORY (3) Directed readings in selected areas of African American history to introduce the student to the themes and concepts of African American history. (This course may be taken more than once, but no more than three [3] times, as topics vary, with the permission of the instructor.)

College/School: Liberal Arts & Behavioral Scie**Department:** Dept of History & Geography**HIST 533 Readings in World Europe (3 Credits)****Lecture:** 3, **Lab:** 0

HIST 533 READINGS IN EUROPEAN/WORLD HISTORY (3) Directed readings on specified topics in European or world history. (This course may be taken more than once, but no more than three [3] times, as topics vary, with the permission of the instructor.)

College/School: Liberal Arts & Behavioral Scie**Department:** Dept of History & Geography**HIST 561 Readings in Chinese History (3 Credits)****Lecture:** 3

Directed readings course in the history of china, which may be repeated for up to six hours credit.

College/School: Liberal Arts & Behavioral Scie**Department:** Dept of History & Geography

HIST 581 Readings in African History (3 Credits)**Lecture:** 3

HIST 581 READINGS IN AFRICAN HISTORY (3) Directed readings in selected areas of African history to introduce the student to the themes and concepts of African history. (This course may be taken more than once, but no more than three [3] times, as topics vary, with the permission of the instructor.)

College/School: Liberal Arts & Behavioral Scie**Department:** Dept of History & Geography**HIST 582 Spec Problems in African Hist (3 Credits)****Lecture:** 3

HIST 582 SPECIAL PROBLEMS IN AFRICAN HISTORY (3) Intensive study with reading and discussion of special problems in African history. (This course may be taken more than once, but no more than three [3] times, as topics vary, with the permission of the instructor.)

College/School: Liberal Arts & Behavioral Scie**Department:** Dept of History & Geography**HIST 630 Spec Probs in Amer Hist (3 Credits)****Lecture:** 3, **Lab:** 0

HIST 630 PROBLEMS IN U. S. HISTORY (3) Directed readings on specified topics in U. S. history. (This course may be taken more than once, but no more than three [3] times, as topics vary, with the permission of the instructor.)

College/School: Liberal Arts & Behavioral Scie**Department:** Dept of History & Geography**HIST 631 Historiography I (3 Credits)****Lecture:** 3, **Lab:** 0

HIST 631 HISTORIOGRAPHY I (3) A survey of Western historical methods and thought from the Greeks through the 19th Century.

College/School: Liberal Arts & Behavioral Scie**Department:** Dept of History & Geography**HIST 632 Historiography II (3 Credits)****Lecture:** 3, **Lab:** 0

HIST 632 HISTORIOGRAPHY II (3) A survey of twentieth century and non-Western historical methods and thought.

College/School: Liberal Arts & Behavioral Scie**Department:** Dept of History & Geography**HIST 633 Problems in African Disp (3 Credits)****Lecture:** 3, **Lab:** 0

HIST 633 PROBLEMS IN AFRICAN DIASPORA HISTORY (3) Directed readings on specified topics in the history of the peoples of the African Diaspora. (This course may be taken more than once, but no more than three [3] times, as topics vary, with the permission of the instructor.)

College/School: Liberal Arts & Behavioral Scie**Department:** Dept of History & Geography**HIST 635 Civil War Reconst Nat Develop (3 Credits)****Lecture:** 3, **Lab:** 0

HIST 635 THE CIVIL WAR AND RECONSTRUCTION (3) An analysis of the social and political crisis of the Civil War and the social and political readjustments of the period of Reconstruction

College/School: Liberal Arts & Behavioral Scie**Department:** Dept of History & Geography**HIST 640 United States Since 1900 (3 Credits)****Lecture:** 3, **Lab:** 0

HIST 640 UNITED STATES SINCE 1900 (3) An examination of the history of the United States in the twentieth century, with particular emphasis on the economic and social problems of contemporary America.

College/School: Liberal Arts & Behavioral Scie**Department:** Dept of History & Geography**HIST 734 Seminar In American History (3 Credits)****Lecture:** 3, **Lab:** 0

HIST 734 SEMINAR IN AMERICAN HISTORY (3) Readings, discussion, and research in selected topics in American history.

College/School: Liberal Arts & Behavioral Scie**Department:** Dept of History & Geography**HIST 736 Seminar In Afro-American Hist (3 Credits)****Lecture:** 3, **Lab:** 0

HIST 736 SEMINAR IN AFRO-AMERICAN HISTORY (3) Readings, discussion, and research in selected topics in Afro-American history.

College/School: Liberal Arts & Behavioral Scie**Department:** Dept of History & Geography**HIST 750 Historical Research (3 Credits)****Lecture:** 3, **Lab:** 0

HIST 750 HISTORICAL RESEARCH (3) A survey of historical research methodology.

College/School: Liberal Arts & Behavioral Scie**Department:** Dept of History & Geography**HIST 755 Quan Methods In Hist (3 Credits)****Lecture:** 3, **Lab:** 0

QUANTITATIVE METHODS IN HISTORY An introduction to quantitative research techniques appropriate to historical research methodology.

College/School: Liberal Arts & Behavioral Scie**Department:** Dept of History & Geography**HIST 790 Thesis in History (3 Credits)****Lecture:** 3

HIST 790 THESIS IN HISTORY (3) Directed work in the research and writing of a master's thesis in history. (Open only to students choosing the Thesis Option. This course must be taken for a total of six semester hours in consecutive semesters).

College/School: Liberal Arts & Behavioral Scie**Department:** Dept of History & Geography

Human Servs & Consumer Sci (HSCS)

HSCS 510 Intro Grad Stud Hum Ser Con (3 Credits)**Lecture:** 3

INTRODUCTION TO GRADUATE STUDIES IN HUMAN SERVICES and CONSUMER SCIENCES (3) Orientation, history and philosophy of Human Services and Consumer Sciences. Analysis of current programs and future direction in the field. Examination of research integrative framework.

College/School: Liberal Arts & Behavioral Scie**Department:** Human Serv & Consumer Sci**HSCS 511 Ind Study (3 Credits)****Lecture:** 3

INDEPENDENT STUDY (3) Individualized work on a project in area of specialty under supervision. Major advisor and/or instructor approval required (Prerequisites: HSCS 510, HSCS 534, and satisfactory completion of Graduate English requirement).

College/School: Liberal Arts & Behavioral Scie**Department:** Human Serv & Consumer Sci**HSCS 512 Sur Res Human Ser & Con Sci (3 Credits)****Lecture:** 3

RESEARCH SEMINAR (3) Presentation of research papers and/or projects (Prerequisites: HSCS 511 and 534).

Prerequisite(s): (HSCS 510 and HSCS 534)**College/School:** Liberal Arts & Behavioral Scie**Department:** Human Serv & Consumer Sci

HSCS 534 Rdgs Areas Spec Hum Ser Con Sc (3 Credits)**Lecture:** 3

READINGS IN AREAS OF SPECIALIZATION IN HUMAN SERVICES and CONSUMER SCIENCES (3) Readings in and discussion of selected studies and recent developments in Human Services and Consumer Sciences.

College/School: Liberal Arts & Behavioral Scie**Department:** Human Serv & Consumer Sci**HSCS 536 Special Topics in HSCS (3 Credits)****Lecture:** 3

SPECIAL TOPICS IN HUMAN SERVICES and CONSUMER SCIENCES (3) Selected topics in an identified area of study in the Department of Human Services and Consumer Sciences (Prerequisite: instructor's consent).

College/School: Liberal Arts & Behavioral Scie**Department:** Human Serv & Consumer Sci**HSCS 631 Administration & Superv HSCS (3 Credits)****Lecture:** 3

ADMINISTRATION and SUPERVISION OF HUMAN SERVICES and CONSUMER SCIENCES (3) Qualifications and responsibilities of supervisors and administrators; criteria for evaluating supervision and administration in Human Services and Consumer Sciences.

College/School: Liberal Arts & Behavioral Scie**Department:** Human Serv & Consumer Sci**HSCS 632 Administration & Supervision (3 Credits)****Lecture:** 3, **Lab:** 0**College/School:** Liberal Arts & Behavioral Scie**Department:** Human Serv & Consumer Sci**HSCS 634 Seminar In Human Serv & Con (3 Credits)****Lecture:** 2, **Lab:** 2

SEMINAR IN HUMAN SERVICES & CONSUMER SCIENCES (3) Individual reports and discussions of proposed research and/or specific topic related to current societal issues in Human Services and Consumer Sciences. Oral presentation of scheduled seminars required. Two lecture hours and two practicum hours per week.

Prerequisite(s): (HSCS 510)**College/School:** Liberal Arts & Behavioral Scie**Department:** Human Serv & Consumer Sci**HSCS 635 Current Trends in Family Stud (3 Credits)****Lecture:** 3

CURRENT TRENDS IN HUMAN SERVICES and CONSUMER SCIENCES (3) Study of recent advances and current research related to consumer behavior and changing societal needs and psychology, with particular emphasis on programs of Human Services and Consumer Sciences at various educational levels.

College/School: Liberal Arts & Behavioral Scie**Department:** Human Serv & Consumer Sci**HSCS 760 Research Probs Hum Ser Con Sci (3 Credits)****Lecture:** 3

ADVANCED RESEARCH (3) Survey of research theories, methods and processes involved in designing research studies.

College/School: Liberal Arts & Behavioral Scie**Department:** Human Serv & Consumer Sci**HSCS 762 Thesis Writing (3 Credits)****Lecture:** 3, **Lab:** 12

THESIS WRITING (3) Directed individual study on Human Services and Consumer Sciences thesis topic (Prerequisite: Approval of graduate advisor required).

College/School: Liberal Arts & Behavioral Scie**Department:** Human Serv & Consumer Sci

Industrial Technology (ITEC)

ITEC 531 Post Hs Tech Ed (3 Credits)**Lecture:** 3, **Lab:** 0

Post High School Technical Education (3) Study of curricular, social, economic training needs and other changes responsible for the development of post-secondary education, with emphasis on Texas.

College/School: Col of Science, Engr & Tech**Department:** Dept of Industrial Tech**ITEC 540 Occupational & Career Educ (3 Credits)****Lecture:** 3

Occupational and Career Education (3) Basic philosophy of career oriented education, including ideas and strategies for developing careerrelated continuing education programs.

College/School: Col of Science, Engr & Tech**Department:** Dept of Industrial Tech**ITEC 620 Stat Process Control (3 Credits)****Lecture:** 3

Statistical Process Control (3) Overview of statistical techniques and signals used for improvement of industrial processes, differentiation of detection and prevention models for quality control; problem solving applications.

College/School: Col of Science, Engr & Tech**Department:** Dept of Industrial Tech**ITEC 625 Operations Res Tech (3 Credits)****Lecture:** 3

Operations Research for Technologists (3) Analytic tools for addressing complex industrial problems, including linear programming, network analysis, inventory, decision analysis, queuing and simulation models.

College/School: Col of Science, Engr & Tech**Department:** Dept of Industrial Tech**ITEC 633 Labor-Mgmt Relations (3 Credits)****Lecture:** 3, **Lab:** 0

Industrial Labor-Management Relations (3) Evolution of labor-management relationships in the U.S. and impact of technological changes; comparison with other industrialized nations and implications for global competition.

College/School: Col of Science, Engr & Tech**Department:** Dept of Industrial Tech**ITEC 634 Human Resources Development (3 Credits)****Lecture:** 3, **Lab:** 0

Human Resource Development (3) Examination of the human resource in industrial operations with emphasis on planning, development and evaluation for technical manpower.

College/School: Col of Science, Engr & Tech**Department:** Dept of Industrial Tech

ITEC 635 Tech & Environ (3 Credits)**Lecture:** 3, **Lab:** 0

Technology and the Environment (3) A study of ecological problems created by advanced technology and the utilization and application of technology to preserve the environment.

College/School: Col of Science, Engr & Tech**Department:** Dept of Industrial Tech**ITEC 637 Facil Plan Sys Anal Tech (3 Credits)****Lecture:** 3, **Lab:** 0

Facilities Planning & Systems Analysis for technical Programs (3) Innovations in planning to include space, equipment, industrial supplies, and educational specifications.

College/School: Col of Science, Engr & Tech**Department:** Dept of Industrial Tech**ITEC 638 Ind Safety & Ergonomics (3 Credits)****Lecture:** 3, **Lab:** 0

Industrial Safety & Ergonomics (3) Concepts and techniques of safety management, industrial hygiene and ergonomics with applications

College/School: Col of Science, Engr & Tech**Department:** Dept of Industrial Tech**ITEC 640 Computer Applications (3 Credits)****Lecture:** 3, **Lab:** 0

Computer Applications in Industrial Technology (3) Review of microcomputer hardware and software; survey of computer applications in industrial operations, including manufacturing, construction, distribution and information systems.

College/School: Col of Science, Engr & Tech**Department:** Dept of Industrial Tech**ITEC 642 Computer Integrated Mfg (3 Credits)****Lecture:** 3, **Lab:** 0

Computer Integrated Manufacturing (3) Evolution, scope and development of CIM concepts and associated technologies, including numerical control, CNC, CAD/CAM, and automation; applications and benefits of CIM. Prerequisite: ITEC 640

College/School: Col of Science, Engr & Tech**Department:** Dept of Industrial Tech**ITEC 644 Production Sys Control (3 Credits)****Lecture:** 3, **Lab:** 0

Production Systems Control (3) Overview of control methodologies for production systems, including production, capacity and materials requirements planning, scheduling, inventory, and productivity analysis. Prerequisite(s) ITEC 625, 640

College/School: Col of Science, Engr & Tech**Department:** Dept of Industrial Tech**ITEC 650 Project Analysis & Management (3 Credits)****Lecture:** 3

Project Analysis & Management (3) Methods of analysis and scheduling of industrial projects, including cost estimating, economic analysis, selection and implementation; applications in manufacturing, construction and service industries. Prerequisite(s) ITEC 625, 640.

College/School: Col of Science, Engr & Tech**Department:** Dept of Industrial Tech**ITEC 664 Materials Handlg Sys (3 Credits)****Lecture:** 3

Materials Handling Systems (3) Basic criteria for the selection and justification of material handling equipment; manual, mechanized and automated warehousing and storage/retrieval systems; robotics and flexible manufacturing systems.

College/School: Col of Science, Engr & Tech**Department:** Dept of Industrial Tech**ITEC 668 Modern Mfg Tech (3 Credits)****Lecture:** 3

Modern Manufacturing Technologies (3) Examination of the evolution and economics of current and emerging manufacturing technologies for industrial applications, including automation, CIM, FMS, JIT, etc.

College/School: Col of Science, Engr & Tech**Department:** Dept of Industrial Tech**ITEC 680 Energy Systems (3 Credits)****Lecture:** 3

Energy Generation Systems (3) Overview of fuel-based and alternative energy sources, comparative economic analyses and societal impact of alternatives, and implications for technology.

College/School: Col of Science, Engr & Tech**Department:** Dept of Industrial Tech**ITEC 690 Graduate Seminar (1 Credits)****Lecture:** 2

Graduate Seminar (1) Recent developments and issues in technology; technology trends and social impacts. Majors must take course in each semester enrolled for a minimum of 3 credits.

College/School: Col of Science, Engr & Tech**Department:** Dept of Industrial Tech**ITEC 692 Special Problems (3 Credits)****Lecture:** 3

Special Problems in Technology (3) Individual study, which may be laboratory or field based, of a special technical problem of interest. A written report is required. Prerequisite: Completion of core curriculum and approval of program coordinator.

College/School: Col of Science, Engr & Tech**Department:** Dept of Industrial Tech**ITEC 695 Tech Internship (3 Credits)****Lecture:** 1, **Lab:** 10

ITEC 695 – Technical Internship (3) Minimum of 3 months (FTE) approved work in non-academic setting under supervision of a senior or management level technologist; work must be documented in technical report. Prerequisite: Completion of core curriculum and approval of program coordinator.

College/School: Col of Science, Engr & Tech**Department:** Dept of Industrial Tech**ITEC 699 Thesis (3 Credits)****Lecture:** 3

Thesis Research (3) Direct investigation of special problems in technology; research to be reported in a thesis showing substantive depth and clear organization and presentation. Prerequisite: Completion of core curriculum and approval of program coordinator.

College/School: Col of Science, Engr & Tech**Department:** Dept of Industrial Tech

Journalism (JOUR)

JOUR 505 Art of Narrative (3 Credits)

Lecture: 3

Researching, planning and writing short-form and long-form narratives for print and digital media. Three hours of lecture per week. Prerequisite: none

College/School: School of Communication

Department: Dept of Journalism

JOUR 531 Sem In Mass Communication (3 Credits)

Lecture: 3, **Lab:** 0

SEMINAR IN MASS COMMUNICATION (3) Cultural, economic, political and social factors which affect communication at the international level; role of communication in affecting social change in relation to developing countries.

College/School: School of Communication

Department: Dept of Journalism

JOUR 539 International Communications (3 Credits)

Lecture: 3, **Lab:** 0

INTERNATIONAL COMMUNICATION SYSTEMS (3) Analysis of cultural, economic, political and social factors which affect communication at the international level. The role of communication in affecting social change is reviewed in relation to newly developing countries.

College/School: School of Communication

Department: Dept of Journalism

JOUR 544 Effective Website Design (4 Credits)

Lecture: 4

Techniques for creating and promoting multimedia websites. Four hours of lecture per week with studio hours to be arranged. Prerequisite: CM 501, Jour 505 and CM 510.

Prerequisite(s): (CM 501 and JOUR 505 and CM 510)

College/School: School of Communication

Department: Dept of Journalism

JOUR 550 Journalism Seminar (3 Credits)

Lecture: 3, **Lab:** 0

JOURNALISM SEMINAR (3) Study of selected topics in an identified area of journalism. May be repeated for credit as often as topic changes

College/School: School of Communication

Department: Dept of Journalism

JOUR 571 Literature of Journalism (3 Credits)

Lecture: 3, **Lab:** 0

Readings in literary journalism with practical instruction in the creation of long-form narratives. Three hours of lecture per week. Prerequisite: CM 501, Jour 505 and CM 510.

Prerequisite(s): (CM 501 and JOUR 505 and CM 510)

College/School: School of Communication

Department: Dept of Journalism

JOUR 590 Media Management (3 Credits)

Lecture: 3, **Lab:** 0

MEDIA MANAGEMENT (3) Analysis of the management decision-making process in media (radio, television, and print) with particular reference to program policies, sales and personnel administration.

College/School: School of Communication

Department: Dept of Journalism

JOUR 5342 Broadcast Journalism Writing and Producing (3 Credits)

Lecture: 3

Intensive training in creation of broadcast including long-form stories.

College/School: School of Communication

Department: Dept of Journalism

Kinesiology (KIN)

KIN 502 Strength & Fitness Devel (3 Credits)

Lecture: 3

Strength and Fitness Development (3) Theoretical bases of strength development; recognition of the compounds of fitness; development and evaluation of fitness programs and types of strength.

College/School: College Of Education

Department: Dept of Health & Kinesiology

KIN 531 Advanced Theory & Practice (3 Credits)

Lecture: 3

Advanced Theory and Practice (3) A study of the technique and strategy used in various physical education and fitness programs and types of strength.

College/School: College Of Education

Department: Dept of Health & Kinesiology

KIN 534 Admin Of Athletics (3 Credits)

Lecture: 3

Administration of Athletics (3) A study of administrative details, policies, and procedures related to high school and college athletics.

College/School: College Of Education

Department: Dept of Health & Kinesiology

KIN 535 Adv Tests Meas Hlth Phy Ed Rec (3 Credits)

Lecture: 3

Advanced Tests and Measurements (3) A study of various kinds of tests used in the field of physical education; includes practical experience in the administration of tests and the use of statistics to interpret test scores.

College/School: College Of Education

Department: Dept of Health & Kinesiology

KIN 536 Adapt Phy Edu For Atypica (3 Credits)

Lecture: 3

Adapted Physical Education for the Atypical Individual (3) The various types of physical activities and the ways in which they may be modified to meet the needs of individuals who are physically handicapped to the extent that they are unable to participate in the regular program of physical education activities.

College/School: College Of Education

Department: Dept of Health & Kinesiology

KIN 540 Sports Psychology (3 Credits)

Lecture: 3

Sports Psychology (3) A study of motivation, communication, stress management, the use of natural energy, and other fascinating topics for enhancing coach-athlete relationships and for stimulating improved sports performers. Also, ACEP Certification.

College/School: College Of Education

Department: Dept of Health & Kinesiology

KIN 576 Motivational Aspects Phys (3 Credits)**Lecture:** 3

Motivational Aspects of Physical Activity (3) An analysis of factors influencing motivation of motor performance with emphasis on competition, audience effects, aggression, etc.

College/School: College Of Education

Department: Dept of Health & Kinesiology

KIN 578 Motor Development (3 Credits)**Lecture:** 3

Motor Development (3) Hereditary and environmental determinants of motor development; motor and behavior skills of infants, children, adolescents, and adults; changes in size, body build, fitness, and motor performances. Current theories of motor performances.

College/School: College Of Education

Department: Dept of Health & Kinesiology

KIN 631 Curr Study In Admin Of Phy Edu (3 Credits)**Lecture:** 3

Current Studies in the Administration of Health and Physical Education (3) Studies of representative programs of physical education and a discussion of standards for evaluating such programs, offered for administrative officers, as well as for teachers and directors of physical education.

College/School: College Of Education

Department: Dept of Health & Kinesiology

KIN 632 Supv Of Hlth & Phys Ed (3 Credits)**Lecture:** 3

Supervision of Health and Physical Education (3) A critical study of methods of instruction and procedures in supervision. Provision is made for the required observation of and participation in physical education classes.

College/School: College Of Education

Department: Dept of Health & Kinesiology

KIN 633 Curr Cont Mthd Hlth & Phy Edu (3 Credits)**Lecture:** 3

Curriculum Content and Methods in Health and Physical Education (3) An analysis of curriculum theory and design for physical education.

College/School: College Of Education

Department: Dept of Health & Kinesiology

KIN 638 Physiology Of Exercise II (3 Credits)**Lecture:** 3

Physiology of Exercise (3) A study of the effects of exercise on the organism.

College/School: College Of Education

Department: Dept of Health & Kinesiology

KIN 676 Motivational Aspects Phys (3 Credits)**Lecture:** 3

College/School: College Of Education

Department: Dept of Health & Kinesiology

KIN 831 Research Planning (3 Credits)**Lecture:** 3

Research Planning in Health, Human Performance, and Recreation (3) Research design applicable to HPE. Provides a conceptual understanding of theories, tools, and processes involved in designing research studies.

College/School: College Of Education

Department: Dept of Health & Kinesiology

KIN 833 Sport Management & Marketing (3 Credits)**Lecture:** 3

Sports Management and Marketing (3) Presentation of cognitive data and experiences in relation to sports and athletic marketing/ management. The problem approach is used as the primary technique in methodology in the solution of marketing/management problems.

College/School: College Of Education

Department: Dept of Health & Kinesiology

KIN 890 Thesis in Human Performance (3 Credits)**Lecture:** 3

College/School: College Of Education

Department: Dept of Health & Kinesiology

Management (MGMT)

MGMT 636 Organizational & Mgmt Theory (3 Credits)**Lecture:** 3, **Lab:** 0

ORGANIZATIONAL AND MANAGEMENT THEORY (3) Individual, group and inter-group behavior within organizations in the context of technological change, workforce diversity, ethical challenges, and globalization.

Prerequisite(s): MGMT 300

College/School: JHJ School Of Business

Department: Dept of Business Admin.

MGMT 646 Graduate Seminar in Mgmt (3 Credits)**Lecture:** 3

GRADUATE SEMINAR IN MANAGEMENT (3) In-depth exploration of selected topics in organization and management theory with special emphasis on leadership and ethics.

College/School: JHJ School Of Business

Department: Dept of Business Admin.

MGMT 650 Human Resource Management (3 Credits)**Lecture:** 3

STRATEGIC MARKETING MANAGEMENT (3) Key marketing problems of domestic and international organizations, including those arising from issues related to globalization, environmental protection, ethical issues, social trends, and legal constraints.

College/School: JHJ School Of Business

Department: Dept of Business Admin.

MGMT 670 Global Strategic Mgmt (3 Credits)**Lecture:** 3, **Lab:** 0

670 GLOBAL STRATEGIC MANAGEMENT (3) A cross-functional approach to the analysis of strategic decision making in the context of a global economy.

Prerequisite(s): MGMT 636 and FIN 652 and ACCT 631 and MKTG 650

College/School: JHJ School Of Business

Department: Dept of Business Admin.

Management Information Systems (MIS)

MIS 671 Introduction to MIS (3 Credits)**Lecture:** 3

INFORMATION TECHNOLOGY (3) The use of information technology to analyze business problems. It includes the development of computer software skills.

College/School: JHJ School Of Business

Department: Dept of Business Admin.

MIS 672 Application Programming (3 Credits)**Lecture:** 3

A review of programming features and their application to business application development and functionality. (Prerequisite: MIS 304)

Prerequisite(s): MGSC 304**College/School:** JHJ School Of Business**Department:** Dept of Business Admin.**MIS 674 Data Communications (3 Credits)****Lecture:** 3

DATA COMMUNICATIONS (3) Managerial and technological issues related to the operation and maintenance of computer networks. Topics covered include WAN, LAN, Internet and related architectures and protocols. (Prerequisite: MIS 304.)

Prerequisite(s): MGSC 304**College/School:** JHJ School Of Business**Department:** Dept of Business Admin.**MIS 675 Database Management Systems (3 Credits)****Lecture:** 3

DATABASE MANAGEMENT SYSTEMS (3) Database concepts and principles in database design with exposure to a popular relational database like "Oracle." (Prerequisite: MIS 304.)

Prerequisite(s): MGSC 304**College/School:** JHJ School Of Business**Department:** Dept of Business Admin.**MIS 676 Web Design & Development (3 Credits)****Lecture:** 3

WEB DESIGN AND DEVELOPMENT (3) Web applications and design using tools such as HTML, Cascading Style Sheets, JavaScript and DHTML. (Prerequisite: MIS 672.)

Prerequisite(s): MIS 672**College/School:** JHJ School Of Business**Department:** Dept of Business Admin.**MIS 677 E-Commerce (3 Credits)****Lecture:** 3

E-COMMERCE (3) Exposure to the use of Internet for business-to-business communications, logistics and supply chain management, financial markets, digital payments, marketing etc. (Prerequisites: MIS 304.)

Prerequisite(s): MIS 304**College/School:** JHJ School Of Business**Department:** Dept of Business Admin.**MIS 678 SAP Applications in SCM (3 Credits)****Lecture:** 3

SAP APPLICATIONS IN SCM (3) Exposure to instructor-selected SCM modules in SAP. (Prerequisites: MGSC 625; MIS 675.)

Prerequisite(s): MGSC 625 and MIS 675**College/School:** JHJ School Of Business**Department:** Dept of Business Admin.**MIS 680 System Analysis & Development (3 Credits)****Lecture:** 3

SYSTEMS ANALYSIS AND DEVELOPMENT (3) An introduction to concepts and processes for analyzing and determining information requirements and using packages and application generators for system development. (Prerequisite: MIS 675.)

Prerequisite(s): MIS 675**College/School:** JHJ School Of Business**Department:** Dept of Business Admin.**MIS 681 IT Project Management (3 Credits)****Lecture:** 3

IT PROJECT MANAGEMENT (3) Approaches to managing IT projects including outsourcing and subcontracting strategies. Students will also be exposed to project management tools. (Prerequisite: MIS 680.)

Prerequisite(s): MIS 680**College/School:** JHJ School Of Business**Department:** Dept of Business Admin.**MIS 683 Current Topics in MIS (3 Credits)**

CURRENT TOPICS IN MIS (3) An instructor-selected topic dealing with current issues and/or developments in the MIS area. (Prerequisites: Completion of at least nine (9) credit hours of coursework in the MIS program and/or consent of instructor.)

College/School: JHJ School Of Business**Department:** Dept of Business Admin.**MIS 684 Internship in MIS (3 Credits)****Lecture:** 3

INTERNSHIP IN MIS AREA (3) Completion of the equivalent of one long semester or an entire summer internship in the information technology area in a carefully selected organization. (Prerequisite: Completion of at least 18 Credit Hours of coursework in the MIS program.)

College/School: JHJ School Of Business**Department:** Dept of Business Admin.**MIS 685 Management of Info System (3 Credits)****Lecture:** 3

MANAGEMENT OF INFORMATION SYSTEMS (3) Strategic management of information resources to facilitate corporate competitiveness in the global environment. Capstone course to be taken in the student's last semester of the program. (Prerequisite: Completion of at least 24 Credit Hours of coursework in the MIS program.)

College/School: JHJ School Of Business**Department:** Dept of Business Admin.**MIS 686 Data Analytics and Visualization (3 Credits)****Lecture:** 3

This course provides an overview of gathering, cleaning, describing, integrating data, and, developing data models. Students will apply descriptive statistical tools to get a comprehensive understanding of the datasets and visualize those using data visualization tools. Students will be introduced to real-world datasets and will have hands-on experience in using them in building preliminary decision models. (Prerequisite: MGSC 624) Three hours per week.

College/School: JHJ School Of Business**Department:** Dept of Business Admin.**MIS 688 Applied Predictive Analytics (3 Credits)****Lecture:** 3

In this course students will be introduced to popular data mining methods such as classification, association, and clustering techniques. Students will use relevant software for data mining exercises. Students will develop and apply trend and regression analysis, and, forecasting techniques in business problem solving. (Prerequisite: MGSC 624) Three hours per week.

College/School: JHJ School Of Business**Department:** Dept of Business Admin.

Management Science (MGSC)

MGSC 624 Statistical Methods (3 Credits)

Lecture: 3, **Lab:** 0

STATISTICAL ANALYSIS (3) Use of statistical techniques for business research, analysis, and forecasting. It includes regression analysis and other econometric tools and the use of computer software.

Prerequisite(s): MGSC 239 and MGSC 302

College/School: JHJ School Of Business

Department: Dept of Business Admin.

MGSC 625 Supply Chain Management (3 Credits)

Lecture: 3, **Lab:** 0

SUPPLY CHAIN MANAGEMENT (3) The course will provide an introduction to Supply Chain Management and the role of information systems in managing supply chains.

Prerequisite(s): MGSC 302

College/School: JHJ School Of Business

Department: Dept of Business Admin.

MGSC 654 Spec Topics in Quantative Anal (3 Credits)

Lecture: 3

SPECIAL TOPICS IN QUANTITATIVE ANALYSIS (3) In-depth exploration of selected topics in quantitative analysis. Prerequisite: MGSC 624

Prerequisite(s): MGSC 624

College/School: JHJ School Of Business

Department: Dept of Business Admin.

MGSC 671 Mgmt Info Systems (3 Credits)

Lecture: 3, **Lab:** 0

INFORMATION TECHNOLOGY (3) The use of information technology to analyze business problems. Includes the development of computer software skills.

Prerequisite(s): MGSC 239 and MGSC 302

College/School: JHJ School Of Business

Department: Dept of Business Admin.

Marketing (MKTG)

MKTG 634 Marketing Research (3 Credits)

Lecture: 3, **Lab:** 0

MARKETING RESEARCH (3) Application of research and analytical decision-making techniques to marketing problems. (Prerequisites: MKTG 306; MGSC 239; MIS 671 or concurrent enrollment.)

Prerequisite(s): MKTG 306 and MGSC 239 and MGSC 671 (may be taken concurrently)

College/School: JHJ School Of Business

Department: Dept of Business Admin.

MKTG 650 Sem Mktg Probs (3 Credits)

Lecture: 3, **Lab:** 0

STRATEGIC MARKETING MANAGEMENT (3) Key marketing problems of domestic and international organizations, including those arising from issues related to globalization, environmental protection, ethical issues, social trends, and legal constraints. (Prerequisites: MKTG 306 or equivalent.)

Prerequisite(s): MKTG 306

College/School: JHJ School Of Business

Department: Dept of Business Admin.

MKTG 655 ENTREPRENEURIAL (3 Credits)

Lecture: 3, **Lab:** 0

College/School: JHJ School Of Business

Department: Dept of Business Admin.

Mathematics (MATH)

MATH 532 Intr to Number Systems (3 Credits)

Lecture: 3

INTRODUCTION TO NUMBER SYSTEMS (3) Background concepts and terminology in sets, relations, mapping. Cartesian products; equivalence relations; elementary properties of the counting numbers; numeration systems; arithmetic in base 10 and bases other than 10; divisibility and primes; Euclidean Algorithm; Fundamental Theorem of Arithmetic consequences; the ring of integers modulo m ; Fermat's Theorem, elementary properties of the rational numbers; existence of irrational numbers.

College/School: Col of Science, Engr & Tech

Department: Department of Mathematics

MATH 536 Geom For Tchrs (3 Credits)

Lecture: 3, **Lab:** 0

GEOMETRY FOR TEACHERS (3) Foundations of geometry, nature of proof, coordinate systems, Euclidean, non-Euclidean and protective geometry.

College/School: Col of Science, Engr & Tech

Department: Department of Mathematics

MATH 577 Fourier Series (3 Credits)

Lecture: 3, **Lab:** 0

FOURIER SERIES (3) Study of approximations of functions by orthogonal systems of functions; Fourier series; orthonormal systems and generalized Fourier series, applications to boundary value problems.

(Prerequisites: MATH 314 and 333)

Prerequisite(s): (MATH 314 and MATH 333)

College/School: Col of Science, Engr & Tech

Department: Department of Mathematics

MATH 578 Laplace Transforms (3 Credits)

Lecture: 3, **Lab:** 0

LAPLACE TRANSFORMS (3) Definitions and elementary properties; transform of discontinuous functions; inverse transformations; convolution theorems, application to ordinary differential equations. (Prerequisite: MATH 439)

Prerequisite(s): (MATH 439)

College/School: Col of Science, Engr & Tech

Department: Department of Mathematics

MATH 599 Research & Conferences (3 Credits)

Lecture: 3, **Lab:** 0

RESEARCH AND CONFERENCE (3) May not be repeated for graduate credit. (Prerequisite: Graduate standing and twelve [12] hours of senior undergraduate or graduate mathematics)

College/School: Col of Science, Engr & Tech

Department: Department of Mathematics

MATH 631 Intro To The Found Of Math (3 Credits)

Lecture: 3, **Lab:** 0

INTRODUCTION TO THE FOUNDATIONS OF MATHEMATICS (3) Evolution of Mathematical ideals and methods, relations to logic; the axiomatic method; the infinite paradoxes; contradictions. (Prerequisite: Graduate standing)

College/School: Col of Science, Engr & Tech

Department: Department of Mathematics

MATH 633 Theory Functions Real Variable (3 Credits)**Lecture:** 3, **Lab:** 0

THEORY OF FUNCTIONS OF REAL NUMBERS (3) The fundamental part of the theory of functions of a real variable; the topology of the real line, limit, continuity, differentiation, Lebesgue measure, the Lebesgue integral. (Prerequisite: MATH 439)

Prerequisite(s): (MATH 439)**College/School:** Col of Science, Engr & Tech**Department:** Department of Mathematics**MATH 634 Theory Functions Complex Var (3 Credits)****Lecture:** 3, **Lab:** 0

THEORY OF FUNCTIONS OF COMPLEX VARIABLES (3) The fundamental part of the theory of functions of a complex variable; complex number system, limits continuity, derivatives of complex functions, integration in the complex domain. (Prerequisite: MATH 460 or consent of instructor)

Prerequisite(s): (MATH 460)**College/School:** Col of Science, Engr & Tech**Department:** Department of Mathematics**MATH 636 Point Set Topology (3 Credits)****Lecture:** 3, **Lab:** 0

TOPOLOGY (3) Introduction to the study of point set topology: topological spaces, metric space, the topology of the real line and real plane, continuous functions, homeomorphisms, product spaces, compactness, connectivity, separation theorems. (Prerequisites: MATH 462 and MATH 439 or instructor's consent)

Prerequisite(s): (MATH 439 and MATH 462)**College/School:** Col of Science, Engr & Tech**Department:** Department of Mathematics**MATH 637 Functional Analysis (3 Credits)****Lecture:** 3, **Lab:** 0

FUNCTIONAL ANALYSIS (3) Introduction to functional analysis: finite and infinite dimensional vector spaces norms and inner products, Banach space, Hilbert space, L-space, linear operators. (Prerequisites: MATH 636 and MATH 633 or instructor's consent)

Prerequisite(s): (MATH 636 and MATH 633)**College/School:** Col of Science, Engr & Tech**Department:** Department of Mathematics**MATH 638 Partial Differential Equations (3 Credits)****Lecture:** 3, **Lab:** 0

PARTIAL DIFFERENTIAL EQUATIONS (3) Definitions of equations and their solutions: method of Jacobi and Monge, solutions by quadrature, existence theorems, separation of variables, elliptic, parabolic and hyperbolic systems, and operational methods. (Prerequisites: MATH 376 and MATH 333)

Prerequisite(s): (MATH 333 and MATH 376)**College/School:** Col of Science, Engr & Tech**Department:** Department of Mathematics**MATH 732 Theory Of Numbers (3 Credits)****Lecture:** 3, **Lab:** 0

THEORY OF NUMBERS (3) Elementary properties of integers, the theorems of Fermat and Wilson the theory of congruencies, quadratic residues, the reciprocity theorem, Diophantine equations, definite and indefinite binary quadratic forms, ternary quadratic forms, regular and irregular forms. (Prerequisite: MATH 331)

Prerequisite(s): (MATH 331)**College/School:** Col of Science, Engr & Tech**Department:** Department of Mathematics**MATH 733 Abstract Algebra (3 Credits)****Lecture:** 3, **Lab:** 0

ABSTRACT ALGEBRA (3) Advanced topics in modern algebra: generally the topics will be in one or more of the areas: group theory, theory of rings and fields, homological algebra. (Prerequisite: MATH 475)

Prerequisite(s): (MATH 475)**College/School:** Col of Science, Engr & Tech**Department:** Department of Mathematics**MATH 790 Independent Study Grad (3 Credits)****Lecture:** 3, **Lab:** 0

INDEPENDENT STUDY: Graduate standing / approval of advisor.

College/School: Col of Science, Engr & Tech**Department:** Department of Mathematics**MATH 831 Theory Of Probability (3 Credits)****Lecture:** 3, **Lab:** 0

THEORY OF PROBABILITY (3) Theory of expectation, dependent and independent variables, Chebyshev's inequality, the probability integral applications to statistical theory. (Prerequisite: MATH 473 and 474)

Prerequisite(s): (MATH 473 and MATH 474)**College/School:** Col of Science, Engr & Tech**Department:** Department of Mathematics**MATH 832 Finite Differences (3 Credits)****Lecture:** 3, **Lab:** 0

FINITE DIFFERENCES (3) Tables of differences, difference formulas, finite integration with applications, interpolation, approximate integration, beta and gamma functions, difference equations.

College/School: Col of Science, Engr & Tech**Department:** Department of Mathematics**MATH 833 Mathematical Statistics (3 Credits)****Lecture:** 3, **Lab:** 0

MATHEMATICAL STATISTICS (3) Moments, distributions of functions of random variable, interval estimation, limiting distributions, sufficient statistics, point estimation, and statistical hypothesis. (Prerequisite: MATH 474)

Prerequisite(s): (MATH 474)**College/School:** Col of Science, Engr & Tech**Department:** Department of Mathematics**MATH 861 Research Problems (3,6 Credits)****Lecture:** 0, **Lab:** 0

RESEARCH PROBLEMS (3) Investigation by the student of a specific problem in mathematics. (Prerequisite: Approval of the department chairperson)

College/School: Col of Science, Engr & Tech**Department:** Department of Mathematics**MATH 5331 Intro to Analysis I (3 Credits)****Lecture:** 3, **Lab:** 0

An introduction to real analysis. Topics covered in this course are real numbers, sequences, limits, continuity, and differentiation. This course is intended to be an introduction to real analysis. Student Learning outcomes: After successfully completing the course students should be familiar with epsilon-delta notation, Weierstrass Theorem, Heine Borel Theorem, Compactness, Differentiability, Continuity, Uniform Continuity, The Mean Value Theorem. (Prerequisite: MATH 331 (MATH 3331) and MATH 243).

Prerequisite(s): (MATH 3331 or MATH 331) and MATH 243**College/School:** Col of Science, Engr & Tech**Department:** Department of Mathematics

MATH 5332 Intro to Analysis II (3 Credits)**Lecture:** 3

This is the second part of a two-semester course in Introduction to Real Analysis. Topics include real number system; sequences and series; limit, continuity and differentiation; the Riemann integral; sequences and series of functions; elementary metric space theory including compactness, connectedness and completeness; differentiation and integration of functions of several variables. (Prerequisite: MATH 5331)

Prerequisite(s): MATH 5331**College/School:** Col of Science, Engr & Tech**Department:** Department of Mathematics**MATH 6332 Graph Theory (3 Credits)****Lecture:** 3

This course is intended for graduate students and will prepare you for further study in mathematics, science, technology, engineering, and business courses. (Prerequisite: MATH 2318 (formerly MATH 250) & MATH 331) or Department/Instructor Consent.

Prerequisite(s): (MATH 2318 or MATH 250) and MATH 331**College/School:** Col of Science, Engr & Tech**Department:** Department of Mathematics**MATH 6337 Abstract Algebra II (3 Credits)****Lecture:** 3

This course is intended for graduate students to expand their understanding of mathematical proofs in modern algebra: generally the topics will be in one or more of the areas: group theory, theory of rings and fields, homological algebra. (Prerequisite: MATH 733 or MATH 6336)

Prerequisite(s): (MATH 733 or MATH 6336)**College/School:** Col of Science, Engr & Tech**Department:** Department of Mathematics**MATH 6364 Numerical Analysis (3 Credits)****Lecture:** 3

This course is intended for graduate students core areas of numerical analysis and scientific computing along with basic themes such as solving nonlinear equations, interpolation and splines fitting, curve fitting, numerical differentiation and integration, initial value problems of ordinary differential equations, direct methods for solving linear systems of equations, and finite-difference approximation to a two-points boundary value problem. This is an introductory course and will be a mix of mathematics and computing. (Prerequisite: MATH 251 (MATH 2320)) or Department Consent.

Prerequisite(s): MATH 251 or MATH 2320**College/School:** Col of Science, Engr & Tech**Department:** Department of Mathematics**MATH 6377 Advanced Linear Algebra I (3 Credits)****Lecture:** 3

This course is intended for graduate students to expand their understanding of mathematical proofs in Linear systems of equations, matrices, determinants, vector spaces and linear transformations, eigenvalues and eigenvectors. (Prerequisite: MATH 2318 (formerly MATH 250) and MATH 631) or Department Consent.

Prerequisite(s): (MATH 2318 or MATH 250) and MATH 631**College/School:** Col of Science, Engr & Tech**Department:** Department of Mathematics**MATH 6378 Advanced Linear Algebra II (3 Credits)****Lecture:** 3

This course is intended for graduate students as a continuation of MATH 6377 to Determinants, eigenvalues, eigenvectors, and diagonalization, canonical forms, and inner product and norm, Gram-Schmidt process. (Prerequisite: MATH 6377) or Department Consent.

Prerequisite(s): MATH 6377**College/School:** Col of Science, Engr & Tech**Department:** Department of Mathematics

Music (MUSI)

MUSI CC Concert Choir (1 Credits)**Lecture:** 0, **Lab:** 3

Concert Choir (1) An organization of specially selected singers performing major concerts on and off campus. Three hours of laboratory per week. May be repeated for credit. Prerequisite: Consent of the instructor.

College/School: Liberal Arts & Behavioral Scie**Department:** Department of Music**MUSI JBB Jazz Big Band (1 Credits)****Lecture:** 0, **Lab:** 30

University Jazz Ensemble Big Band (1) Performing original and standard charts from the Big Band Era, through contemporary styles. Prerequisite: Jazz Music major or minor status or approval by audition.

College/School: Liberal Arts & Behavioral Scie**Department:** Department of Music**MUSI JEC Jazz Ensemble Combo (1 Credits)****Lecture:** 0, **Lab:** 30

University Jazz Ensemble Combo (1) Performing jazz compositions from the bebop era through the contemporary. Prerequisite: Jazz Music major or minor status or approval by audition.

College/School: Liberal Arts & Behavioral Scie**Department:** Department of Music**MUSI LJE Latin Jazz Ensemble (1 Credits)****Lecture:** 0, **Lab:** 30

University Latin Jazz Ensemble (1) Performing Latin Jazz arrangements, covering traditional and contemporary materials. Prerequisite: Jazz Music major or minor status or approval by audition.

College/School: Liberal Arts & Behavioral Scie**Department:** Department of Music**MUSI OW Opera Workshop (1 Credits)****Lecture:** 0, **Lab:** 3

Opera Workshop (1) A small musical ensemble performing operatic repertoire on and off campus. Membership based on audition. Three hours of laboratory per week. May be repeated for credit. Prerequisite: Consent of the instructor. Listed as MUSI 1157 and MUSI 1158 in the Texas Common Course Numbering System.

College/School: Liberal Arts & Behavioral Scie**Department:** Department of Music**MUSI UB University Band (1 Credits)****Lecture:** 0, **Lab:** 3

University Band (1) A musical ensemble required of all majors and open to all university students based on audition. Three hours of laboratory per week. May be repeated for credit. Prerequisite: Consent of the instructor.

College/School: Liberal Arts & Behavioral Scie**Department:** Department of Music

MUSI UC University Choir (1 Credits)**Lecture:** 0, **Lab:** 3

University Choir (1) A music choral laboratory, required of majors and open to all university students, performing a wide range of standard, sacred, and secular repertoire. Three hours of laboratory per week. May be repeated for credit. Prerequisite: Consent of the instructor.

College/School: Liberal Arts & Behavioral Scie**Department:** Department of Music**MUSI UJ University Jazz Ensemble (1 Credits)****Lecture:** 0, **Lab:** 3**College/School:** Liberal Arts & Behavioral Scie**Department:** Department of Music**MUSI UO University Orchestra (1 Credits)****Lab:** 1

University Chamber Orchestra (1) An instrumental ensemble open to music majors and all university students based on audition. Performs "Classical," "Sacred," and "Jazz" musical genres. Two hours of laboratory per week. May be repeated for credit. Prerequisite: Consent of the instructor.

College/School: Liberal Arts & Behavioral Scie**Department:** Department of Music**MUSI VJE Vocal Jazz Ensemble (1 Credits)****Lecture:** 0, **Lab:** 30

University Vocal Jazz Ensemble (1) Performing jazz compositions and arrangements for voices. Prerequisite: Jazz Music major or minor status or approval by audition.

College/School: Liberal Arts & Behavioral Scie**Department:** Department of Music**MUSI 100 Seminar I (1 Credits)****Lecture:** 1, **Lab:** 0

Seminar I (0-1) Introductory course for majors which provides enrichment through the art of performing. May be repeated for up to three semester credits earned. During freshman and sophomore years of enrollment, counted as 0 credit; during junior and senior years of enrollment, counted as 1 semester credit. One hour of lecture per week.

College/School: Liberal Arts & Behavioral Scie**Department:** Department of Music**MUSI 102 Seminar III (1 Credits)****Lecture:** 1, **Lab:** 0**College/School:** Liberal Arts & Behavioral Scie**Department:** Department of Music**MUSI 131 Introduction To Music (3 Credits)****Lecture:** 3, **Lab:** 0

Introduction to Music (3) Survey of basic materials and the fundamentals of music. Open to all students, and required of majors. Students may test out. Three hours of lecture per week. Listed as MUSI 1301 in the Texas Common Course Numbering System.

College/School: Liberal Arts & Behavioral Scie**Department:** Department of Music**MUSI 132 Intro To Computer Music (3 Credits)****Lecture:** 3, **Lab:** 0

Introduction to Computer Music (3) Introductory survey of computers and computer peripherals as used in various musical disciplines, including the fundamentals of computer literacy and music software applications. Three hours of lecture per week. Prerequisite: MUSI 131 or consent of the instructor. Listed as MUSI 1302 in the Texas Common Course Numbering System.

Prerequisite(s): MUSI 131**College/School:** Liberal Arts & Behavioral Scie**Department:** Department of Music**MUSI 141 Theory I (2 Credits)****Lecture:** 2

Theory I (3) Music theory, including basic musicianship, correlating diction, sight-singing, written and keyboard diatonic harmony, and harmonic analysis. Two hours of lecture and two hours of laboratory per week. Prerequisite: MUSI 131 or passage of Theory Exam. Listed as MUSI 1311 in the Texas Common Course Numbering System.

College/School: Liberal Arts & Behavioral Scie**Department:** Department of Music**MUSI 142 Theory II (2 Credits)****Lecture:** 2

Theory II (3) Continuation of MUSI 141. Two hours of lecture and two hours of laboratory per week. Prerequisite: MUSI 141. Listed as MUSI 1312 in the Texas Common Course Numbering System.

Prerequisite(s): (MUSI 141 and MUSI 146)**College/School:** Liberal Arts & Behavioral Scie**Department:** Department of Music**MUSI 146 Ear Training/Sight Singing I (1 Credits)****Lecture:** 1, **Lab:** 0

Ear Training and Sight Singing I (1) An aural skills course, to be taken concurrently with music theory. Includes ear training, sight singing and dictation. One hour of lecture and one hour of laboratory per week.

Corequisite: MUSI 141. Listed as MUSI 1116 in the Texas Common Course Numbering System.

College/School: Liberal Arts & Behavioral Scie**Department:** Department of Music**MUSI 147 Ear Training/Sight Singing II (1 Credits)****Lecture:** 1, **Lab:** 0

Ear Training and Sight Singing II (1) Continuation of MUSI 146, to be taken concurrently with music theory. One hour of lecture and one hour of laboratory per week. Prerequisites: MUSI 141 and MUSI 146. Corequisite: MUSI 142. Listed as MUSI 1117 in the Texas Common Course Numbering System.

Prerequisite(s): (MUSI 141 and MUSI 146)**College/School:** Liberal Arts & Behavioral Scie**Department:** Department of Music**MUSI 150 Composition I (2 Credits)****Lecture:** 0, **Lab:** 1

Composition I (2) Individual study of the techniques of vocal, instrumental, and electronic music composition in various styles. One hour of laboratory/private lessons per week. Prerequisite: Consent of the instructor. Listed as MUSI 1386 in the Texas Common Course Numbering System.

College/School: Liberal Arts & Behavioral Scie**Department:** Department of Music

MUSI 151 Composition II (2 Credits)**Lecture:** 0, **Lab:** 1

Composition II (2) Continuation of MUSI 150. One hour of laboratory/private lessons per week. Prerequisite: MUSI 150. Listed as MUSI 2386 in the Texas Common Course Numbering System.

Prerequisite(s): MUSI 150**College/School:** Liberal Arts & Behavioral Scie**Department:** Department of Music**MUSI 171 Class Piano I (1 Credits)****Lecture:** 0, **Lab:** 2

Class Piano I (1) Study of keyboard functional skills such as harmonization, sight reading, improvisation, and transposition and how they relate to general musicianship. May be substituted for MUSA 111 when specified for the piano. Two hours of laboratory per week. Listed as MUSI 1181 in the Texas Common Course Numbering System.

College/School: Liberal Arts & Behavioral Scie**Department:** Department of Music**MUSI 172 Class Piano II (1 Credits)****Lab:** 2

Class Piano II (1) Continuation of MUSI 171. May be substituted for MUSA 112 when specified for the piano. Two hours of laboratory per week. Prerequisite: MUSI 171. Listed as MUSI 1182 in the Texas Common Course Numbering System.

Prerequisite(s): MUSI 171**College/School:** Liberal Arts & Behavioral Scie**Department:** Department of Music**MUSI 173 Voice Class I (1 Credits)****Lecture:** 0, **Lab:** 2

Voice Class I (1) Designed to teach the fundamental skills of tone production, breathing, posture, and to enhance the repertory by teaching simple songs in the classroom. Two hours of laboratory per week. Listed as MUSI 1183 in the Texas Common Course Numbering System.

College/School: Liberal Arts & Behavioral Scie**Department:** Department of Music**MUSI 174 Class Voice II (1 Credits)****Lecture:** 0, **Lab:** 2

Voice Class II (1) Continuation of MUSI 173. Two hours of laboratory per week. Prerequisite: MUSI 173. Listed as MUSI 1184 in the Texas Common Course Numbering System.

Prerequisite(s): MUSI 173**College/School:** Liberal Arts & Behavioral Scie**Department:** Department of Music**MUSI 223 Brass & Percussion (2 Credits)****Lecture:** 2, **Lab:** 1

Brass and Percussion (2) Practical performance course for majors, including principles of intonation, fingering, breathing, embouchure, transposition, sticking, and rudiments. Elementary proficiency on brass and percussion instruments taught. Offered during odd-numbered years only. Two hours of lecture and one hour of laboratory per week.

College/School: Liberal Arts & Behavioral Scie**Department:** Department of Music**MUSI 224 Woodwind Instruments (2 Credits)****Lecture:** 2, **Lab:** 1

Woodwind Instruments (2) Study of basic performance of woodwind instruments, including the concepts and procedures for woodwind instruction. Offered during even-numbered years only. Two hours of lecture and one hour of laboratory per week.

College/School: Liberal Arts & Behavioral Scie**Department:** Department of Music**MUSI 225 String Instrument (2 Credits)****Lecture:** 2, **Lab:** 1

String Instruments (2) Instruction in performing, teaching, and scoring for violin, viola, cello, and string bass. Organization, program planning, and terminology emphasized. Two hours of lecture and one hour of laboratory per week.

College/School: Liberal Arts & Behavioral Scie**Department:** Department of Music**MUSI 228 Jazz Improvisation I (2 Credits)****Lecture:** 2, **Lab:** 0

Jazz Improvisation I (2) Basic techniques of improvisation of various styles, historical developments, and contributions. Two hours of lecture per week. Prerequisites: MUSI 141 and MUSI 142.

Prerequisite(s): (MUSI 141 and MUSI 146 and MUSI 142 and MUSI 147)**College/School:** Liberal Arts & Behavioral Scie**Department:** Department of Music**MUSI 229 Jazz Improvisation II (2 Credits)****Lecture:** 2

Jazz Improvisation II (2) Continuation of MUSI 228. Prerequisite: MUSI 228.

Prerequisite(s): MUSI 228**College/School:** Liberal Arts & Behavioral Scie**Department:** Department of Music**MUSI 235 African American Women in Music: 1865-Present (2-3 Credits)****Lecture:** 2-3

This course will explore the history of African American women in music (19th century to present-day) and their influence on social, political, cultural, and economic perceptions and change. Variable credit hour course 2-3 credit hours per week.

College/School: Liberal Arts & Behavioral Scie**Department:** Department of Music**MUSI 241 Theory III (2 Credits)****Lecture:** 2

Theory III (3) Continuation of the integrated course begun in MUSI 141 and MUSI 142, including chromatic harmony, analysis, and the expression of musical ideas in elementary forms. Two hours of lecture and two hours of laboratory per week. Prerequisites: MUSI 141 and MUSI 142. Listed as MUSI 2311 in the Texas Common Course Numbering System.

Prerequisite(s): (MUSI 142 and MUSI 147)**College/School:** Liberal Arts & Behavioral Scie**Department:** Department of Music**MUSI 242 Theory IV (2 Credits)****Lecture:** 2

Theory IV (3) Continuation of MUSI 241. Two hours of lecture and two hours of laboratory per week. Prerequisite: MUSI 241. Listed as MUSI 2312 in the Texas Common Course Numbering System.

Prerequisite(s): (MUSI 241 and MUSI 246)**College/School:** Liberal Arts & Behavioral Scie**Department:** Department of Music

MUSI 246 Ear Training/Sight Singing III (1 Credits)**Lecture:** 1

Ear Training and Sight Singing III (1) Continuation of MUSI 147, with greater complexity in rhythms and chromatic harmony, to be taken concurrently with music theory. One hour of lecture and one hour of laboratory per week. Prerequisites: MUSI 142 and MUSI 147. Corequisite: MUSI 241. Listed as MUSI 2116 in the Texas Common Course Numbering System.

Prerequisite(s): (MUSI 142 and MUSI 147)

College/School: Liberal Arts & Behavioral Scie

Department: Department of Music

MUSI 247 Ear Training/Sight Singing IV (1 Credits)**Lecture:** 1

Ear Training and Sight Singing IV (1) Continuation of MUSI 246, to be taken concurrently with music theory. One hour of lecture and one hour of laboratory per week. Prerequisites: MUSI 241 and MUSI 246. Corequisite: MUSI 242. Listed as MUSI 2117 in the Texas Common Course Numbering System.

Prerequisite(s): (MUSI 241 and MUSI 246)

College/School: Liberal Arts & Behavioral Scie

Department: Department of Music

MUSI 250 Composition III (2 Credits)**Lecture:** 2, **Lab:** 0

Composition III (2) Continuation of the integrated course begun in MUSI 150, MUSI 151, and MUSI 152. Two hours of lecture/private lessons per week. Prerequisites: MUSI 150, MUSI 151, and MUSI 152. Listed as MUSI 2186 in the Texas Common Course Numbering System.

Prerequisite(s): (MUSI 150 and MUSI 151 and MUSI 152)

College/School: Liberal Arts & Behavioral Scie

Department: Department of Music

MUSI 251 Composition IV (2 Credits)**Lecture:** 2, **Lab:** 0

Composition IV (2) Continuation of MUSI 250. Two hours of lecture/private lessons per week. Prerequisite: MUSI 250. Listed as MUSI 2187 in the Texas Common Course Numbering System.

Prerequisite(s): MUSI 250

College/School: Liberal Arts & Behavioral Scie

Department: Department of Music

MUSI 253 Jazz Theory (3 Credits)**Lecture:** 3

Jazz Theory I (3) Identification and application of basic harmonic, melodic and rhythmic elements. Required of jazz majors and minors. Open to all music majors as an elective. Prerequisite: MUSI 141 or consent of instructor.

College/School: Liberal Arts & Behavioral Scie

Department: Department of Music

MUSI 254 Jazz Composition (3 Credits)**Lecture:** 3, **Lab:** 0

Jazz Theory II (3) Composition study and analysis with application of advanced harmonic and rhythmic formats along with production of original student works. Prerequisite: MUSI 253.

Prerequisite(s): MUSI 253

College/School: Liberal Arts & Behavioral Scie

Department: Department of Music

MUSI 271 Class Piano III (1 Credits)**Lab:** 1

Class Piano III (3) Continuation of MUSI 172. May be substituted for MUSA 211 when specified. Two hours laboratory per week. Prerequisite: MUSI 172. Listed as MUSI 2181 in the Texas Common Course Numbering System.

College/School: Liberal Arts & Behavioral Scie

Department: Department of Music

MUSI 272 Class Piano IV (1 Credits)**Lab:** 1

Class Piano IV (3) Continuation of MUSI 271. May be substituted for MUSA 212 when specified. Two hours of laboratory per week. Prerequisite: MUSI 271. Listed as MUSI 2182 in the Texas Common Course Numbering System.

College/School: Liberal Arts & Behavioral Scie

Department: Department of Music

MUSI 300 Junior Recital (0 Credits)**Lecture:** 0, **Lab:** 0

Junior Recital (0) Solo recital required of students pursuing the B.A. in Music, Applied Performance Specialty. Must be taken concurrently with appropriate Applied Music course.

College/School: Liberal Arts & Behavioral Scie

Department: Department of Music

MUSI 322 Diction For Singers (3 Credits)**Lecture:** 3, **Lab:** 0

Diction for Singers (3) Application of vocal pronunciation and techniques of Italian, German, French, and English songs. Three hours of lecture per week. Offered during the spring semester only

College/School: Liberal Arts & Behavioral Scie

Department: Department of Music

MUSI 325 Song Literature (3 Credits)**Lecture:** 0, **Lab:** 4

Song Literature (3) Study of the evolution of solo singing and the art of song, as well as song repertoire for all voice classifications. Three hours of lecture per week. Offered during the fall semester only. Three hours of lecture per week.

College/School: Liberal Arts & Behavioral Scie

Department: Department of Music

MUSI 328 Instrumental Techniques (2 Credits)**Lecture:** 2, **Lab:** 0

Instrumental Techniques (2) Study of instrumental literature, management, rehearsal techniques, and problems of instrumental care and maintenance. Offered during the fall semester only. Two hours of lecture per week.

College/School: Liberal Arts & Behavioral Scie

Department: Department of Music

MUSI 329 Teaching Music In Elem Class (3 Credits)**Lecture:** 3, **Lab:** 0

Fundamentals of Music Techniques (3) Study of musical concepts and principles involving traditional and contemporary learning techniques with the provision of creative experiences through rhythm, song, and instrumental performance. Offered during the spring semester only. Three hours of lecture per week.

College/School: Liberal Arts & Behavioral Scie

Department: Department of Music

MUSI 331 Counterpoint (3 Credits)**Lecture:** 3, **Lab:** 0

Counterpoint (3) Study of tonal counterpoint in two, three, and four voices; analysis and composition of 18th century polyphony with emphasis on canon, invention, and fugue. Three hours of lecture per week. Prerequisite: MUSI 242.

Prerequisite(s): MUSI 242**College/School:** Liberal Arts & Behavioral Scie**Department:** Department of Music**MUSI 333 Form & Analysis (3 Credits)****Lecture:** 3, **Lab:** 0

Form and Analysis (3) Study of small and large musical forms in a tonal context with emphasis on binary, ternary, sonata-allegro, rondo forms, concerto, and variation procedures. Three hours of lecture per week.

Prerequisite: MUSI 242.

Prerequisite(s): MUSI 242**College/School:** Liberal Arts & Behavioral Scie**Department:** Department of Music**MUSI 335 Orchestration (3 Credits)****Lecture:** 3, **Lab:** 0

Orchestration (3) Practical study of writing and arranging for the orchestral instruments as well as score reading and analysis of effects heard in extensive orchestral recordings. Three hours of lecture per week.

Prerequisite: MUSI 242.

Prerequisite(s): MUSI 242**College/School:** Liberal Arts & Behavioral Scie**Department:** Department of Music**MUSI 336 Adv Jazz Improvisation (3 Credits)****Lecture:** 0, **Lab:** 20

Advanced Jazz Improvisation (2) Continuation of MUSI 229 with applications in advanced harmonic and rhythmic formats from bebop to contemporary.

College/School: Liberal Arts & Behavioral Scie**Department:** Department of Music**MUSI 337 History Of Music I (3 Credits)****Lecture:** 3, **Lab:** 0

History of Music I (3) Comprehensive study of the historical periods in music beginning with antiquity to the present. Listening, analysis, and research activities included. Three hours of lecture per week.

Prerequisites: MUSI 131, MUSI 141, and MUSI 142.

Prerequisite(s): (MUSI 141 and MUSI 146 and MUSI 142 and MUSI 147)**College/School:** Liberal Arts & Behavioral Scie**Department:** Department of Music**MUSI 338 History Of Music II (3 Credits)****Lecture:** 3, **Lab:** 0

History of Music II (3) Continuation of MUSI 337. Three hours of lecture per week. Prerequisite: MUSI 337.

Prerequisite(s): (MUSI 146 and MUSI 141 and MUSI 142 and MUSI 147)**College/School:** Liberal Arts & Behavioral Scie**Department:** Department of Music**MUSI 339 Music For Young Children (3 Credits)****Lecture:** 3, **Lab:** 0

Music for Young Children (3) Fundamental principles, methods, and materials of music for nursery and primary children with emphasis on contemporary and traditional methods for ages three through eight. Three hours of lecture per week.

College/School: Liberal Arts & Behavioral Scie**Department:** Department of Music**MUSI 343 Jazz History (3 Credits)****Lecture:** 3

Jazz History (3) A chronological examination of jazz styles and major artists of jazz from pre-jazz forms to the present. Offered as needed.

College/School: Liberal Arts & Behavioral Scie**Department:** Department of Music**MUSI 347 Basic Music Procedures (3 Credits)****Lecture:** 3, **Lab:** 0

Basic Music Procedures (3) Study of the development of basic music skills stressing the understanding of music fundamentals through activities in singing, listening, performing, and eurhythmics. Three hours of lecture per week.

College/School: Liberal Arts & Behavioral Scie**Department:** Department of Music**MUSI 350 Composition V (2 Credits)****Lecture:** 0, **Lab:** 1

Composition V (2) Continuation of MUSI 251. One hour of laboratory/private lessons per week. Prerequisite: MUSI 251.

Prerequisite(s): MUSI 251**College/School:** Liberal Arts & Behavioral Scie**Department:** Department of Music**MUSI 351 Composition VI (2 Credits)****Lecture:** 0, **Lab:** 1

Composition VI (2) Continuation of MUSI 350. One hour of laboratory/private lessons per week. Prerequisite: MUSI 350. Offered as needed.

Prerequisite(s): MUSI 350**College/School:** Liberal Arts & Behavioral Scie**Department:** (R)Department of Fine Arts**MUSI 355 Jazz Arranging (3 Credits)****Lecture:** 3

Jazz Arranging (3) Arranging compositions in various jazz styles and group combinations. Prerequisite: MUSI 253.

Prerequisite(s): MUSI 253**College/School:** Liberal Arts & Behavioral Scie**Department:** Department of Music**MUSI 390 Independent Study in Music I (2,3 Credits)****Lecture:** 2,3

Selected topics in music and music education. Developed to provide enhanced curricular options of the concentration for upper music majors. May be repeated. Variable hour course 2 to 3 credit hours.

College/School: Liberal Arts & Behavioral Scie**Department:** Department of Music**MUSI 400 Senior Recital (0 Credits)****Lecture:** 0, **Lab:** 0

Senior Recital (0) Solo recital required of all students pursuing the B.A. in Music. Must be taken concurrently with the appropriate Applied Music course.

College/School: Liberal Arts & Behavioral Scie**Department:** Department of Music**MUSI 401 Capstone Sem in Music (3 Credits)****Lecture:** 3

Capstone Seminar in Music (3) Directed research, reading, and discussion to integrate historical, stylistic, and theoretical concepts acquired throughout the major. The EXIT examination will be administered in this course.

College/School: Liberal Arts & Behavioral Scie**Department:** Department of Music

MUSI 431 Conducting Fundamentals (3 Credits)**Lecture:** 3, **Lab:** 0

Conducting Fundamentals (3) Fundamentals of choral and instrumental conducting, stylistic interpretation, terminology, instrumental transposition, score reading, and rehearsal skins. Three hours of lecture per week. Prerequisite: Junior standing.

College/School: Liberal Arts & Behavioral Scie**Department:** Department of Music**MUSI 435 Teaching Music Secondary Class (3 Credits)****Lecture:** 3, **Lab:** 0

Seminar in Music Studies (3) Study of the organization and activities of music for majors. Offered during the fall semester only. Three hours of lecture per week.

College/School: Liberal Arts & Behavioral Scie**Department:** Department of Music**MUSI 439 Piano-Voice Pedagogy (3 Credits)****Lecture:** 3, **Lab:** 0

Piano-Voice Pedagogy

Prerequisite(s): (MUSI 337)**College/School:** Liberal Arts & Behavioral Scie**Department:** Department of Music**MUSI 480 Business of Music (3 Credits)****Lecture:** 3, **Lab:** 0

Business of Music (3) A study of contracts, copyrights, and marketing for the career musical artist. Required of Jazz Studies music majors. Open to all students as an elective.

College/School: Liberal Arts & Behavioral Scie**Department:** Department of Music**MUSI 490 Independent Study in Music II (2,3 Credits)****Lecture:** 2,3

Selected topics in music education. Developed to provide enhanced curricular options in the concentration for upper music majors. May be repeated. Variable hour course 2 to 3 credit hours.

College/School: Liberal Arts & Behavioral Scie**Department:** Department of Music**MUSI 1306 Music Appreciation (3 Credits)****Lecture:** 3

Music Appreciation (3) Understanding traditional Western Classical music through study of the cultural periods, major composers and their works. A brief overview of musical styles from other world cultures will also be included. Illustrations of music examples will be presented through recordings, in-class performances and outside concert events. Three hours of lecture per week.

College/School: Liberal Arts & Behavioral Scie**Department:** Department of Music**MUSI 1315 Fine Arts In Daily Living (3 Credits)****Lecture:** 3

Fine Arts in Daily Living (3) Study of art, music, drama, and dance with emphasis on the interrelationship of these common elements and concepts and the contributions of noted artists. Three hours of lecture per week. Listed as HUMA 1301 in the Texas Common Course Numbering System.

College/School: Liberal Arts & Behavioral Scie**Department:** Department of Music**TCCN:** HUMA 1315

Pharmaceutical Chemistry (PHCH)

PHCH 531 Pharmaceutical Chemistry III (3 Credits)**Lecture:** 3

Pharmaceutical Chemistry III (3) Principles of medicinal chemistry and drug metabolism pathways. Application of chemical principles to specific drug categories. Three hours of lecture per week. Prerequisites: Successful completion of PHCH 411, PHCH 412, PHCH 431, and PHCH 432. Corequisite: Concurrent enrollment in PAS 537.

Prerequisite(s): (PHCH 431 and PHCH 432 (may be taken concurrently) and PHCH 411 and PHCH 412) and PAS 537 (may be taken concurrently)**College/School:** College Of Pharmacy/Hlth Sci.**Department:** (R)Dept of Pharmaceutical Sci**PHCH 532 Pharmaceutical Chemistry IV (3 Credits)****Lecture:** 3

Pharmaceutical Chemistry IV (3) Application of chemical principles to the central nervous system; non-steroidal, anti-inflammatory, chemotherapeutic, diagnostic, radio-pharmaceutical, and miscellaneous organic and inorganic medicinal agents. Three hours of lecture per week. Prerequisite: PHCH 531.

Prerequisite(s): (PHCH 531)**College/School:** College Of Pharmacy/Hlth Sci.**Department:** (R)Dept of Pharmaceutical Sci

Pharmaceutical Sciences (PHS)

PHS 800 Bioethics (3 Credits)**Lecture:** 3

The role of codes of professional conduct in the recognition, evaluation and resolution of conflicting ethical principles in research.

College/School: College Of Pharmacy/Hlth Sci.**Department:** Dpt of Pharmaceu Sc& Env HS**PHS 801 Biostatistics (3 Credits)****Lecture:** 3

Application of descriptive and inferential statistical principles to data collection, collation, and analysis.

College/School: College Of Pharmacy/Hlth Sci.**Department:** Dpt of Pharmaceu Sc& Env HS**PHS 802 Sem/Special Topics (1 Credits)****Lecture:** 1

Students' critical review of research papers and presentations on contemporary scientific issues. Seminars on research topics by outstanding scientists.

College/School: College Of Pharmacy/Hlth Sci.**Department:** Dpt of Pharmaceu Sc& Env HS**PHS 803 Seminar/Special Topics (1 Credits)****Lecture:** 1, **Lab:** 0

Students' critical review of research papers and presentations on contemporary scientific issues. Seminars on research topics by outstanding scientists.

College/School: College Of Pharmacy/Hlth Sci.**Department:** Dpt of Pharmaceu Sc& Env HS

PHS 804 Seminar/Grantsmanship (1 Credits)**Lecture: 1**

Student review and presentation of contemporary issues in / pharmaceutical sciences. Study of basic principles of developing a grant proposal with emphasis on goals/objectives, plan, data analysis, and budgeting.

College/School: College Of Pharmacy/Hlth Sci.

Department: Dpt of Pharmaceu Sc& Env HS

PHS 805 Seminar/Grantsmanship (1 Credits)**Lecture: 1**

Student review and presentation of contemporary issues in / pharmaceutical sciences. Study of basic principles of developing a grant proposal with emphasis on goals/objectives, plan, data analysis, and budgeting.

College/School: College Of Pharmacy/Hlth Sci.

Department: (R)Dept of Pharmaceutical Sci

PHS 806 Admin and the Biomed Scien (3 Credits)**Lecture: 3**

A course covering the elements and effective practice of management and administration, including decision-making processes, policy and program development, and selected aspects of behavior in organizations.

College/School: College Of Pharmacy/Hlth Sci.

Department: (R)Dept of Pharmaceutical Sci

PHS 807 Exp Design/Instr/Clin Measurmt (3 Credits)**Lecture: 3**

The study of the theoretical and practical applications of literature search, statistics, and planning/ design to research development are discussed. It prepares students to employ these tools in solving research problems.

College/School: College Of Pharmacy/Hlth Sci.

Department: Dpt of Pharmaceu Sc& Env HS

PHS 808 Pathophysiology (3 Credits)**Lecture: 3**

A discussion of the definition, classification, etiology, diagnosis, course, prognosis, signs, and symptoms of disease conditions.

College/School: College Of Pharmacy/Hlth Sci.

Department: Dpt of Pharmaceu Sc& Env HS

PHS 809 Pharmacology (3 Credits)**Lecture: 3**

Provides knowledge of all aspects of the interactions of drugs with living tissues. Mechanisms of drug action that underlie the use of drugs for purposes are discussed. (Prerequisite: PHS 808, Pathophysiology and PHS 813 Advanced Biochemistry).

College/School: College Of Pharmacy/Hlth Sci.

Department: Dpt of Pharmaceu Sc& Env HS

PHS 810 Physical Pharmacy (3 Credits)**Lecture: 3**

The study of proteolytic equilibria and buffer solutions, interfacial phenomena and diffusion coefficient, stability kinetics, complexation and protein binding, and polymer science.

College/School: College Of Pharmacy/Hlth Sci.

Department: Dpt of Pharmaceu Sc& Env HS

PHS 811 Pharmacokinetics (3 Credits)**Lecture: 3**

The discussion of processes of absorption, distribution, metabolism and excretion of drugs. This course also examines the effects of disease, drug dosage forms, and drug doses on therapeutic and toxic responses. (Prerequisite: PHS 810)

College/School: College Of Pharmacy/Hlth Sci.

Department: Dpt of Pharmaceu Sc& Env HS

PHS 812 Advanced Biochem (3 Credits)**Lecture: 3**

A course exploring the mechanisms of action of biological catalysts and effectors with regard to possible means of selective chemotherapeutic control of biological processes.

College/School: College Of Pharmacy/Hlth Sci.

Department: Dpt of Pharmaceu Sc& Env HS

PHS 813 Advanced Organic Chem (3 Credits)**Lecture: 3**

Focus on the structure and functions of molecules and the application of those parameters to the design and synthesis of organic substances.

College/School: College Of Pharmacy/Hlth Sci.

Department: Dpt of Pharmaceu Sc& Env HS

PHS 814 Lab Rotation (3 Credits)**Lecture: 3**

An introduction of on-going research projects to students in three laboratories. Students must complete this course before selecting the dissertation advisor.

College/School: College Of Pharmacy/Hlth Sci.

Department: Dpt of Pharmaceu Sc& Env HS

PHS 815 Masters Research (1-3 Credits)**Lecture: 3**

MASTERS THESIS Supervised research and thesis preparation

College/School: College Of Pharmacy/Hlth Sci.

Department: (R)Dept of Pharmaceutical Sci

PHS 816 Masters Thesis (1-3 Credits)**Lecture: 3**

College/School: College Of Pharmacy/Hlth Sci.

Department: (R)Dept of Pharmaceutical Sci

PHS 900 Biosyn and Drug Metabolism (3 Credits)**Lecture: 3**

A course describing methods employed in the study/synthesis of natural compounds, biotransformation pathways, and the significance of metabolism in the design of new agents.

College/School: College Of Pharmacy/Hlth Sci.

Department: Dpt of Pharmaceu Sc& Env HS

PHS 901 Cell Biology (3 Credits)**Lecture: 3**

A course which conveys an understanding of the molecular basis of cellular compartmentalization, protein/membrane trafficking, cytoskeleton regulation, molecular motors, cell cycle, cell death, signal transduction, cell-cell and matrix-cell communications.

College/School: College Of Pharmacy/Hlth Sci.

Department: Dpt of Pharmaceu Sc& Env HS

PHS 904 Genetics and Pharmacogenomics (3 Credits)**Lecture:** 3

A course describing the biology and physiology of genes. It covers the genetic basis of diseases, drug actions/toxicity, and interindividual differences in responses to drugs.

College/School: College Of Pharmacy/Hlth Sci.**Department:** Dpt of Pharmaceu Sc& Env HS**PHS 905 Advanced Medicinal Chem (3 Credits)****Lecture:** 3

A course emphasizing practical synthetic chemistry useful in the preparation of complex polyfunctional molecules.

College/School: College Of Pharmacy/Hlth Sci.**Department:** (R)Dept of Pharmaceutical Sci**PHS 906 Advanced Pharmacokinetics (3 Credits)****Lecture:** 3

The application of concepts of drug kinetics to the interpretation of preclinical and clinical data. Mathematical derivations of the mass balanced relationships involving rate processes and their physiological importance are discussed. (Prerequisite: PHS 811)

College/School: College Of Pharmacy/Hlth Sci.**Department:** (R)Dept of Pharmaceutical Sci**PHS 907 Advanced Pharmaceutics (3 Credits)****Lecture:** 3

Discussion of topics including Preformulation pharmaceutical excipients, solid dosage forms, dispersed systems, microencapsulated formulations, controlled release dosage forms and dermatological and biotechnological-derived products

College/School: College Of Pharmacy/Hlth Sci.**Department:** (R)Dept of Pharmaceutical Sci**PHS 908 Advanced Drug Delivery Sys (3 Credits)****Lecture:** 3

The current practice, rationale and design of novel drug delivery systems, novel drug delivery systems under investigation and future drug delivery technology and systems.

College/School: College Of Pharmacy/Hlth Sci.**Department:** (R)Dept of Pharmaceutical Sci**PHS 910 Endocrine Pharmacology (3 Credits)****Lecture:** 3

A discussion of the impact of drugs on the biosynthesis and mechanisms of action of hormones in regulation of cellular metabolism and expression of physiological effects. Research problems in endocrinology will be highlighted. (Prerequisites: PHS 809, Pharmacology.)

College/School: College Of Pharmacy/Hlth Sci.**Department:** (R)Dept of Pharmaceutical Sci**PHS 912 Neurpharmacology (3 Credits)****Lecture:** 3

A course focusing on the etiology and development of neurological disease and how drugs, at a molecular level, affect transmission of chemical signals, the brain's signaling system and function as well as pathways of neurological disorders. (Prerequisite: PBS 809, Pharmacology.)

College/School: College Of Pharmacy/Hlth Sci.**Department:** Dpt of Pharmaceu Sc& Env HS**PHS 913 Molecular Pharmacology (3 Credits)****Lecture:** 3

A course designed to study receptors, signaling, pathways, enzymes, channels, transcriptional mechanisms, and molecular modeling relevant to drug design and drug action.

College/School: College Of Pharmacy/Hlth Sci.**Department:** (R)Dept of Pharmaceutical Sci**PHS 916 PhD Research I (1-3 Credits)****Lecture:** 3

Supervised research on an approved research problem suitable for the preparation of a dissertation.

College/School: College Of Pharmacy/Hlth Sci.**Department:** Dpt of Pharmaceu Sc& Env HS**PHS 917 PhD Research II (1-3 Credits)****Lecture:** 3, **Lab:** 0

Supervised research on an approved research problem suitable for the preparation of a dissertation.

College/School: College Of Pharmacy/Hlth Sci.**Department:** Dpt of Pharmaceu Sc& Env HS**PHS 918 PhD Dissertation I (1-9 Credits)****Lecture:** 1-9

Supervised research and dissertation preparation

College/School: College Of Pharmacy/Hlth Sci.**Department:** Dpt of Pharmaceu Sc& Env HS**PHS 919 PhD Dissertation II (1-9 Credits)****Lecture:** 1-9

Supervised research and dissertation preparation

College/School: College Of Pharmacy/Hlth Sci.**Department:** Dpt of Pharmaceu Sc& Env HS

Pharmacology Applied Science (PAS)

PAS 517 Pharmacology Toxico I Lab (1 Credits)**Lecture:** 1

Pharmacology Toxicology I Laboratory (1) Demonstrations, case studies, recitation, presentations, and small group discussions to accompany PAS 537. Three hours of laboratory per week. Prerequisite/Corequisite: Successful completion of or concurrent enrollment in PAS 537.

Prerequisite(s): PAS 537 (may be taken concurrently)**College/School:** College Of Pharmacy/Hlth Sci.**Department:** (R)Dept of Pharmaceutical Sci**PAS 535 Pathophysiology III (2 Credits)****Lecture:** 2

Pathophysiology III - Alterations (2) Pathophysiologic alterations of organs and organ systems, including the pulmonary, digestive, musculoskeletal systems and skin. Two hours of lecture per week.

Prerequisite: PAS 436.**Prerequisite(s):** (PAS 436)**College/School:** College Of Pharmacy/Hlth Sci.**Department:** (R)Dept of Pharmaceutical Sci

PAS 537 Pharmacology Toxicology (3 Credits)**Lecture:** 3

Pharmacology Toxicology I (3) Pharmacology and toxicology of drugs used to treat disorders of the gastrointestinal, respiratory, and cardiovascular systems. Three hours of lecture per week. Prerequisite: Second professional year standing in the College of Pharmacy and Health Sciences or consent of the instructor. Corequisite: Concurrent enrollment in PAS 517 and PAS 535.

Prerequisite(s): (PAS 517 (may be taken concurrently))

College/School: College Of Pharmacy/Hlth Sci.

Department: (R)Dept of Pharmaceutical Sci

PAS 539 Chemotherapeutics (3 Credits)**Lecture:** 3

Chemotherapeutics (3) In-depth study of the principles of chemotherapy and a thorough discussion of agents used to manage infectious and neoplastic diseases. Three hours of lecture per week. Prerequisites: PAS 517, PAS 535, PAS 537, second professional year standing in the College of Pharmacy and Health Sciences and BIOL 347 or the equivalent.

Prerequisite(s): (PAS 517 (may be taken concurrently) and PAS 535 (may be taken concurrently) and PAS 537 (may be taken concurrently))

College/School: College Of Pharmacy/Hlth Sci.

Department: (R)Dept of Pharmaceutical Sci

PAS 547 Pharmacology Toxicology II (4 Credits)**Lecture:** 4

Pharmacology Toxicology II (4) Elucidates the pharmacology and toxicology of drugs used to treat disorders of the central nervous system, musculoskeletal system, and renal system. Three hours of lecture and three hours of laboratory per week. Prerequisites: PAS 517 and PAS 537.

Prerequisite(s): (PAS 517 and PAS 537)

College/School: College Of Pharmacy/Hlth Sci.

Department: (R)Dept of Pharmaceutical Sci

PAS 726 Environmental Toxicology (3 Credits)**Lecture:** 3

College/School: College Of Pharmacy/Hlth Sci.

Department: (R)Dept of Pharmaceutical Sci

PAS 933 Adv Chemotherapeutics (3 Credits)**Lecture:** 3, **Lab:** 0

ADVANCED CHEMOTHERAPEUTICS (4) Advanced study of biochemical, cellular, and molecular mechanics underlying the action of drugs, immunomodulators, and other agents used to treat infections and neoplastic diseases.

College/School: College Of Pharmacy/Hlth Sci.

Department: (R)Dept of Pharmaceutical Sci

PAS 943 Adv. Pharmacology (3 Credits)**Lecture:** 3, **Lab:** 0

ADVANCED PHARMACOLOGY (3) This course is designed to present in-depth and up-to-date information on pharmacology of agents used in the treatment of cardiovascular, endocrine and CNS diseases. Emphasis will be placed on discussing pharmacology agents used in the treatment of hypertension, CHD, M.I., cardiac failure, arrhythmias, endocrine abnormalities, and CNS disease.

College/School: College Of Pharmacy/Hlth Sci.

Department: (R)Dept of Pharmaceutical Sci

Pharmacy (PHAR)

PHAR 500 Educational Tour (0 Credits)**Lecture:** 0, **Lab:** 0

College/School: College Of Pharmacy/Hlth Sci.

Department: (R)College of Pharm & Hlth Sci

PHAR 501 Pharmacotherapy IB : Renal Disorders (1 Credits)**Lecture:** 1

An integrated organ based approach to pharmacotherapy that combine knowledge of pathophysiology, medicinal chemistry, pharmacology, applied pharmacokinetics and therapeutics to develop pharmaceutical care plans for patients with disorders of the Renal system.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Pratic/Clinical Hlth Sci

PHAR 502 Independent Study (1-4 Credits)**Lecture:** 1-4

Students enrolled in this course will engage in independent study for a didactic pharmacy course that is in the pharmacy curriculum, but not available for enrollment during the current semester. Variable number of hours of lecture per week./ Students may enroll in up to a total of 8 semester credit hours of Independent Study while in the professional pharmacy program. Special permission form the Associate Dean of Academic Affairs required for registration.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Pratic/Clinical Hlth Sci

PHAR 503 Pharmacotherapy IIA : Endocrine System Disorders (3 Credits)**Lecture:** 3

An integrated organ based approach to pharmacotherapy that combine knowledge of pathophysiology, medicinal chemistry, pharmacology, applied pharmacokinetics and therapeutics to develop pharmaceutical care plans for patients with disorders of the endocrine system.

College/School: College Of Pharmacy/Hlth Sci.

Department: Dpt of Pharmaceu Sc& Env HS

PHAR 504 Pharmacotherapy IA : Nervous System Disorders (4 Credits)**Lecture:** 4

An integrated organ based approach to pharmacotherapy that combine knowledge of pathophysiology, medicinal chemistry, pharmacology, applied pharmacokinetics and therapeutics to develop pharmaceutical care plans for patients with disorders of the nervous system.

College/School: College Of Pharmacy/Hlth Sci.

Department: (R)College of Pharm & Hlth Sci

PHAR 505 Pharmacotherapy IIB : Cardiovascular Disorders (3 Credits)**Lecture:** 3

An integrated organ based approach to pharmacotherapy that combine knowledge of pathophysiology, medicinal chemistry, pharmacology, applied pharmacokinetics and therapeutics to develop pharmaceutical care plans for patients with disorders of the Cardiovascular system.

College/School: College Of Pharmacy/Hlth Sci.

Department: Dpt of Pharmaceu Sc& Env HS

PHAR 510 Pharmacotherapy Skills Lab I (1 Credits)**Lecture:** 0, **Lab:** 3

Gather and evaluate information for the purpose of developing a patient-centered pharmaceutical care plan for disorders pertaining to the nervous, cardiovascular and urinary systems. Prerequisites: Completion of all 400 level and fall semester P2 courses in the professional pharmacy program.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Pratic/Clinical Hlth Sci

PHAR 511 Pharmacy Practice III Lab (1 Credits)**Lab:** 3

Application of concepts presented in PHAR 522 to patient care.

Prerequisites: Completion of all 400-level courses in the professional pharmacy program.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Pratic/Clinical Hlth Sci

PHAR 512 Patient Assessment Laboratory (1 Credits)**Lab: 3**

Application of basic patient assessment techniques, terminology and the modifications caused by common diseases states and drug therapy. Topics include: acquisition of a comprehensive patient history, advanced cardiac life support, development of triage and referral skills, and use of OTC point of care testing devices. Prerequisite: Completion of all 400-level courses in the professional pharmacy program.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Praticce/Clinical Hlth Sci

PHAR 513 Pharmaceutics III Lab (1 Credits)**Lab: 3**

Pharmaceutics III Laboratory (1) Demonstrations, experiments, simulations, case studies, recitation, presentations, and small group discussions to accompany PHAR 533. Three hours of laboratory per week. Prerequisite/Corequisite: Successful completion of or concurrent enrollment in PHAR 533.

Prerequisite(s): (PHAR 533 (may be taken concurrently))

College/School: College Of Pharmacy/Hlth Sci.

Department: (R)Dept of Pharmaceutical Sci

PHAR 514 Pharmaceutics IV Lab (1 Credits)**Lab: 3**

Pharmaceutics IV Laboratory (1) Demonstrations, case studies, recitation, presentations, and small group discussions to accompany PHAR 534. Three hours of laboratory per week. Prerequisite/Corequisite: Successful completion of or concurrent enrollment in PHAR 534.

Prerequisite(s): PHAR 534 (may be taken concurrently)

College/School: College Of Pharmacy/Hlth Sci.

Department: (R)Dept of Pharmaceutical Sci

PHAR 515 Pharmacy Seminar (1 Credits)**Lecture: 2**

Pharmacy Seminar (1) Discussions on relevant research topics and literature in the clinical and pharmaceutical sciences. Student presentations and discussions required. One hour of lecture per week. Prerequisite: Completion of all 400-level courses in the College of Pharmacy and Health Sciences.

College/School: College Of Pharmacy/Hlth Sci.

Department: Dpt of Pharmaceu Sc& Env HS

PHAR 516 Pharm Practice Experience III (1 Credits)**Lecture: 1**

Students will be exposed to and participate in supervised pharmacy practice activities in a variety of contemporary community pharmacy practice settings. Prerequisites: Completion of all 400-level courses in the professional pharmacy program.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Praticce/Clinical Hlth Sci

PHAR 517 Pharm Practice Experience IV (1 Credits)**Lecture: 1**

Continued development of skills acquired in PHAR 416. Students will be exposed to and participate in supervised pharmacy practice activities allowing direct interaction with diverse patient populations in a variety of practice settings. Prerequisites: Completion of all 400 level courses in the professional pharmacy program.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Praticce/Clinical Hlth Sci

PHAR 518 Prin of Drug Action Lab III (1 Credits)**Lab: 3**

Demonstrations, case studies, recitation, presentations, and small group discussions to accompany PHAR 538. Prerequisites: PHAR 439, PHAR 419, and completion of all 400-level courses in the professional pharmacy program. Co-requisite: Successful completion of or concurrent enrollment in PHAR 538.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Praticce/Clinical Hlth Sci

PHAR 519 Pharm III Pharmacokinetics Lab (1 Credits)**Lab: 3**

Examples and problems utilizing pharmacokinetic principles as applied to drug therapy. Prerequisites: PHAR 434, PHAR 414, and completion of all 400-level courses in the professional pharmacy program. Co-requisite: Successful completion of or concurrent enrollment in PHAR 539.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Praticce/Clinical Hlth Sci

PHAR 520 Integrated Laboratory I (2 Credits)**Lab: 2**

Gather, evaluate and integrate evidence based medical information and patient specific data for the purpose of developing a patient-centered pharmaceutical care plan for disorders pertaining to the nervous, and renal disorders.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Praticce/Clinical Hlth Sci

PHAR 521 Non Prescription Product (2 Credits)**Lecture: 2, Lab: 0**

Non-Prescription Products (2) Study of non-prescription drug items and prosthetics which allows the student to evaluate over-the-counter products and make judgments concerning benefits to patients. Two hours of lecture per week. Prerequisites: Completion of all 400-level courses.

College/School: College Of Pharmacy/Hlth Sci.

Department: (R)Pharmacy Practice

PHAR 522 Pharmacy Practice III (2 Credits)**Lecture: 2**

Prescription and non-prescription medication alterations specific for special population patients (e.g. pediatric, geriatric, pregnant, sickle cell, cystic fibrosis, and others). Dosage calculations, dosage adjustments and drug monitoring for positive/negative outcomes in special population patients are discussed. Prerequisites: Completion of all 400-level courses in the professional pharmacy program.

Prerequisite(s): (PHAR 422 and PHAR 412 and PHAR 434 and PHAR 414 and PADM 430 and PHAR 417 and PHAR 415 and PHAR 439 and PHAR 419)

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Praticce/Clinical Hlth Sci

PHAR 523 Pharmacy Practice III : Complemetary and Alternative Medicines (2 Credits)**Lecture: 2**

Study of non prescription complementary and alternative medications and prosthetics which allows students to appropriately evaluate, select and counsel patients on the use, benefit and adverse effects of the products.

College/School: College Of Pharmacy/Hlth Sci.

Department: Dpt of Pharmaceu Sc& Env HS

PHAR 526 IPPE I - Community I (2 Credits)**Lecture:** 2

Students will be exposed to and participate in supervised pharmacy practice activities in a variety of contemporary community pharmacy practice settings.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Praticce/Clinical Hlth Sci

PHAR 527 IPPE - Community II (1 Credits)**Lecture:** 1

Students will be exposed to and participate in supervised pharmacy practice activities in a variety of contemporary community pharmacy practice settings.

College/School: College Of Pharmacy/Hlth Sci.

Department: Dpt of Pharmaceu Sc& Env HS

PHAR 529 Integrated Laboratory II (2 Credits)**Lab:** 2

Gather, evaluate and integrate evidence based medical information and patient specific data for the purpose of developing a patient- centered pharmaceutical care plan for disorders pertaining to the cardiovascular, and endocrine disorders.

College/School: College Of Pharmacy/Hlth Sci.

Department: Dpt of Pharmaceu Sc& Env HS

PHAR 530 Principles of Drug Action I (3 Credits)**Lecture:** 3

An integrated course incorporating pathophysiology, pharmacology, and pharmaceutical/medicinal chemistry concepts essential to understanding the basis of drug use in diseases of the nervous and renal systems. Core concepts include mechanism of drug action and the chemical basis of pharmacology.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Praticce/Clinical Hlth Sci

PHAR 531 Pharmacoeconomic Outcomes (3 Credits)**Lecture:** 3

College/School: College Of Pharmacy/Hlth Sci.

Department: (R)Pharmacy Practice

PHAR 532 Drug Info and Literature Eval (3 Credits)**Lecture:** 3

Drug Information and Literature Evaluation (3) Principles of evaluation of primary literature and its implications in the provision of evidence- based pharmaceutical care. Prerequisite/Corequisite: Completion of all 400 level and fall semester P2 courses in the professional pharmacy program.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Praticce/Clinical Hlth Sci

PHAR 533 Pharmaceutics Dosage Form II (3 Credits)**Lecture:** 3

Pharmaceutics III - Dosage Forms II (3) Biopharmaceutics and applications of physiochemical principles to drugs, dosage forms, and drug action. Three hours of lecture per week. Prerequisites: PHAR 414 and PHAR 434. Corequisite: Concurrent enrollment in PHAR 513.

Prerequisite(s): (PHAR 434 and PHAR 414 and PHAR 513 (may be taken concurrently))

College/School: College Of Pharmacy/Hlth Sci.

Department: (R)Dept of Pharmaceutical Sci

PHAR 534 Pharmaceutics IV (3 Credits)**Lecture:** 3

Pharmaceutics IV - Dosage Forms III (3) Explores the principles and application of novel drug delivery systems and sterile products. Three hours of lecture per week. Prerequisites: PHAR 513 and PHAR 533.

Corequisite: Concurrent enrollment in PHAR 514.

Prerequisite(s): (PHAR 513 and PHAR 533) and PHAR 514 (may be taken concurrently)

College/School: College Of Pharmacy/Hlth Sci.

Department: (R)Dept of Pharmaceutical Sci

PHAR 536 Patient Assessment & Phys Diag (2,3 Credits)**Lecture:** 3

Patient Assessment and Physical Diagnosis (3) Applications of physical diagnostic examinations in various pathological states for provision of pharmaceutical care. Three hours of lecture per week. Prerequisite: Completion of all 400-level courses in the College of Pharmacy and Health Sciences.

College/School: College Of Pharmacy/Hlth Sci.

Department: (R)Pharmacy Practice

PHAR 538 Principles of Drug Action III (3 Credits)**Lecture:** 3

Continuation of PHAR 439. Interdisciplinary course incorporating pathophysiology, pharmacology, and pharmaceutical/medicinal chemistry concepts essential to understanding the basis of drug use in diseases of the eye, ear, nose, and throat, integumentary system, and endocrine system. Prerequisites: PHAR 439, PHAR 419, and completion of all 400-level courses in the professional pharmacy program. Co-requisite: Successful completion of or concurrent enrollment in PHAR 518.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Praticce/Clinical Hlth Sci

PHAR 539 Pharm III Pharmacokinetics (3 Credits)**Lecture:** 3

Basic principles of in vivo drug kinetics (linear and nonlinear), principles of bioavailability/bioequivalence, and factors that affect bioavailability of a drug such as physio-chemical properties, dosage formulations, and physiological factors. Prerequisites: PHAR 434, PHAR 414, and completion of all 400-level courses in the professional pharmacy program. Co-requisite: Successful completion of or concurrent enrollment in PHAR 519.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Praticce/Clinical Hlth Sci

PHAR 541 Principles of Drug Action II (4 Credits)**Lecture:** 4

An integrated course incorporating pathophysiology, pharmacology, and pharmaceutical/medicinal chemistry concepts to understanding the basis of drug use in diseases of the cardiovascular and endocrine systems. Core concepts include mechanism of drug action and the chemical basis of pharmacology.

College/School: College Of Pharmacy/Hlth Sci.

Department: Dpt of Pharmaceu Sc& Env HS

PHAR 542 Pharmacotherapy I (4 Credits)**Lecture:** 4

Pharmacotherapy I - Nervous System Disorders (4) An integrated course in which practice-based education outcomes from pathophysiology, pharmacology, medicinal chemistry, applied pharmacokinetics, and the clinical sciences are used to develop pharmaceutical care plans for patients with disorders of the nervous system. Prerequisite/Corequisite: Completion of all 400 level and fall semester P2 courses in the professional pharmacy program.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Praticce/Clinical Hlth Sci

PHAR 543 Pharmacotherapy II (4 Credits)**Lecture:** 4

Pharmacotherapy II - Cardiovascular and Urinary System Disorders (4) An integrated course in which practice-based education outcomes from pathophysiology, pharmacology, medicinal chemistry, applied pharmacokinetics, and the clinical sciences are used to develop pharmaceutical care plans for patients with disorders of the cardiovascular and genitourinary system. Prerequisite/Corequisite: Completion of all 400 level and fall semester P2 courses in the professional pharmacy program.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Praticce/Clinical Hlth Sci

PHAR 581 Clinical Clerkship (4,8 Credits)**Lecture:** 0, **Lab:** 40

College/School: College Of Pharmacy/Hlth Sci.

Department: (R)College of Pharm & Hlth Sci

PHAR 601 Special Problems (1-8 Credits)**Lecture:** 2-8

Special Problems (0-8) Methods in pharmaceutical sciences and clinical research; application of hypothesis formulation, literature evaluation, experimental design, clinical skills, data acquisition/analysis, and formal presentations. Variable number of hours of lecture per week. Students may enroll in up to a total of 8 semester credit hours of Special Problems while in the professional pharmacy program. Prerequisite: Special permission by the Department.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Praticce/Clinical Hlth Sci

PHAR 610 Pharmacotherapy Skills Lab II (1 Credits)**Lab:** 3

Pharmacotherapy Skills Lab II (1) Gather and evaluate information for the purpose of developing a patient- centered pharmaceutical care plan for disorders pertaining to the immune system, infectious diseases and respiratory system. Prerequisite/Corequisite: Completion of all 500-level courses in the professional pharmacy program.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Praticce/Clinical Hlth Sci

PHAR 611 Pharmacotherapy Skills Lab III (1 Credits)**Lab:** 3

Substance Abuse Education (2) Drug educational program for organizing and training pharmacy students to speak to junior and senior high school students on the potential hazards of drug abuse. Two hours of lecture per week. Prerequisite: Second professional year standing in the College of Pharmacy and Health Sciences or consent of the instructor.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Praticce/Clinical Hlth Sci

PHAR 614 Pharmaceutics V Lab (1 Credits)**Lab:** 3

Pharmaceutics V Laboratory (1) Demonstrations, case studies, recitation, presentations, computer simulations, and small group discussions to accompany PHAR 634. Three hours of laboratory per week. Prerequisite/Corequisite: Successful completion of or concurrent enrollment in PHAR 634.

Prerequisite(s): PHAR 634 (may be taken concurrently)

College/School: College Of Pharmacy/Hlth Sci.

Department: (R)Dept of Pharmaceutical Sci

PHAR 615 Prescription Practice Lab (1 Credits)**Lecture:** 0, **Lab:** 3

Prescription Practice Laboratory (1) Continuation of PHAR 635 with emphasis on appropriate dispensing practices and procedures. Three hours of laboratory per week. Prerequisite/Corequisite: Successful completion of or concurrent enrollment in PHAR 635 and completion of all 500-level courses.

College/School: College Of Pharmacy/Hlth Sci.

Department: (R)Pharmacy Practice

PHAR 616 Pharmaceutics VI Lab (1 Credits)**Lab:** 3

Pharmaceutics VI Laboratory (1) Demonstrations, case studies, recitation, presentations, and small group discussions to accompany PHAR 636. Three hours of laboratory per week. Prerequisite/Corequisite: Successful completion of or concurrent enrollment in PHAR 636.

Prerequisite(s): PHAR 636 (may be taken concurrently)

College/School: College Of Pharmacy/Hlth Sci.

Department: (R)Dept of Pharmaceutical Sci

PHAR 617 Medication Therapy Management (1 Credits)**Lecture:** 1

Application of medication knowledge to improve medication therapy outcomes for patient using patient data, medication reviews to formulate treatment plans, educating patients to assure medication adherence and monitoring efficacy and safety of therapy.

College/School: College Of Pharmacy/Hlth Sci.

Department: (R)College of Pharm & Hlth Sci

PHAR 618 Pharm Practice Experience V (1 Credits)**Lecture:** 1

Introductory Pharmacy Practice Experiences V- Health Care Systems (1) Introductory participation in pharmaceutical care in institutional and other health care settings. Prerequisite/Corequisite: Completion of all 500-level courses in the professional pharmacy program.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Praticce/Clinical Hlth Sci

PHAR 619 Pharm Practice Experience VI (1 Credits)**Lecture:** 1

Introductory Pharmacy Practice Experiences VI- Health Care Systems (1) Continuation of introductory participation in pharmaceutical care in institutional and other health care settings. Prerequisite/Corequisite: Completion of all 500 level and fall semester P3 courses in the professional pharmacy program.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Praticce/Clinical Hlth Sci

PHAR 620 Integrated Laboratory III (2 Credits)**Lab: 2**

Gather, evaluate and integrate evidence based medical information and patient specific data for the purpose of developing a patient- centered pharmaceutical care plan for disorders pertaining to the infectious diseases, immune and respiratory system disorders.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Praticce/Clinical Hlth Sci

PHAR 621 Integrated Laboratory IV (1 Credits)**Lab: 1**

Gather, evaluate and integrate evidence based medical information and patient specific data for the purpose of developing a patient- centered pharmaceutical care plan for disorders pertaining to the gastrointestinal system disorders.

College/School: College Of Pharmacy/Hlth Sci.

Department: Dpt of Pharmaceu Sc& Env HS

PHAR 627 IPPE III - Healthcare Systems (2 Credits)**Lecture: 2**

Introductory participation in pharmaceutical care in institutional and other health care settings.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Praticce/Clinical Hlth Sci

PHAR 628 IPPE IV - Healthcare Systems (1 Credits)**Lecture: 1**

Introductory participation in pharmaceutical care in institutional and other health care settings.

College/School: College Of Pharmacy/Hlth Sci.

Department: Dpt of Pharmaceu Sc& Env HS

PHAR 629 Principles of Drug Action IV (2 Credits)**Lecture: 2**

An integrated course incorporating pathophysiology, pharmacology, and pharmaceutical/medicinal chemistry concepts to understanding the basis of drug use in diseases of the gastrointestinal system. Core concepts include mechanism of drug action and the chemical basis of pharmacology.

College/School: College Of Pharmacy/Hlth Sci.

Department: (R)College of Pharm & Hlth Sci

PHAR 630 Pharmacotherapeutics I (3 Credits)**Lecture: 3**

Pharmacotherapeutics I (3) Series of organized lectures stressing rational drug therapy in acute and chronic disease states. Three hours of lecture per week. Prerequisite: Completion of all 500-level courses in the College of Pharmacy and Health Sciences.

College/School: College Of Pharmacy/Hlth Sci.

Department: (R)Pharmacy Practice

PHAR 631 Drug Information Literature (3 Credits)**Lecture: 3**

Drug Information, Literature, and Research Methods (3) Study of basic statistical analysis, study design, and literature assessment. Emphasis placed on comprehensive evaluation of published studies and development of research protocols. Three hours of lecture per week. Prerequisite: Completion of all 500-level courses in the College of Pharmacy and Health Sciences.

College/School: College Of Pharmacy/Hlth Sci.

Department: (R)Pharmacy Practice

PHAR 632 Professional Comm Counseling (3 Credits)**Lecture: 3, Lab: 0**

Professional Communications/Counseling (3) Interactive course designed to guide pharmacy students in the development of effective counseling and communication skills. Three hours of lecture per week. Prerequisite/Corequisite: Completion of all 500-level courses in the College of Pharmacy and Health Sciences.

College/School: College Of Pharmacy/Hlth Sci.

Department: (R)Pharmacy Practice

PHAR 633 Pharmacotherapeutics II (3 Credits)**Lecture: 3**

Pharmacotherapeutics II (3) Organized lectures on rational drug therapy in acute and chronic disease states. Three hours of lecture per week.

Prerequisite: Completion of all 500-level courses in the College of Pharmacy and Health Sciences.

College/School: College Of Pharmacy/Hlth Sci.

Department: (R)Pharmacy Practice

PHAR 634 Pharmaceutics V (3 Credits)**Lecture: 3**

Pharmaceutics V - Basic Pharmacokinetics (3) Study of factors affecting bioavailability and time course of action of drugs in humans. Three hours of lecture per week. Prerequisites: PHAR 514 and PHAR 534. Corequisite: Concurrent enrollment in PHAR 614.

Prerequisite(s): (PHAR 534 and PHAR 514) and PHAR 614 (may be taken concurrently)

College/School: College Of Pharmacy/Hlth Sci.

Department: (R)Dept of Pharmaceutical Sci

PHAR 635 Prescription Practice (3 Credits)**Lecture: 3**

Prescription Practice (3) Study of professional patient-focused services provided by pharmacists, including appropriate dispensing procedures. Three hours of lecture per week. Prerequisite: Completion of all 500-level courses in the College of Pharmacy and Health Sciences.

College/School: College Of Pharmacy/Hlth Sci.

Department: (R)Pharmacy Practice

PHAR 636 Pharmaceutics VI (3 Credits)**Lecture: 3**

Pharmaceutics VI - Applied Pharmacokinetics (3) Application of pharmacokinetic principles in selection, dosing, dosage adjustments, and evaluation of drug therapy in the institutionalized patient. Three hours of lecture per week. Prerequisites: PHAR 614 and PHAR 634. Corequisite: Concurrent enrollment in PHAR 616.

Prerequisite(s): (PHAR 614 and PHAR 634) and PHAR 616 (may be taken concurrently)

College/School: College Of Pharmacy/Hlth Sci.

Department: (R)Dept of Pharmaceutical Sci

PHAR 637 Pharmacotherapy IIIA : Infectious Diseases and Immune Disorders (4 Credits)**Lecture: 4**

An integrated organ based approach to pharmacotherapy that combine knowledge of pathophysiology, medicinal chemistry, pharmacology, applied pharmacokinetics and therapeutics to develop pharmaceutical care plans for patients with disorders of the endocrine system.

College/School: College Of Pharmacy/Hlth Sci.

Department: (R)College of Pharm & Hlth Sci

PHAR 638 Pharmacotherapy IIIB: Respiratory System Disorders (2 Credits)**Lecture: 2**

An integrated organ based approach to pharmacotherapy that combine knowledge of pathophysiology, medicinal chemistry, pharmacology, applied pharmacokinetics and therapeutics to develop pharmaceutical care plans for patients with disorders of the endocrine system.

College/School: College Of Pharmacy/Hlth Sci.

Department: Dpt of Pharmaceu Sc& Env HS

PHAR 639 Pharmacotherapy IV: Gastrointestinal System Disorders (3 Credits)**Lecture: 3**

An integrated organ based approach to pharmacotherapy that combine knowledge of pathophysiology, medicinal chemistry, pharmacology, applied pharmacokinetics and therapeutics to develop pharmaceutical care plans for patients with disorders of the Gastrointestinal system.

College/School: College Of Pharmacy/Hlth Sci.

Department: Dpt of Pharmaceu Sc& Env HS

PHAR 640 Pharmacotherapy III (4 Credits)**Lecture: 4**

Pharmacotherapy III - Immune System Disorders and Infectious Diseases (4) Practice-based outcomes from pathophysiology, medicinal pharmacology, chemistry, pharmacokinetics, and clinical sciences used to develop care plans for disorders of the immune system and infectious diseases. Prerequisite/Corequisite: Completion of all 500-level courses in the professional pharmacy program.

Prerequisite(s): (PHAR 512 and PHAR 517 and PHAR 532 and PHAR 542 and PHAR 543 and PHAR 510)

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Prattice/Clinical Hlth Sci

PHAR 641 Pharmacotherapy IV (4 Credits)**Lecture: 4**

Pharmacotherapy IV - Respiratory System Disorders (4) Practice-based outcomes from pathophysiology, pharmacology medicinal chemistry, pharmacokinetics, and clinical sciences used to develop care plans for disorders of the respiratory system. Prerequisite/ Corequisite: Completion of all 500-level courses in the professional pharmacy program.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Prattice/Clinical Hlth Sci

PHAR 642 Pharmacotherapy V (4 Credits)**Lecture: 4**

Pharmacotherapy V- Gastrointestinal System Disorders (4) Practice-based outcomes from pathophysiology, pharmacology, medicinal chemistry, pharmacokinetics, and clinical sciences used to develop care plans for disorders of the gastrointestinal system. Prerequisite/ Corequisite: Completion of all 500 level and fall semester P3 courses in the professional pharmacy program.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Prattice/Clinical Hlth Sci

PHAR 643 Pharmacotherapy VI (4 Credits)**Lecture: 4**

Pharmacotherapy VI- Endocrine System Disorders (4) Practice-based outcomes from pathophysiology, pharmacology, medicinal chemistry, pharmacokinetics, and clinical sciences used to develop care plans for disorders of the endocrine system. Prerequisite/Corequisite: Completion of all 500 level and fall semester P3 courses in the professional pharmacy program.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Prattice/Clinical Hlth Sci

PHAR 644 Pharmacotherapy VII (4 Credits)**Lecture: 4**

Pharmacotherapy VII- Integumentary System, Eye and Ear Disorders (4) Practice-based outcomes from pathophysiology, pharmacology, medicinal chemistry, pharmacokinetics, and clinical sciences used to develop care plans for disorders of the eyes, ears, and integumentary system. Prerequisite/Corequisite: Completion of all 500 level and fall semester P3 courses in the professional pharmacy program.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Prattice/Clinical Hlth Sci

PHAR 648 Principles of Drug Action III (4 Credits)**Lecture: 4**

An integrated course incorporating pathophysiology, pharmacology, and pharmaceutical/medicinal chemistry concepts to understand the basis of drug use in infectious diseases, immune/respiratory systems disorders. Core concepts include mechanism of drug action and the chemical basis of pharmacology.

College/School: College Of Pharmacy/Hlth Sci.

Department: (R)College of Pharm & Hlth Sci

PHAR 649 Principles of Drug Action IV (2 Credits)**Lecture: 2**

An integrated course incorporating pathophysiology, pharmacology, and pharmaceutical/medicinal chemistry concepts to understanding the basis of drug use in diseases of the gastrointestinal system. Core concepts include mechanism of drug action and the chemical basis of pharmacology . 2 credit hours per week.

College/School: College Of Pharmacy/Hlth Sci.

Department: Dpt of Pharmaceu Sc& Env HS

PHAR 711 Biotechnology in Pharmacy (6 Credits)**Lecture: 6**

Biotechnology in Pharmacy (3) Basic principles and practical applications of molecular biological techniques in pharmaceutical development. Experimental, analytical, and production technologies discussed along with ethical implications. Three hours of lecture per week. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences or consent of the instructor.

College/School: College Of Pharmacy/Hlth Sci.

Department: (R)Pharmacy Practice

PHAR 716 Research Seminar I (1 Credits)**Lecture: 1**

Research experience in social and administrative sciences or pharmacy practice and enhancement of student presentation skills on topics relevant to pharmacy practice.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Prattice/Clinical Hlth Sci

PHAR 717 Research Seminar II (1 Credits)**Lecture: 1**

Research experience in social and administrative sciences or pharmacy practice and enhancement of student presentation skills on topics relevant to pharmacy practice.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Prattice/Clinical Hlth Sci

PHAR 718 Research Seminar III (3 Credits)**Lecture: 3**

Research experience in social and administrative sciences or pharmacy practice and enhancement of student presentation skills on topics relevant to pharmacy practice.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Adm and Adm Health Scienc

PHAR 725 Adverse Drug Reaction (6 Credits)**Lecture:** 6

Adverse Drug Reaction (3) Designed to emphasize Adverse Drug Reaction (ADR) knowledge and competencies necessary in patient evaluation, literature evaluation, and implementation of effective ADR avoidance programs. Two hours of lecture per week. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences.

College/School: College Of Pharmacy/Hlth Sci.

Department: (R)Pharmacy Practice

PHAR 741 Ambulatory Care Pract Exp (6 Credits)**Lecture:** 6

Ambulatory Care Practice (4) Provision of pharmaceutical care to ambulatory patients and the pharmacist's role as a primary care provider. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Prattice/Clinical Hlth Sci

PHAR 742 Applied Pharmacokinetics Ex Pr (6 Credits)**Lecture:** 6

Applied Pharmacokinetics Practice (4) Provision of pharmacokinetics consultation to hospitalized patients and other members of the health care team. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences.

College/School: College Of Pharmacy/Hlth Sci.

Department: (R)Pharmacy Practice

PHAR 744 Clinical Toxicology Pract Exp (6 Credits)**Lecture:** 6

Clinical Toxicology Practice (4) Participation in clinical toxicology programs, poison control centers, and related programs. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences.

College/School: College Of Pharmacy/Hlth Sci.

Department: (R)Pharmacy Practice

PHAR 745 Community Pharmacy Pract Exp (6 Credits)**Lecture:** 6

Community Pharmacy Practice (4) Participation in the delivery of pharmaceutical care services in a community pharmacy under the supervision of a licensed pharmacist/preceptor. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Prattice/Clinical Hlth Sci

PHAR 746 Acute /Emergency Med Pract Exp (6 Credits)**Lecture:** 6

Acute/Emergency Medicine (4) Provision of pharmaceutical care to critically ill patients admitted to organized health care settings. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Prattice/Clinical Hlth Sci

PHAR 747 Drug Information Practice Exp (6 Credits)**Lecture:** 6

Information Systems Management (4) Provision of drug information and consultation services to health services, to health care professionals, and to patients. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Prattice/Clinical Hlth Sci

PHAR 748 Geriatrics Practice Exp (6 Credits)**Lecture:** 6

Geriatrics Practice (4) Provision of pharmaceutical care to patients admitted to geriatric services. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Prattice/Clinical Hlth Sci

PHAR 749 Home Health Care Pract Exp (6 Credits)**Lecture:** 6

Home Health Care Practice (4) Provision of pharmaceutical care to patients receiving home health care. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences.

College/School: College Of Pharmacy/Hlth Sci.

Department: (R)Pharmacy Practice

PHAR 751 Hospital Pharmacy Pract Exp (6 Credits)**Lecture:** 6

Hospital Pharmacy Practice (4) Participation in the delivery of pharmaceutical care in an institutional setting. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences or consent of the instructor.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Prattice/Clinical Hlth Sci

PHAR 752 Infectious Disease Pract Exp (6 Credits)**Lecture:** 6

Immune Pharmacology Practice (4) Provision of pharmaceutical care to patients admitted to the infectious diseases care service. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Prattice/Clinical Hlth Sci

PHAR 753 Family Medicine Practice Exp (6 Credits)**Lecture:** 6

Family Medicine (4) Provision of pharmaceutical care to patients admitted to the internal medicine, general medicine, and practice setting services. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Prattice/Clinical Hlth Sci

PHAR 754 Oncology Practice Experience (6 Credits)**Lecture:** 6

Oncology Practice (4) Provision of pharmaceutical care to hospitalized and/or ambulatory oncology patients. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Prattice/Clinical Hlth Sci

PHAR 755 Parenteral Nut Practice Exp (6 Credits)**Lecture:** 6

Parenteral Nutrition (4) Provision of pharmaceutical care to patients receiving parenteral nutrition with some emphasis on enteral supplemental therapy. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences.

College/School: College Of Pharmacy/Hlth Sci.

Department: (R)Pharmacy Practice

PHAR 756 Pediatrics/Neo Practice Exp (6 Credits)**Lecture:** 6

Pediatrics/Neonatology Practice (4) Provision of pharmaceutical care to patients admitted to pediatric and neonatal services or ambulatory care practice settings. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Praticce/Clinical Hlth Sci

PHAR 757 Pharmacy Administration Pra Ex (6 Credits)**Lecture:** 6

Pharmacy Administration (4) Participation in the administrative aspects of institutional pharmacy practice and pharmacoeconomics. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Praticce/Clinical Hlth Sci

PHAR 758 Psychiatry Practice Experience (6 Credits)**Lecture:** 6

Psychiatry Practice (4) Provision of pharmaceutical care to patients admitted to psychiatry services or ambulatory care practice settings. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Praticce/Clinical Hlth Sci

PHAR 759 Surgery Practice Experience (6 Credits)**Lecture:** 6

Surgery Practice (4) Provision of pharmaceutical care to patients admitted to surgical intensive care units. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences.

College/School: College Of Pharmacy/Hlth Sci.

Department: (R)Pharmacy Practice

PHAR 760 Cardiology Practice Experience (6 Credits)**Lecture:** 6

Cardiology (4) Structured pharmacy experience in an institutional setting dealing with surgery patients having cardiovascular diseases and disorders in acute and ambulatory care practice settings. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Praticce/Clinical Hlth Sci

PHAR 761 Consulting Phar Practice Exp (6 Credits)**Lecture:** 6

Consulting Pharmacy Practice (4) Clinical pharmaceutical health care experience with a consultant pharmacist or in practice settings that provide consultant services. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences.

College/School: College Of Pharmacy/Hlth Sci.

Department: (R)Pharmacy Practice

PHAR 762 Managed Care Pharm Pract Exp (6 Credits)**Lecture:** 6

Managed Care Pharmacy Practice (4) Enhancement of student involvement in the managed care setting., including hospitals, community, and the pharmaceutical industry. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Praticce/Clinical Hlth Sci

PHAR 763 Nuclear Pharmacy Pract Exp (6 Credits)**Lecture:** 6

Nuclear Pharmacy Practice (4) Clinical pharmaceutical health care experience with patients undergoing nuclear pharmacy treatment. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences.

College/School: College Of Pharmacy/Hlth Sci.

Department: (R)Pharmacy Practice

PHAR 764 Pharmaecono Practice Exp (6 Credits)**Lecture:** 6

Pharmacoeconomic Practice (4) Principles for evaluating and conducting pharmacoeconomic studies, including cost effectiveness, cost utilization, cost minimization, and cost benefit ratios. Prerequisite: Completion of all 600-level courses in the College of Pharmacy and Health Sciences.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Praticce/Clinical Hlth Sci

PHAR 765 Infusion Therapy (6 Credits)**Lecture:** 6

Infusion Therapy (4) Provision of patient-centered care to patients receiving infusion therapy. Prerequisite/Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program ; and passage of P3 summative examination.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Praticce/Clinical Hlth Sci

PHAR 766 Clinical Pharmacy (6 Credits)**Lecture:** 6

Clinical Pharmacy (4) Participation in the delivery of patient-centered care services in an ambulatory clinic setting under the supervision of a licensed pharmacist/ preceptor. Prerequisite/Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program; and passage of P3 summative examination.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Praticce/Clinical Hlth Sci

PHAR 767 Compounding Pharmacy (6 Credits)**Lecture:** 6

Compounding Pharmacy (4) Participation in compounding non-commercially available dosage forms for patients in the community setting. Prerequisite/Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program ; and passage of P3 summative examination.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Praticce/Clinical Hlth Sci

PHAR 768 Nephrology (6 Credits)**Lecture:** 6

Nephrology (4) Structured pharmacy experiences in an institutional setting focusing on patients with documented potential renal insufficiency. Prerequisite/Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program ; and passage of P3 summative examination.

College/School: College Of Pharmacy/Hlth Sci.

Department: (R)Pharmacy Practice

PHAR 769 Neurology (6 Credits)**Lecture:** 6

Neurology (4) Provision of patient-centered care to patients with clinical presentation and common diseases/disorders of the neurological system and sensory organs. Prerequisite/Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program ; and passage of P3 summative examination.

College/School: College Of Pharmacy/Hlth Sci.

Department: (R)Pharmacy Practice

PHAR 770 Pharmacy Community Management (6 Credits)**Lecture:** 6

Pharmacy Community Management (4) Participation in the administrative aspects of community pharmacy practice. Prerequisite/ Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program; and passage of P3 summative examination.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Praticce/Clinical Hlth Sci

PHAR 771 Seminar (6 Credits)**Lecture:** 6

Seminar (4) Enhancement of student presentation skills on topics relevant to pharmacy practice. Prerequisite/ Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program ; and passage of P3 summative examination.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Praticce/Clinical Hlth Sci

PHAR 772 Research (6 Credits)**Lecture:** 6

Research (4) Research experience in social and administrative sciences or pharmacy practice. Prerequisite/ Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program ; and passage of P3 summative examination.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Praticce/Clinical Hlth Sci

PHAR 773 Organ Transplantation (6 Credits)**Lecture:** 6

Organ Transplantation (4) Provision of patient-centered care to patients undergoing organ and/or tissue transplantation. Prerequisite/Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program; and passage of P3 summative examination.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Praticce/Clinical Hlth Sci

PHAR 774 Women's Health (6 Credits)**Lecture:** 6

Women's Health (4) Provision of patient-centered care to female patients in an institutional setting, including post partum, labor and delivery. Prerequisite/Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program; and passage of P3 summative examination.

College/School: College Of Pharmacy/Hlth Sci.

Department: (R)Pharmacy Practice

PHAR 775 Governmental Regulatory Agency (6 Credits)**Lecture:** 6

Government/ Regulatory Agency (4) Structured experience in government/regulatory agencies affecting the practice of pharmacy. Prerequisite/Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program; and passage of P3 summative examination.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Praticce/Clinical Hlth Sci

PHAR 776 Disease State Formulary Mgmt (6 Credits)**Lecture:** 6

Disease State/ Formulary Management (4) Structured experiences in policy development, formulary management, and disease state management. Prerequisite/Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program; and passage of P3 summative examination.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Praticce/Clinical Hlth Sci

PHAR 777 Endocrinology (6 Credits)**Lecture:** 6

Endocrinology (4) Structured pharmacy experience in an institutional setting focusing on patients with documented disorders of the endocrine system. Prerequisite/Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program; and passage of P3 summative examination.

College/School: College Of Pharmacy/Hlth Sci.

Department: (R)Pharmacy Practice

PHAR 778 Pharmacy Benefit Management (6 Credits)**Lecture:** 6

Pharmacy Benefit Management (PBM) (6) Structured pharmacy experience in the management of pharmacy networks, drug utilization review outcomes management and disease management. Prerequisite/ Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program ; and passage of P3 summative examination.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Praticce/Clinical Hlth Sci

PHAR 779 Academic Pharmacy (6 Credits)**Lecture:** 6

Academic Pharmacy (4) Structured experience in activities pertaining to administration and instruction in pharmacy education. Prerequisite/ Corequisite: Completion of all P1, P2 and P3 courses in the professional pharmacy program; and passage of P3 summative examination.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Praticce/Clinical Hlth Sci

PHAR 780 Veterinary Pharmacy (6 Credits)**Lecture:** 6

College/School: College Of Pharmacy/Hlth Sci.

Department: (R)Pharmacy Practice

PHAR 781 International Pharmacy Practice Experience (6 Credits)**Lecture:** 6

An advanced elective experiential course that will engage the student in the provision of pharmaceutical care by providing preventive health education and care to disadvantaged patients abroad.

College/School: College Of Pharmacy/Hlth Sci.

Department: (R)College of Pharm & Hlth Sci

PHAR 782 Internal Medicine (6 Credits)**Lecture:** 6

This course is a required Advanced Pharmacy Practice Experience (AAPE) in internal medicine. This experience is devoted to the comprehensive care of adult hospital inpatients. The student will be involved in all aspects of pharmaceutical care ranging from patient admission to patient discharge. During this rotation, the student will be exposed to numerous disease and conditions.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Praticce/Clinical Hlth Sci

PHAR 783 Critical Care (6 Credits)**Lecture: 6**

This course is an advanced pharmacy practice experience (AAPE) designed to expand the students knowledge and skills in delivering pharmaceutical care to patients in critical care pharmacy practice setting and improve skills in the provision of clinical pharmacotherapy services.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Praticce/Clinical Hlth Sci

PHAR 784 Drug Policy (6 Credits)**Lecture: 6**

This Advanced Pharmacy Practice experience will help students understand the classification of legal and illicit drugs and gain an understanding of legal punishment for drug activity and treatment and rehabilitative services. Students will also gain insight on the process for developing policies surrounding drug use.

College/School: College Of Pharmacy/Hlth Sci.

Department: (R)College of Pharm & Hlth Sci

PHAR 785 Pharmaceutical Industry (6 Credits)**Lecture: 6**

This course is an advanced pharmacy practice experience (AAPE) in Pharmaceutical Industry rotation designed to help students understand the fundamental principles of pharmaceutical industry and the primary departments in a pharmaceutical company of biotech firm.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Praticce/Clinical Hlth Sci

PHAR 786 Pharmacy Informatics (6 Credits)**Lecture: 6**

This course is an elective advanced pharmacy practice experience (APPE) designed for students to understand medication-related data and knowledge within the continuum of healthcare systems—including its acquisition, storage, analysis, use and dissemination.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Praticce/Clinical Hlth Sci

PHAR 817 Respiratory-IPPAP (1 Credits)**Lecture: 1**

College/School: College Of Pharmacy/Hlth Sci.

Department: (R)Pharmacy Practice

Pharmacy Administration (PADM)

PADM 515 Professional Development Seminar I (1 Credits)**Lecture: 1**

Discusses relevant educational and professional issues. Explores pharmacy career opportunities. Students create/update Curriculum Vitae; portfolios etc.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Praticce/Clinical Hlth Sci

PADM 530 Ethics in Pharmacy Practice (3 Credits)**Lecture: 3**

Ethics in Pharmacy Practice (3) Students develop skills in moral reasoning necessary to protect the safety, health, and dignity of patients served. Professional responsibilities emphasized. Three hours of lecture per week. Prerequisite: Second professional year standing in the College of Pharmacy and Health Sciences.

College/School: College Of Pharmacy/Hlth Sci.

Department: (R)Pharmacy Practice

PADM 531 Pharmacoeconomics Outcomes (3 Credits)**Lecture: 3**

Pharmacoeconomics and Outcomes (3) Principles and concepts of pharmacoeconomics pertaining to pharmacoeconomics analysis and patient care. Prerequisite/Corequisite: Completion of all 400-level courses in the professional pharmacy program.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Praticce/Clinical Hlth Sci

PADM 615 Professional Development Seminar II (1 Credits)**Lecture: 1**

Discusses relevant educational and professional issues. Explores pharmacy career opportunities. Students create/update Curriculum Vitae; portfolios etc.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Praticce/Clinical Hlth Sci

PADM 621 Economic Clinical Humanistic Outcomes (2 Credits)**Lecture: 2**

Principles and concepts of pharmacoeconomics pertaining to pharmacoeconomics analysis and patient care.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Praticce/Clinical Hlth Sci

PADM 630 Pharmacy Practice Management (3 Credits)**Lecture: 3**

Pharmacy Practice Management (3) Management principles (planning, organizing, directing and controlling resources) applied to various pharmacy practice settings and patient outcomes. Prerequisite/Corequisite: Completion of all 500-level courses in the professional pharmacy program.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Praticce/Clinical Hlth Sci

PADM 631 Drug Information Literature (2,3 Credits)**Lecture: 3**

College/School: College Of Pharmacy/Hlth Sci.

Department: (R)Pharmacy Practice

PADM 634 Pharmacy Jurisprudence (3 Credits)**Lecture: 3**

Jurisprudence (3) Study of federal, state, and local laws pertaining to the practice of pharmacy. Rules and regulations of administrative agencies discussed. Three hours of lecture per week. Prerequisite: Completion of all 500-level courses in the College of Pharmacy and Health Sciences.

College/School: College Of Pharmacy/Hlth Sci.

Department: Phar Praticce/Clinical Hlth Sci

PADM 637 Strategic Management (3 Credits)**Lecture: 3**

Strategic Management in Health Care (3) Designed to familiarize students with the aggregation of activities involved in planning, establishment, and continuing management of a health care enterprise. Three hours of lecture per week. Prerequisite: Completion of all 500-level courses in the College of Pharmacy and Health Sciences.

College/School: College Of Pharmacy/Hlth Sci.

Department: (R)Pharmacy Practice

PADM 638 Pharmacy Management (3 Credits)**Lecture:** 3

Pharmacy Management (3) Instruction in basic concepts used to operate and manage pharmacies, hospitals, HMO's, and PPO's with emphasis in managed care practice. Three hours of lecture per week. Prerequisite: Completion of all 500-level courses in the College of Pharmacy and Health Sciences.

College/School: College Of Pharmacy/Hlth Sci.**Department:** (R)Pharmacy Practice

Physical Education (PE)

PE 502 Strength & Fitness Devel (3 Credits)**Lecture:** 3, **Lab:** 0

Theoretical bases of strength development; recognition of the compounds of fitness; development and evaluation of fitness programs and types of strength.

College/School: College Of Education**Department:** Dept of Health & Kinesiology**PE 531 Advanced Theory & Practice (3 Credits)****Lecture:** 3, **Lab:** 0

A study of the technique and strategy used in various physical education and fitness programs and types of strength.

College/School: College Of Education**Department:** Dept of Health & Kinesiology**PE 534 Admin Of Athletics (3 Credits)****Lecture:** 3, **Lab:** 0

A study of administrative details, policies, and procedures related to high school and college athletics.

College/School: College Of Education**Department:** Dept of Health & Kinesiology**PE 535 Adv Tests Meas Hlth Phy Ed Rec (3 Credits)****Lecture:** 3, **Lab:** 0

A study of various kinds of tests used in the field of physical education; includes practical experience in the administration of tests and the use of statistics to interpret test scores.

College/School: College Of Education**Department:** Dept of Health & Kinesiology**PE 536 Adapt Phy Edu For Atypica (3 Credits)****Lecture:** 3, **Lab:** 0

The various types of physical activities and the ways in which they may be modified to meet the needs of individuals who are physically handicapped to the extent that they are unable to participate in the regular program of physical education activities.

College/School: College Of Education**Department:** Dept of Health & Kinesiology**PE 540 Sports Psychology (3 Credits)****Lecture:** 3, **Lab:** 0

A study of motivation, communication, stress management, the use of natural energy, and other fascinating topics for enhancing coach-athlete relationships and for stimulating improved sports performers. Also, ACEP Certification.

College/School: College Of Education**Department:** Dept of Health & Kinesiology**PE 576 Motivational Aspects Phys (3 Credits)****Lecture:** 3, **Lab:** 0

An analysis of factors influencing motivation of motor performance with emphasis on competition, audience effects, aggression, etc.

College/School: College Of Education**Department:** Dept of Health & Kinesiology**PE 578 Motor Development (3 Credits)****Lecture:** 3, **Lab:** 0

Hereditary and environmental determinants of motor development; motor and behavior skills of infants, children, adolescents, and adults; changes in size, body build, fitness, and motor performances. Current theories of motor performances.

College/School: College Of Education**Department:** Dept of Health & Kinesiology**PE 631 Curr Study In Admin Of Phy Edu (3 Credits)****Lecture:** 3, **Lab:** 0

Studies of representative programs of physical education and a discussion of standards for evaluating such programs, offered for administrative officers, as well as for teachers and directors of physical education..

College/School: College Of Education**Department:** Dept of Health & Kinesiology**PE 632 Supv Of Hlth & Phys Ed (3 Credits)****Lecture:** 3, **Lab:** 0

A critical study of methods of instruction and procedures in supervision. Provision is made for the required observation of and participation in physical education classes.

College/School: College Of Education**Department:** Dept of Health & Kinesiology**PE 633 Curr Cont Mthd Hlth & Phy Edu (3 Credits)****Lecture:** 3, **Lab:** 0

An analysis of curriculum theory and design for physical education.

College/School: College Of Education**Department:** Dept of Health & Kinesiology**PE 638 Physiology Of Exercise (3 Credits)****Lecture:** 3, **Lab:** 0

A study of the effects of exercise on the organism.

College/School: College Of Education**Department:** Dept of Health & Kinesiology**PE 831 Research Planning (3 Credits)****Lecture:** 3, **Lab:** 0

Research design applicable to HPE. Provides a conceptual understanding of theories, tools, and processes involved in designing research studies.

College/School: College Of Education**Department:** Dept of Health & Kinesiology**PE 833 Sport Manage & Marketing (3 Credits)****Lecture:** 3, **Lab:** 0

Presentation of cognitive data and experiences in relation to sports and athletic marketing/ management. The problem approach is used as the primary technique in methodology in the solution of marketing/ management problems.

College/School: College Of Education**Department:** Dept of Health & Kinesiology

Psychology (PSY)

PSY 533 Survey Psy Statistics (3 Credits)

Lecture: 3, **Lab:** 0

Designed for students who need practical competence in statistics. The techniques considered include reliability, validity, correlation, t-test, analysis of variance, non-parametric methods and experimental designs. (Prerequisite: Three semester hours of elementary statistics.)

College/School: Liberal Arts & Behavioral Scie

Department: Department of Psychology

PSY 536 Behavior Management (3 Credits)

Lecture: 3, **Lab:** 0

For perspective teachers, counselor, and clinicians. A survey of psychological concerns, treatment procedures, and resources important in management of child behaviors. 3 credit hours.

Prerequisite(s): PSY 531

College/School: Liberal Arts & Behavioral Scie

Department: Department of Psychology

PSY 538 Group Therapy (3 Credits)

Lecture: 3, **Lab:** 0

Theories and concepts underlying the process of group therapy. 3 credit hours.

College/School: Liberal Arts & Behavioral Scie

Department: Department of Psychology

PSY 539 Human Growth and Development (3 Credits)

Lecture: 3, **Lab:** 0

And advanced study of knowledge and thory about human development across the lifespan. The role of genetics, environment, and maturational processes in cognitive, affective, and behavioral development are covered. 3 credit hours.

College/School: Liberal Arts & Behavioral Scie

Department: Department of Psychology

PSY 540 Consultation (3 Credits)

Lecture: 3

This course is designed to the provide an overview of consultation theory, research, and practice in psychology with various settings (e.g. education). Practical application of consultation skills within a problem solving, behavioral/conjoint behavioral consultation framework will be emphasized.

College/School: Liberal Arts & Behavioral Scie

Department: Department of Psychology

PSY 541 Psychological Assessment I (3 Credits)

Lecture: 3

This course will prepare students for work in the field of psychology by training them in the process of comprehensive psychological assessment, including emotional, behavioral, social, personality and vocational assessment methods.

College/School: Liberal Arts & Behavioral Scie

Department: Department of Psychology

PSY 542 Learning and Behavior Management (3 Credits)

Lecture: 3

This course introduces students to major theories of learning and how they can be used to change and manage behavior. This course teaches students the building blocks of behavior management, including how to observe, define and assess behavior, as well as how to effectively implement various behavior management strategies.

College/School: Liberal Arts & Behavioral Scie

Department: Department of Psychology

PSY 631 Research Design (3 Credits)

Lecture: 3, **Lab:** 0

Emphasis on the designing experimental studies that investigate a therapeutic intervention. Provides a systematic analysis and evaluation of research as applied to academic and community problems. (Prerequisite: Three hours in statistics.)

College/School: Liberal Arts & Behavioral Scie

Department: Department of Psychology

PSY 632 Theories of Counseling and Psychological Inverntions (3 Credits)

Lecture: 3

The study of the theoretical principles of counseling and the application of psychological interventions for the treatment of clients in communities and schools. 3 credit hours.

College/School: Liberal Arts & Behavioral Scie

Department: Department of Psychology

PSY 635 Psychological Counseling, Interviewing, and Report Writing (3 Credits)

Lecture: 3, **Lab:** 0

Survey of the techniques and processes involved in psychological counseling, interviewing, and report writing. 3 credit hours.

College/School: Liberal Arts & Behavioral Scie

Department: Department of Psychology

PSY 636 Cognitive Behavior Therapy (3 Credits)

Lecture: 3

Cognitive Behavior Therapy (CBT) is one of the most widely used intervention/treatment approaches in the nation. CBT has been shown efficacious in treating various psychological conditions. This course will train in the selection/implementation of CBT techniques based on disorder, symptoms and patient characteristics.

College/School: Liberal Arts & Behavioral Scie

Department: Department of Psychology

PSY 637 Personality Assessment (3 Credits)

Lecture: 3, **Lab:** 0

Major concepts and techniques in the development and construction of personality assessment instruments including the administration and interpretation of structured and semi-structured instruments.

(Prerequisite: PSY 532)

College/School: Liberal Arts & Behavioral Scie

Department: Department of Psychology

PSY 638 Career Development (3 Credits)

Lecture: 3

Introduction to the theoretical models, research, assessment, and techniques of career counseling. 3 credit hours.

College/School: Liberal Arts & Behavioral Scie

Department: Department of Psychology

PSY 640 Professional Orientation in the Field of Psychology (3 Credits)

Lecture: 3

This course helps prepare students for their careers as mental health professionals. Topics covered include resume/CV writing, seeking licensure, establishing a private practice, self-care, and professional opportunities available within the field.

College/School: Liberal Arts & Behavioral Scie

Department: Department of Psychology

PSY 641 Social, Cultural, and Systemic Bases of Behavior (3 Credits)**Lecture:** 3

This course will emphasize critical analysis and application of social and cross-cultural psychological theories and concepts in understanding human behavior for culturally sensitive conceptualization, diagnostic assessment and treatment of mental illness and psychological disorders across diverse populations.

College/School: Liberal Arts & Behavioral Scie**Department:** Department of Psychology**PSY 642 African American Psychology (3 Credits)****Lecture:** 3

This course will examine the history of African/Black psychology as an evolving field of study. The course will explore a range of topics relevant to the psychological experiences of African Americans such as racism and discrimination, education, kinship and family, religion and spirituality, and racial identity.

College/School: Liberal Arts & Behavioral Scie**Department:** Department of Psychology**PSY 643 Psychological Assessment II (3 Credits)****Lecture:** 3

This course will continue to prepare students for work in the field of psychology by training them in the process of comprehensive psychological assessment, including intellectual (IQ) and cognitive functioning, adaptive behavior, academic achievement, autism, and brief language assessment methods.

Prerequisite(s): PSY 541**College/School:** Liberal Arts & Behavioral Scie**Department:** Department of Psychology**PSY 730 Eth & Legal Issues in Men Hlth (3 Credits)****Lecture:** 3, **Lab:** 3

The study of ethical and legal issues which relate to the mental health professionals.

College/School: Liberal Arts & Behavioral Scie**Department:** Department of Psychology**PSY 731 Role of School Psychologist (3 Credits)****Lecture:** 3

The development of the school psychologist as a member of the school staff. Includes an examination of the research on the role, function, legal and ethical responsibilities of the school psychologist as well as the relationship to staff, administrative and teaching personnel.

College/School: Liberal Arts & Behavioral Scie**Department:** Department of Psychology**PSY 733 Physiological Psychology (3 Credits)****Lecture:** 3, **Lab:** 0

A systematic study of the interrelationship between physiology and the physiological basis of mental functions and the influences of various psychological phenomena on the system of the body. (Prerequisite: Consent of the instructor)

College/School: Liberal Arts & Behavioral Scie**Department:** Department of Psychology**PSY 735 Practicum (3 Credits)****Lecture:** 0, **Lab:** 6

The student will spend at least 150 clock hours working in an approved agency or institution under the clinical supervision of a staff member of the agency or institution who is a certified/licensed psychologist. (Prerequisite: Completion of at least thirty [30] hours of approved graduate work and consent of the cooperating agency. This course may be repeated one time for credit.)

College/School: Liberal Arts & Behavioral Scie**Department:** Department of Psychology**PSY 736 Practicum (3 Credits)****Lecture:** 0, **Lab:** 6

The second of three practicums where the student must spend at least 150 clock hours working in an approved agency or institution under the supervision of a staff member of the agency or institution who is a certified/licensed psychologist. (Prerequisite: Completion of at least thirty [30] hours of approved graduate work and consent of the cooperating agency. This course may be repeated one time for credit.)

College/School: Liberal Arts & Behavioral Scie**Department:** Department of Psychology**PSY 737 Practicum (3 Credits)****Lecture:** 0, **Lab:** 6

The third of three practicums where the student must spend at least 150 clock hours working in an approved agency or institution under the supervision of a staff member of the agency or institution who is a certified/licensed psychologist. (Prerequisite: Completion of at least thirty [30] hours of approved graduate work and consent of the cooperating agency. This course may be repeated one time for credit.)

College/School: Liberal Arts & Behavioral Scie**Department:** Department of Psychology**PSY 739 Psychopathology (3 Credits)****Lecture:** 3, **Lab:** 0

A broad introduction to psychopathology. Students will be introduced to the process of diagnosing abnormal or maladaptive behaviors. Students will also cover the classification system of the most up-to-date DSM. 3 credit hours.

College/School: Liberal Arts & Behavioral Scie**Department:** Department of Psychology**PSY 832 Masters Res & Thesis I (3 Credits)****Lecture:** 0, **Lab:** 6

Directed investigation of special problems in psychology.

College/School: Liberal Arts & Behavioral Scie**Department:** Department of Psychology**PSY 833 Masters Res & Thesis II (3 Credits)****Lecture:** 0, **Lab:** 6

Directed investigation of special problems in psychology.

College/School: Liberal Arts & Behavioral Scie**Department:** Department of Psychology**PSY 834 Consultation and Program Design in School Psychology (3 Credits)****Lecture:** 3

This acquisition of psychological consultation principles such as program design and evaluation and other skills, appropriate for the work of a school psychologist. 3 credit hours.

College/School: Liberal Arts & Behavioral Scie**Department:** Department of Psychology

PSY 899 School Psychology (3 Credits)**Lecture:** 0, **Lab:** 4

Direct experience in assessment, intervention, behavior management, and consultation within the schools. The intern must be supervised by a Licensed Psychologist and have at least two hour of face-to-face contact with the supervisor each week. 3 credit hours.

College/School: Liberal Arts & Behavioral Scie**Department:** Department of Psychology

Public Administration (PAD)

PAD 500 Theory & Practice (3 Credits)**Lecture:** 3, **Lab:** 0

General survey of the field of public sector management and administration. Addresses administrative theory, policy, decisionmaking, and the concepts and practices of organizational management.

College/School: The School of Public Affairs**Department:** 2338**PAD 501 Leadership & Decision Making (3 Credits)****Lecture:** 3, **Lab:** 0

The techniques of decision analysis and methodology for making decisions. Focus on risk and uncertainty in the choice among policy alternatives.

College/School: The School of Public Affairs**Department:** 2338**PAD 502 Research Meth In Pub Adm (3 Credits)****Lecture:** 3, **Lab:** 0

Concepts and methods employed in administrative research and analysis with emphasis on methodological assumptions; problems and issues in research design.

College/School: The School of Public Affairs**Department:** 2338**PAD 503 Quantitative Methods I (3 Credits)****Lecture:** 3, **Lab:** 0

Modeling course introducing classical deterministic optimization models. Topics include linear programming, probabilistic, and statistical models.

College/School: The School of Public Affairs**Department:** 2338**PAD 504 Quantitative Methods II (3 Credits)****Lecture:** 3, **Lab:** 0

An applied course in regression analysis, hypothesis testing, estimation, and time series analysis. Strong emphasis will be placed on forecasting techniques. Uses mini-taps, SAS, and SPSS. (Prerequisite PAD 503)

Prerequisite(s): (PAD 503)**College/School:** The School of Public Affairs**Department:** Dept of Political Sci & Pub Af**PAD 506 Program Evaluation (3 Credits)****Lecture:** 3, **Lab:** 0

Analysis of alternative designs for evaluating the performance of programs. Emphasis on designing an evaluation study through application principles and problems encountered in evaluation research. (Prerequisites PAD 502, 503)

College/School: The School of Public Affairs**Department:** Dept of Political Sci & Pub Af**PAD 507 Organization Behavior & Theory (3 Credits)****Lecture:** 3, **Lab:** 0

An exploration of the various relationships between organization and management in both the public and private spheres. Utilization of live-case method.

College/School: The School of Public Affairs**Department:** 2338**PAD 508 Administrative Regulations (3 Credits)****Lecture:** 3, **Lab:** 0

Administrative Regulations (3) hrs. Focus on the statutory, regulatory, and adjudicative functions of public agencies and the legal context. Reviews interpretation of administrative orders, rules, regulations, contracts and documents.

College/School: The School of Public Affairs**Department:** Dept of Political Sci & Pub Af**PAD 509 Computer Appls in Public Admin (3 Credits)****Lecture:** 3

Focuses on current practices for data gathering and analysis with the use of computers.

College/School: The School of Public Affairs**Department:** Dept of Political Sci & Pub Af**PAD 620 The Policy Making Process (3 Credits)****Lecture:** 3, **Lab:** 0

An examination of the process by which policy is formulated and implemented, emphasis on relationships between the political process and policy outcomes in illustrative policy areas.

College/School: The School of Public Affairs**Department:** 2338**PAD 621 Soc Res & Soc Policy (3 Credits)****Lecture:** 3, **Lab:** 0

Implications of social science research for social policy. Experimental and research designs useful for deciding which program features to examine systematically.

College/School: The School of Public Affairs**Department:** 2338**PAD 622 Science, Tech & Pub Policy (3 Credits)****Lecture:** 3, **Lab:** 0

An examination of the impact of science and technology upon governmental policy in the United States.

College/School: The School of Public Affairs**Department:** 2338**PAD 623 Pub Policy Anal Mthds (3 Credits)****Lecture:** 3, **Lab:** 0

Application of theories and techniques of policy analysis to current public problems. Focus on design and execution of policy research.

College/School: The School of Public Affairs**Department:** Dept of Political Sci & Pub Af**PAD 624 Issues on Aging (3 Credits)****Lecture:** 3, **Lab:** 0

Addresses range of issues, including employment, health care, housing, income security, and social services. Also addresses social security and Medicare programs.

College/School: The School of Public Affairs**Department:** Dept of Political Sci & Pub Af

PAD 630 Pub Fin Mgmt (3 Credits)**Lecture:** 3, **Lab:** 0

An introduction to capital budgeting, financial decision-making and valuation. Discussion of financing problems and sources associated with public projects.

College/School: The School of Public Affairs**Department:** Dept of Political Sci & Pub Af**PAD 631 Gov Budgeting & Financial Mgmt (3 Credits)****Lecture:** 3, **Lab:** 0

The design and use of planning, budgeting, and other information systems in the control and evaluation of programs. Multi project valuation techniques will be emphasized.

College/School: The School of Public Affairs**Department:** 2338**PAD 633 Man Fin Anal Methods (3 Credits)****Lecture:** 3, **Lab:** 0

Decision making models involving the major components of financial management. Emphasis is placed upon the application of analytical methods to portfolio management.

Prerequisite(s): (PAD 630)**College/School:** The School of Public Affairs**Department:** Dept of Political Sci & Pub Af**PAD 634 Gov Budgeting & Financial Mgmt (3 Credits)****Lecture:** 3, **Lab:** 0**College/School:** The School of Public Affairs**Department:** Dept of Political Sci & Pub Af**PAD 640 Pub Pers Admin Th & Pract (3 Credits)****Lecture:** 3, **Lab:** 0

Fundamentals in personnel employment and placement, staff and evaluation, wage and salary administration, employment benefits and services, and labor relations.

College/School: The School of Public Affairs**Department:** 2338**PAD 641 Human Res & Org Pln (3 Credits)****Lecture:** 3, **Lab:** 0

Involves critical analysis related to personnel and organizational structure and function. Emphasizes research, planning, staffing and budget preparation.

Prerequisite(s): (PAD 640)**College/School:** The School of Public Affairs**Department:** Dept of Political Sci & Pub Af**PAD 642 Labor Rel Coll Barg (3 Credits)****Lecture:** 3, **Lab:** 0

The rise of labor unions in the public sector. Reviews the collective bargaining process and the legal framework of collective bargaining.

College/School: The School of Public Affairs**Department:** 2338**PAD 643 Human & Employee Benefits (3 Credits)****Lecture:** 3

Provides a comprehensive introduction to employee benefits in relations to Human Resources in government and compares public and private sector benefits.

College/School: The School of Public Affairs**Department:** Dept of Political Sci & Pub Af**PAD 644 Special Topics in Human Res (3 Credits)****Lecture:** 3**College/School:** The School of Public Affairs**Department:** Dept of Political Sci & Pub Af**PAD 650 Intergovernmental Relations (3 Credits)****Lecture:** 3, **Lab:** 0

Examines relationships and cooperative functions in federal, state, and local governmental units. Emphasis on the urban administrator's role in changing patterns of cooperation and coordination.

College/School: The School of Public Affairs**Department:** 2338**PAD 651 Urban Admin Systems (3 Credits)****Lecture:** 3, **Lab:** 0

An overview of the position of cities in the American governmental system, highlighting relationships between administrative, political, social, and economic features of urban life.

College/School: The School of Public Affairs**Department:** Dept of Political Sci & Pub Af**PAD 652 Human Services Admin (3 Credits)****Lecture:** 3, **Lab:** 0

A focus on the various approaches to planning, delivery and administration of human services through public, private, and nonprofit organizations.

College/School: The School of Public Affairs**Department:** Dept of Political Sci & Pub Af**PAD 660 Com Pub Admin West Nations (3 Credits)****Lecture:** 3, **Lab:** 0

Theories of development, roles of international institutions in resource exchanges, foreign investment and trade, and development of modernization.

College/School: The School of Public Affairs**Department:** 2338**PAD 661 Sel Topics in Comp Intern Dev (3 Credits)****Lecture:** 3, **Lab:** 0

Selected topics emphasizing issues with respect to comparing roles of international institutions.

College/School: The School of Public Affairs**Department:** Dept of Political Sci & Pub Af**PAD 662 Comp Pub Admin Dev Nations (3 Credits)****Lecture:** 3, **Lab:** 0

Looks at the role of the administrative process of political development. An emphasis upon bureaucracy and political change in emerging nations.

College/School: The School of Public Affairs**Department:** Dept of Political Sci & Pub Af**PAD 663 Sem on Dev Societies (3 Credits)****Lecture:** 3, **Lab:** 0

Analysis of traditional and transitional societies; theories and practices of developmental change; role bureaucracy in development, institutional buildings, public enterprises, technology assessment and transfer.

College/School: The School of Public Affairs**Department:** Dept of Political Sci & Pub Af**PAD 700 Internship (3 Credits)****Lecture:** 0, **Lab:** 15

A supervised program in regularly scheduled work and independent research in a public or governmental agency under the direction of an agency supervisor, and internship coordinator. Students who have had three or more years of experience in the public sector, or who are currently in the public sector, may be permitted to substitute six (6) credit hours of course work for the internship requirement. (Prerequisite 24 credit hours)

College/School: The School of Public Affairs**Department:** Dept of Political Sci & Pub Af

PAD 701 Independent Study (3 Credits)**Lecture:** 3

Independent study is a course conducted by graduate students under direct supervision of individual faculty members or the Program Director. Students' work is evaluated based on reports, papers, and exams. The independent study course provides an opportunity for students to "design your own course."

College/School: The School of Public Affairs**Department:** 2338**PAD 705 Topical Seminar (3 Credits)****Lecture:** 3, **Lab:** 0

Selected topics emphasizing contemporary issues in the public sector and public policy. Elective courses may be taken in business administration, urban planning and environmental policy, law, transportation management or any approved area related to public administration.

College/School: The School of Public Affairs**Department:** 2338**PAD 708 Administrative Regulations (3 Credits)****Lecture:** 3

Focus on the statutory, regulatory, and adjudicative functions of public agencies and the legal context. Reviews interpretation of administrative orders, rules, regulations, contracts and documents.

College/School: The School of Public Affairs**Department:** Dept of Political Sci & Pub Af**PAD 710 Capstone (3 Credits)****Lecture:** 3

Practical experience and research (independent and group) that bridges academic and professional experience, to include presentations, field experience, and an applied policy or research project.

College/School: The School of Public Affairs**Department:** 2338

Radio/TV/Film (RTF)

RTF 501 Master's Seminar in Mass Media Projects (3 Credits)**Lecture:** 3

A preparatory course for researching, planning, and proposing the master's project. The examination and discussion of various media forms and to help students select a topic and design and produce the master's project. Three hours of lecture per week. Pre-requisite: none

College/School: School of Communication**Department:** School of Communication**RTF 510 Visual Storytelling (3 Credits)****Lecture:** 3

A developmental course in basic skills in media aesthetics, videography and editing using a variety of multimedia production tools. Four hours of lecture per week with studio hours to be arranged. Prerequisite: none

College/School: School of Communication**Department:** Dept of Radio, TV and Film**RTF 535 Media Entrepreneurship (3 Credits)****Lecture:** 3

Fund-raising, promotional and business planning for media projects, including the use of websites and social media. Three hours of lecture per week. Pre-requisite: CM 501, JOUR 505 and CM 510.

Prerequisite(s): (CM 501 and JOUR 505 and CM 510)**College/School:** School of Communication**Department:** School of Communication**RTF 538 Impact of Elec Technologies (3 Credits)****Lecture:** 3, **Lab:** 2

IMPACT OF ELECTRONIC TECHNOLOGY (3) The impact of the change from conventional to digital technology on the mass media industries.

College/School: School of Communication**Department:** Dept of Radio, TV and Film**RTF 539 International Media Systems (3 Credits)****Lecture:** 3, **Lab:** 2

INTERNATIONAL MEDIA SYSTEMS (3) Cultural, economic, political and social factors affecting electronic communication internationally; the role of electronic communication in affecting social change in developed and developing countries. Offered as needed. (Same as JOURN 539)

College/School: School of Communication**Department:** Dept of Radio, TV and Film**RTF 540 Instructional Media Techniques (4 Credits)****Lecture:** 4

The use of digital technology to create instructional material for the classroom. Four hours of lecture per week with studio hours to be arranged.

Prerequisite(s): (CM 501 and JOUR 505 and CM 510)**College/School:** School of Communication**Department:** Dept of Radio, TV and Film**RTF 546 Digital Animation (4 Credits)****Lecture:** 4

Introduction to computer-generated animation using current digital animation software. Four hours of lecture per week with studio hours to be arranged.

Prerequisite(s): (CM 501 and CM 510 and JOUR 505)**College/School:** School of Communication**Department:** Dept of Radio, TV and Film**RTF 550 Probs in Telecom (3 Credits)****Lecture:** 3, **Lab:** 2

PROBLEMS IN ELECTRONIC MEDIA (3) ** Analysis of the management decision-making process in electronic media with particular reference to program policies, sales and personnel administration. Offered as needed.

College/School: School of Communication**Department:** Dept of Radio, TV and Film**RTF 560 Digital Film Production (4 Credits)****Lecture:** 4

A hands-on, introductory course to digital filmmaking using new digital video equipment. Includes scriptwriting, producing, directing and editing a number of shorts, using digital video cameras and editing applications such as Avid and Final Cut Production. Students are responsible for material used in the course. The School will provide equipment only. Four hours of lecture per week with studio hours to be arranged.

Prerequisite(s): (CM 501 and JOUR 560 and RTF 515 and CM 520)**College/School:** School of Communication**Department:** Dept of Radio, TV and Film**RTF 561 Seminar in Elec Media (3 Credits)****Lecture:** 3, **Lab:** 2

SEMINAR IN ELECTRONIC MEDIA (3) ** An in-depth examination of the electronic mass media: reviews, practices, impact, audience behavior and other factors.

College/School: School of Communication**Department:** Dept of Radio, TV and Film

RTF 562 Television Production (4 Credits)**Lecture:** 4, **Lab:** 0

Introduction to production of programs for television and broadcast news using multi-camera studio production techniques. Four hours of lecture per week with studio and field hours to be arranged. Prerequisite: CM 501, Jour 505 and CM 510.

College/School: School of Communication**Department:** Dept of Radio, TV and Film**RTF 563 New Video Applications (3 Credits)****Lecture:** 3, **Lab:** 0

NEW VIDEO APPLICATIONS (3) ** Principles and concepts of internet media use. Applications for utilization of streaming audio, video, teleconferencing and other associated systems. Offered as needed.

College/School: School of Communication**Department:** Dept of Radio, TV and Film**RTF 564 Documentary Production (4 Credits)****Lecture:** 4

The course will cover proposal writing, research, shooting, editing and packaging of short documentaries. This is a hand-on-course that requires many outside class involvement. Four hours of lecture per week with studio and field hours to be arranged. Prerequisite: CM 501, Jour 505 and CM 510/

Prerequisite(s): (CM 501 and JOUR 505 and CM 510)**College/School:** School of Communication**Department:** Dept of Radio, TV and Film**RTF 578 African American and Film (3 Credits)****Lecture:** 3**College/School:** School of Communication**Department:** Dept of Radio, TV and Film**RTF 590 Media Management (3 Credits)****Lecture:** 3, **Lab:** 0

MEDIA MANAGEMENT (3) Analysis of the management decision-making process in media radio, television, and print and the internet, primarily with reference to programming policies, sales, and personnel administration. (Same as JOUR 590)

College/School: School of Communication**Department:** Dept of Radio, TV and Film**RTF 664 Graduate Practicum (6 Credits)****Lecture:** 6, **Lab:** 0**College/School:** School of Communication**Department:** Dept of Radio, TV and Film

Reading (RDG)

RDG 574 Fund Of Reading Instruction (3 Credits)**Lecture:** 3, **Lab:** 0

FUNDAMENTALS OF READING INSTRUCTION (3) Presents an overview of the basic concepts in reading, a survey of various programs in today's schools, and an appraisal of materials to meet varying needs of diverse learners.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**RDG 630 Fac Prof Dev Sem (2 Credits)****Lecture:** 2**College/School:** College Of Education**Department:** Dept of Curriculum & Instructn**RDG 732 Prim/Midl School Rdg Instruct (3 Credits)****Lecture:** 3

PRIMARY/MIDDLE SCHOOL READING INSTRUCTION (3) Provides opportunities to study methods, laboratory methods, and student-planned learning exercises and materials for improving the teaching of reading in the primary and middle schools. It explores strategies to promote an appreciation of books, and it addresses instruction for all levels.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**RDG 873 Issues on Trends in Reading (3 Credits)****Lecture:** 3

ISSUES, PROBLEMS AND TRENDS IN LITERACY (3) Provides an historical and theoretical perspective of reading and writing theory and instruction with an emphasis on literacy in a technological society.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**RDG 874 Diagnostic & Remedial Reading (3 Credits)****Lecture:** 2, **Lab:** 1

DIAGNOSTICS AND REMEDIAL READING INSTRUCTION (3) Presents diagnostic procedures and techniques used in determining the nature and causes of reading difficulties and strategies for planning instruction to meet individual needs.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**RDG 875 Practicum In Reading I (3 Credits)****Lecture:** 3, **Lab:** 0

PRACTICUM IN READING I (3) Creates opportunities for observation and participation in a clinical program of reading. Includes diagnostic testing, remedial teaching and the compiling of clinical records. (Prerequisite: RDG 874 or advisor approval)

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**RDG 877 Content Area Rdg (3 Credits)****Lecture:** 3

CONTENT READING/STUDY SKILLS (3) Prepares participants, in a reading clinic setting, to work with students to develop reading skills appropriate to their maturity, develop therapeutic techniques for retarded readers, and master skills to organize a developmental reading program.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**RDG 888 Practicum In Reading II (3 Credits)****Lecture:** 3, **Lab:** 0

PRACTICUM IN READING II (3) Creates opportunities for observation and participation in a clinical program of reading. Includes diagnostic testing, remedial teaching, compiling clinical records, and parental involvement in the entire process. (Prerequisites: Advisor approval and RDG 874 and RDG 875)

Prerequisite(s): (RDG 874)**College/School:** College Of Education**Department:** Dept of Curriculum & Instructn

Sociology (SOC)

SOC 525 Fundamentals of Sociology (3 Credits)

Lecture: 3, **Lab:** 0

FUNDAMENTALS OF SOCIOLOGY (3) Introduction to central concepts, methods, and professional practices in sociology; development of basic skills used in theoretical and empirical work; and orientation to the discipline and this Department of Sociology.

College/School: Liberal Arts & Behavioral Scie

Department: Dept of Sociology

SOC 530 Topical Seminar (3 Credits)

Lecture: 3, **Lab:** 0

TOPICAL SEMINAR (3) An analysis of contemporary sociological issues affecting individuals and groups in a rapidly changing society.

College/School: Liberal Arts & Behavioral Scie

Department: Dept of Sociology

SOC 532 Sociology Of Religion (3 Credits)

Lecture: 3, **Lab:** 0

SOCIOLOGY OF RELIGION (3) Examination of social dimensions of religion, the relationship between religion and society, sociological theories of religion, religious organizations and behavior, religion and social change, secularization and the future of religion.

College/School: Liberal Arts & Behavioral Scie

Department: Dept of Sociology

SOC 539 Seminar in Urban Sociology (3 Credits)

Lecture: 3, **Lab:** 0

SEMINAR IN URBAN SOCIOLOGY (3) Social and demographic characterization and organization of urban communities with emphasis on techniques of identifying structures, institutions, systems and leadership.

College/School: Liberal Arts & Behavioral Scie

Department: Dept of Sociology

SOC 545 Sociology of Family (3 Credits)

Lecture: 3, **Lab:** 0

SOCIOLOGY OF THE FAMILY (3) Key concepts and processes of family sociology with application to sexuality, partner selection, transition to parenthood, parenting and children, housework and paid work, domestic violence and child abuse, divorce and marriage, grandparenting, care giving, and alternative families.

College/School: Liberal Arts & Behavioral Scie

Department: Dept of Sociology

SOC 554 Advanced Sociological Statist (3 Credits)

Lecture: 3, **Lab:** 0

ADVANCED SOCIOLOGICAL STATISTICS (3) Advanced statistical methods with emphasis on multiple regression techniques.

College/School: Liberal Arts & Behavioral Scie

Department: Dept of Sociology

SOC 557 Advanced Sociological Theory (3 Credits)

Lecture: 3, **Lab:** 0

ADVANCED SOCIOLOGICAL THEORY (3) Examination of the major theoretical orientations in sociology, with special attention given to the early history of conflict theory, functionalism, and symbolic interaction.

College/School: Liberal Arts & Behavioral Scie

Department: Dept of Sociology

SOC 559 Urban Research Methods (3 Credits)

Lecture: 3, **Lab:** 0

URBAN RESEARCH METHODS (3) Examination of urban indicators, research design, and field problems in urban research.

College/School: Liberal Arts & Behavioral Scie

Department: Dept of Sociology

SOC 623 Seminar In Social Psychology (3 Credits)

Lecture: 3, **Lab:** 0

SEMINAR IN SOCIAL PSYCHOLOGY (3) Examination of selected social psychological theories and their current role and status.

College/School: Liberal Arts & Behavioral Scie

Department: Dept of Sociology

SOC 634 Crim Jus & Urban Comm (3 Credits)

Lecture: 3, **Lab:** 0

CRIMINAL JUSTICE AND THE URBAN COMMUNITY (3) Critical analysis of the subsystems of the criminal justice system and their impact on the urban community.

College/School: Liberal Arts & Behavioral Scie

Department: Dept of Sociology

SOC 639 Seminar In Urban Pol Sociology (3 Credits)

Lecture: 3, **Lab:** 0

SEMINAR IN URBAN POLITICAL SOCIOLOGY (3) The application of sociological theory and analysis to political processes and systems in urban settings.

College/School: Liberal Arts & Behavioral Scie

Department: Dept of Sociology

SOC 655 Internship (3 Credits)

Lecture: 0, **Lab:** 0

SOC 655A INTERNSHIP (3) Supervised work and instruction in formal organizations relevant to the student's area of specialization. Must take parts A and B for credit. SOC 655B INTERNSHIP (3) Supervised work and instruction in formal organizations relevant to the student's area of specialization. Must complete parts A and B for credit

College/School: Liberal Arts & Behavioral Scie

Department: Dept of Sociology

SOC 710 Seminar in Soc Stratification (3 Credits)

Lecture: 3

SEMINAR IN SOCIAL STRATIFICATION (3) Theoretical analysis of how social class, status, and power shape social relations, determine life chances, and affect attitudes, opinions, and political choices of individuals and groups, all of which perpetuate systems of class, gender, and race inequality, and degree of social mobility in societies.

College/School: Liberal Arts & Behavioral Scie

Department: Dept of Sociology

SOC 715 Sociology of Learning (3 Credits)

Lecture: 3, **Lab:** 0

SOCIOLOGY OF LEARNING (3) Examination of schools and classrooms as social environments and sociocultural principles for desired teaching strategies and learning.

College/School: Liberal Arts & Behavioral Scie

Department: Dept of Sociology

SOC 720 Sem In Clinical Soc (3 Credits)

Lecture: 3, **Lab:** 0

SEMINAR IN CLINICAL SOCIOLOGY (3) Presentation and analysis of the creation of sociological knowledge and the clinical application of that knowledge to various settings of group life.

College/School: Liberal Arts & Behavioral Scie

Department: Dept of Sociology

SOC 739 Sem in Public and Soc Policy (3 Credits)**Lecture:** 3

SEMINAR IN PUBLIC AND SOCIAL POLICY (3) Policy analysis, design and implementation issues related.

College/School: Liberal Arts & Behavioral Scie**Department:** Dept of Sociology**SOC 750 Race and Ethnicity (3 Credits)****Lecture:** 3, **Lab:** 0

RACE and ETHNICITY (3) Analysis of social factors affecting racial and ethnic groups.

College/School: Liberal Arts & Behavioral Scie**Department:** Dept of Sociology**SOC 840 Seminar in Gerontology (3 Credits)****Lecture:** 3

SEMINAR IN GERONTOLOGY (3) Examination of sociological theories and analyses relevant to various socio-cultural components of aging.

College/School: Liberal Arts & Behavioral Scie**Department:** Dept of Sociology**SOC 857 Advanced Sociological Theory (3 Credits)****Lecture:** 3, **Lab:** 0

ADVANCED SOCIOLOGICAL THEORY (3) Advanced analysis of recent developments in sociological theory, including the relationship of theory to empirical research.

College/School: Liberal Arts & Behavioral Scie**Department:** Dept of Sociology**SOC 859 Advance Project Design (3 Credits)****Lecture:** 3, **Lab:** 0

ADVANCED PROJECT DESIGN (3) Research and project problem definition, research and project design.

College/School: Liberal Arts & Behavioral Scie**Department:** Dept of Sociology**SOC 880 Sociology of Hlth and Medicine (3 Credits)****Lecture:** 3, **Lab:** 0

SOCIOLOGY OF HEALTH AND MEDICINE (3) The analysis of present and emerging sociological conceptualizations designed to understand the development, functions, organization and processes involved in contemporary systems of health and medicine.

College/School: Liberal Arts & Behavioral Scie**Department:** Dept of Sociology**SOC 899 Thesis (3 Credits)****Lecture:** 3, **Lab:** 3

THESIS (3) Project development, data collection and analysis.

College/School: Liberal Arts & Behavioral Scie**Department:** Dept of Sociology

Special Education (SPED)

SPED 552 Intro Ed Of Except Children (3 Credits)**Lecture:** 3, **Lab:** 0

INTRODUCTION TO EDUCATION OF EXCEPTIONAL CHILDREN (3) Examines the historical context of special education and legislation that has changed the course of the field. Also focuses on disability as a socially constructed response to human differences. (Co-requisite: SPED 553.)

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**SPED 553 Psy Found Ed Of Except Chldrn (3 Credits)****Lecture:** 3, **Lab:** 0

PSYCHOLOGICAL FOUNDATIONS IN EDUCATION OF EXCEPTIONAL CHILDREN (3) Provides an orientation to high and low incidence disabilities. Focuses on the characteristics of each disability and issues related to academic and social learning for students with disabilities. (Co-requisite: SPED 552.)

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**SPED 554 Probs Ed Except Children (3 Credits)****Lecture:** 3, **Lab:** 0

PROBLEMS IN EDUCATING EXCEPTIONAL CHILDREN (3) Examines issues related to the importance of collaboration as a mechanism for student learning and success in schools. Focuses on team teaching and collaboration between school personnel, parents and the community.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**SPED 555 Psycho-Ed Diagnosis (3 Credits)****Lecture:** 3, **Lab:** 0**College/School:** College Of Education**Department:** Dept of Curriculum & Instructn**SPED 556 Psycho-Ed Intervention (3 Credits)****Lecture:** 3, **Lab:** 0

PSYCHO-EDUCATION INTERVENTION (3) Explores teaching and assessment strategies to facilitate the participation and learning of students with disabilities in the general education classroom. Includes a focus on differentiation instruction.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**SPED 557 Imp & Eval Diag-Prescriptv Tchg (3 Credits)****Lecture:** 3, **Lab:** 0

IMPLEMENTATION AND EVALUATION: DIAGNOSTIC-PRESCRIPTIVE TEACHING (3) Emphasizes the tools and techniques of positive behavior support for creating classrooms that are inclusive and responsive to student needs.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**SPED 558 Practicum In Special Ed (3 Credits)****Lecture:** 3, **Lab:** 0

PRACTICUM IN EDUCATION (3) Provides opportunities for candidates to integrate theory and practice as they work with students in K-12.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**SPED 559 Research In Special Ed (3 Credits)****Lecture:** 0, **Lab:** 6

RESEARCH IN SPECIAL EDUCATION (3) Provides the basic skills needed to conduct research in special education. Introduces quantitative, qualitative and mixed methods research.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn**SPED 600 Individual Projects (3 Credits)****Lecture:** 0, **Lab:** 6

INDIVIDUAL PROJECT (3) Provides students with an opportunity to increase learning outcomes by participating in an independent project to apply and evaluate effective instructional practices for exceptional learners.

College/School: College Of Education**Department:** Dept of Curriculum & Instructn

Speech Communications (SC)

SC 532 Hist & Anal Rhet Thry & Crit (3 Credits)

Lecture: 3, **Lab:** 0

HISTORY AND ANALYSIS OF RHETORICAL THEORY AND CRITICISM

(3) Study of the history and tradition of rhetorical theory, criticism and pedagogy practiced in western civilization from the pre- Socratic to the present.

College/School: School of Communication

Department: Dept of Communication Arts/Sci

SC 539 International Communication (3 Credits)

Lecture: 3, **Lab:** 0

College/School: School of Communication

Department: Dept of Communication Arts/Sci

SC 543 Ethnography Of Communication (3 Credits)

Lecture: 3, **Lab:** 0

THE ETHNOGRAPHY OF COMMUNICATION (3) In-depth study of effective methods of observing, recording, and evaluating materials for description and analysis utilizing tape recordings, cinematography and/or linguistic transcription.

College/School: School of Communication

Department: Dept of Communication Arts/Sci

SC 549 Interpersonal Commun (3 Credits)

Lecture: 3, **Lab:** 0

SEMINAR IN INTERPERSONAL COMMUNICATION (3) Models, theories, and variables related to communication in relatively unstructured face-to-face communication.

College/School: School of Communication

Department: Dept of Communication Arts/Sci

SC 550 Seminar: Issues in Speech Communication (3 Credits)

Lecture: 3, **Lab:** 0

Analysis of current research in problems related to the field of speech. Comparison of contemporary theories, emphasis on predictions of future theories in speech and cognate communication. May be repeated as topic changes. Course meets 3 credit hours per week.

College/School: School of Communication

Department: School of Communication

SC 551 Studies In Public Communicatio (3 Credits)

Lecture: 3, **Lab:** 0

STUDIES IN PUBLIC COMMUNICATION (3) Theories of persuasion and their application to legal, religions, and political-governmental communication and historical movements. May be repeated once for credit when major focus changes.

College/School: School of Communication

Department: Dept of Communication Arts/Sci

SC 552 Organization Comm Theories (3 Credits)

Lecture: 3, **Lab:** 0

ORGANIZATIONAL COMMUNICATION THEORIES (3) Dimensions and levels of communication behavior in complex organizations.

College/School: School of Communication

Department: Dept of Communication Arts/Sci

Sport Administration (SSSA)

SSSA 511 Administration of Interscholastic & Intercollegiate Athletic Programs (3 Credits)

Lecture: 3

This course embodies practical methods and innovative techniques needed by interscholastic and intercollegiate athletic administrators. The topics presented are directly related to the responsibilities undertaken by athletic program personnel who guide adolescent intercollegiate and young adult collegiate participants. Some examples of those topics include developing a program philosophy, responsibilities of an athletic administrator, academic standards and eligibility, etc.

College/School: College Of Education

Department: Dept of Health & Kinesiology

SSSA 513 Sports Governance & Policy Development (3 Credits)

Lecture: 3

This course provides an overview of how sport in general and interscholastic and intercollegiate athletics in particular are governed in the United States. The course also examines how sport policies are formulated and how they impact the operations of a sport organization. The roles and functions of state athletic associations in interscholastic athletics and the NCSA and NAIA governance and discussed and analyzed.

College/School: College Of Education

Department: Dept of Health & Kinesiology

SSSA 576 Risk Management and Legal Liability in Recreation and Leisure Activities (3 Credits)

Lecture: 3

Legal issues related to delivery of recreation, leisure and recreational sport services including legal foundations, liability and tort policy, employment laws, disability services, malpractice concerns, insurance, and current issues. This course is designed to assist individuals in developing risk management strategies. Content includes fundamentals of facility design and preventive maintenance in reaction, park, and tourism settings. This is a problem-based learning course, including case study, problem solving, project applications, and working with stakeholders. The course reviews negligence and liability issues in recreation and sport, examines the history and legal definitions.

College/School: College Of Education

Department: Dept of Health & Kinesiology

SSSA 629 Development & Fundraising In Sports (3 Credits)

Lecture: 3

This segment on Development and Fundraising is designed to allow students to learn the importance of a comprehensive fundraising program in the Interscholastic and Intercollegiate Athletics environment. As rising costs and diminishing institutional support becomes more and more prevalent, the need for support from those who admire and encourage the interscholastic and intercollegiate athletic experience becomes urgently important. Students will learn the basic components of development, research, solicitation, asking, stewardship, etc.

College/School: College Of Education

Department: Dept of Health & Kinesiology

Sport Foundations (SSFD)

SSFD 661 Legal Aspects of Sport Business (3 Credits)

Lecture: 3

This course is a comprehensive review of legal aspects affecting sport, recreation, and fitness Industries. The range of review includes civil procedure; contracts; employment, leases, waivers; tort liability for coaches, administrators, employees, and independent contractors; 14th Amendment, Due Process and Equal Protection; product liability; and statutory regulation including Title VII, Title IX, ADA, Anti-Trust and IRS code.

College/School: College Of Education

Department: Dept of Health & Kinesiology

SSFD 663 African Americans, Latin Americans & Women In Sports And The Sport Industry (3 Credits)

Lecture: 3

Knowledge of African American and Hispanic world views, cultural values, societal and socioeconomic factors form a basis for evaluation and development of physical activity/sport programs to assist academic retention and success. A historical and sociological study of women and sports in American culture and an examination of the recent changes in women's athletics.

College/School: College Of Education

Department: Dept of Health & Kinesiology

SSFD 664 Problems In Urban Recreation and Sports (3 Credits)

Lecture: 3

This course provides a critical analysis of the causes and consequences of contemporary problems in urban sports. Students will utilize the case-study approach to examine the social, political and economic factors influencing the structure and experience of sport in American cities. Emphasis will be placed on formulating solutions and potential strategies to address identified problems.

College/School: College Of Education

Department: Dept of Health & Kinesiology

SSFD 667 Graduate Sport Management Practicum (3 Credits)

Lecture: 3

Student is placed in a full-time position in the sport industry. (Prerequisites: Students must have completed all course work, must have successfully passed the comprehensive examination, and must have an approved application for Practicum. Also, an acceptable site must be available.) (Prerequisite: All preceding requirements for Master of Science.)

College/School: College Of Education

Department: Dept of Health & Kinesiology

SSFD 668 Graduate Thesis In Progress (3 Credits)

Lecture: 3

The writing of the thesis is under the supervision of a thesis advisor from the graduate faculty of the Department of Health and Kinesiology. (Prerequisite: All preceding requirements for Master of Science.)

College/School: College Of Education

Department: Dept of Health & Kinesiology

SSFD 896 Sport Management Study Away/Study Abroad I (1 Credits)

Lecture: 1

This course will provide students an examination of the principles involved in planning and managing external remote sporting events outside of Houston and Texas Southern University. It provides students with orientation, observations and field experiences in the development of external remote sporting events. Students will also partake in tours, hospitality management, and external remote sporting events related to the core product of the sporting competitions themselves. May be repeated for credit, up to 3 hours.

College/School: College Of Education

Department: Dept of Health & Kinesiology

SSFD 897 Sport Management Study Away/ Study Abroad II (1 Credits)

Lecture: 1

This course will provide students an examination of the principles involved in planning and managing external remote sporting events outside of Houston and Texas Southern University. It provides students with orientation, observations and field experiences in the development of external remote sporting events. Students will also partake in tours, hospitality management, and external remote sporting events related to the core product of the sporting competitions themselves. May be repeated for credit.

College/School: College Of Education

Department: Dept of Health & Kinesiology

SSFD 898 Global Sport, Culture, & Leadership (3 Credits)

Lecture: 3

Description This course will explore sport within several countries and the globalization of sport. Students will meet with and learn from entrepreneurs, managers, administrators, and leaders in sport business areas of marketing, operations, management, law, and others. This course will provide application for the development of skills necessary to be an effective and efficient leader regarding communication, motivation and corporate decision making in sport.

College/School: College Of Education

Department: Dept of Health & Kinesiology

SSFD 8398 Global Sport, Culture & Leadership (3 Credits)

Lecture: 2, Lab: 1

This course will explore sport within several countries and the globalization of sport. Students will meet with and learn from entrepreneurs, managers, administrators, and leaders in sport business areas of marketing, operations, management, law, and others. This course will provide application for the development of skills necessary to be an effective and efficient leader regarding communication, motivation and corporate decision making in sport.

College/School: College Of Education

Department: Dept of Health & Kinesiology

Sport Leadership (SSSL)

SSSL 643 Sport Leadership & Administration (3 Credits)

Lecture: 3

This course is designed to introduce managerial and administrative concepts to athletic coaches. These concepts are integral to the successful development of an athletic program, information concerning the practical application of business models and theories pertaining to the athletic administration and sports coaching professions will be presented. Also, business techniques associated with the survival and growth of an athletic program will be examined.

College/School: College Of Education

Department: Dept of Health & Kinesiology

SSSL 647 The Ethical Leader (3 Credits)**Lecture:** 3

This course is concerned with the study of sports management ethics and the manner in which ethics can be applied and implemented in an individual's personal and professional life. It considers the conflicts that can arise when individual values conflict with those of the organization. Uses case studies and current events to examine actions leaders have taken and consequences faced when confronted with ethical dilemmas.

College/School: College Of Education**Department:** Dept of Health & Kinesiology**SSSL 649 Developing Leadership Skills (3 Credits)****Lecture:** 3**College/School:** College Of Education**Department:** Dept of Health & Kinesiology**SSSL 659 Sport, Strategic Planning, and Tactical Analytics Capstone (3 Credits)****Lecture:** 3

The culmination of all course work and academic experience in the capstone course is with a capstone project that demonstrates the student's ability to apply the knowledge the student has gained from their experience within and outside the program. This course examines the data collection process, application, and management practices by utilizing strategic planning and tactical analytics as it applies to solving complex sport related issues.

College/School: College Of Education**Department:** Dept of Health & Kinesiology

Sport Management (SSSM)

SSSM 531 Sport Marketing, Sport Publicity & Promotion (3 Credits)**Lecture:** 3

Foundations of consumer behavior and sport marketing planning. Design and implementation of marketing plans. The integration of product, pricing, promotion, distribution, sales, sponsorship, advertising, and branding in the marketing of sport goods and services. Analysis of leagues, teams, events, properties, corporations, and manufacturers. The role of ethics in sport marketing. Covers the application of various promotional strategies such as advertising, direct sales, sales promotions and publicity and examines how those strategies are integral to a sport organization's marketing plan.

College/School: College Of Education**Department:** Dept of Health & Kinesiology**SSSM 533 Business Development Strategies and Ticket Sales (3 Credits)****Lecture:** 3

This course offers a comprehensive understanding of business development and the sales process in the sport industry. Beginning with a fundamental overview of business development and sales theory and strategy, the course then provides sport specific insight into negotiation in the sport sponsorship process as well as ticket sales department structure, techniques and strategies. The role of ethics in business development and sales will be discussed.

College/School: College Of Education**Department:** Dept of Health & Kinesiology**SSSM 646 Sports Information, Media Relations, Social Networking, and Brand Creation (3 Credits)****Lecture:** 3

Emphasizes building and managing an effective media relations program on the intercollegiate and professional level. Examines news releases, hometown features, contest management, press conferences, statistics, and publications. After successful completion of this course, students will be able to explain the role of print media (newspapers and magazines), electronic (radio, network television and cable television) and new media (internet and related digital and social interactive technologies) in escalating the interest, coverage, and importance of big-time college and professional sport.

College/School: College Of Education**Department:** Dept of Health & Kinesiology**SSSM 648 Strategic Management & Finance In Sports (3 Credits)****Lecture:** 3

Strategic management and human resources. Understanding the value chain, competitive forces that affect a firm, factors affect each force, strategic choices including low-cost leader and differentiated products, methods to achieve each strategic choice. Also, understanding groups and teams, negotiation, resource allocation, governance, recruitment of employees, training and development, employee motivation and compensation. The role of ethics in strategic management and human resources. Develop an understanding of how to apply basic principles and concepts of finance in the operation of athletics and sports programs and some critical skills of financial management required of sports administrators.

College/School: College Of Education**Department:** Dept of Health & Kinesiology

Sport Operations (SSSO)

SSSO 531 Sport Operation & Facility Preparation (3 Credits)**Lecture:** 3

This course is concerned with the study of operations management in sport organizations. Students will consider the processes of design, implementation and control of sport service operations. The course will include examination of performance management techniques and their application to the sport and recreation context. Examination of current practice will be undertaken throughout the course. Principles and techniques of planning and operating sport facilities. Emphasizes principles and concepts of organization and administration including communication, personnel management, management of physical resources, and risk management. Examines variety of sport operations such as indoor stadiums, athletic field complexes and managing recreation and intramural activities.

College/School: College Of Education**Department:** Dept of Health & Kinesiology

SSSO 533 Sport Operation Management (3 Credits)**Lecture: 3**

This course focuses on the operations management of games, events, experiences and activities within the world of Sport. All operations provide goods and services by devising processes which transform or change the state or condition to produce output. Sport and related activities are no exception. The operations manager is responsible for the activities, decision-making and duties associated with managing the transformation process. Applies the principles and functions of management to the development, operation, and financing of sports facilities, including public and private arenas, coliseums, and stadiums. Use of risk management, feasibility studies, and financial concepts.

College/School: College Of Education

Department: Dept of Health & Kinesiology

SSSO 648 Front Office Operation In Sport (3 Credits)**Lecture: 3**

This course will examine the various organizational structures and business practices employed by a 'front office' in the sports industry. Students will examine the interaction of revenue production (both traditional and non-traditional). A study of a systematic front office lodging procedures and operations, including identification and duties of the front office staff, guest relations, front office salesmanship, room procedures and handling of cash/credit transactions. Topics include ticket collection, ticket/guest list, guest satisfaction, occupancy and revenue management, security, interdepartmental communications, and related services.

College/School: College Of Education

Department: Dept of Health & Kinesiology

Sport Recreation & Leisure (SSRL)

SSRL 551 Aquatic Facility Management (3 Credits)**Lecture: 3**

Operation, maintenance, and management of aquatic facilities used for recreation, exercise, therapy, competition, education programs, and other aquatic-related programs. Aquatic Facility Management provides current and future aquatics professionals with a complete guide to running aquatics programs safely and effectively. This practical reference covers everything an aquatics director needs.

College/School: College Of Education

Department: Dept of Health & Kinesiology

SSRL 553 Fiscal Policies For Recreation and Leisure Services Organizations (3 Credits)**Lecture: 3**

Application of fiscal policies and procedures to operation of recreation, leisure services, and sport related organizations. Organizational fiscal policy, finance, performance based budgeting, revenue generating strategies, cash and inventory control, commercial/public cooperative ventures, development of logic models, fundraising and development, and strategies for seeking grants and contracts.

College/School: College Of Education

Department: Dept of Health & Kinesiology

SSRL 678 Managing Commercial and Tourism Industry Leisure Services (3 Credits)**Lecture: 3**

Focus on commercial recreation and tourism environment, principles, and concepts of management and marketing, and systematic techniques of analysis and inquiry. Application of concepts and skills in planning, design and evaluation to selected interest areas related to recreation and tourism services. Through use of analytical tools and processes, students prepare and defend an original evaluation project of a service program. Leisure service system planning through explanation of the scope and segmentation of the conference, convention and event market. Strategies in planning, developing and implementing meeting and convention services.

College/School: College Of Education

Department: Dept of Health & Kinesiology

Sport Studies (SSSS)

SSSS 641 NCAA Rules, Procedures & NCAA Compliance (3 Credits)**Lecture: 3**

This course is designed to give the student a working knowledge of National Collegiate Athletic Association (NCAA) compliance issues. It will present an overview of rules, eligibility, bylaws, and practices and procedures of the NCAA. The course provides a thorough study of the governing structure, rules, and legislative process within the NCAA. Examines compliance issues within a collegiate athletic department, including drug testing, self-reporting, academic progress rate (APR), and student-athlete eligibility. Examining and analyzing the bylaws, policies, and procedures of the National Collegiate Athletic Association (NCAA) is at the heart of the course. Students will be introduced to specific cases to develop a comprehensive understanding and appreciation of the NCAA, what it is, and how it functions.

College/School: College Of Education

Department: Dept of Health & Kinesiology

SSSS 643 Academic Advising & Life Skills (3 Credits)**Lecture: 3**

This course offers an overview of the foundations of academic advising and life skill training as an essential component of student success and retention programs on higher education campuses. Topics include definitions and concepts for developmental advising, literature and research on the key concepts of academic advising, exploration of the various models and delivery systems for academic advising; skills for effective advising; advising diverse populations; and training, development, evaluation, assessment, and reward systems for advisers and advising programs.

College/School: College Of Education

Department: Dept of Health & Kinesiology

SSSS 645 Financial Aspects & Fiscal Practices in Sport (3 Credits)**Lecture: 3**

This course involves an in-depth study of the financial challenges facing contemporary sports administrators, including an examination of financial data analysis, sources of funding, budgeting and financial accountability, inventory management and production control processes, profit distribution, taxation, and accounting processes. The course examines the financial and regulatory issues confronting sports, fitness, and recreation industry managers. Covers accounting principles, financial statements, and related concepts that help determine the viability and strength of financial decision making.

College/School: College Of Education

Department: Dept of Health & Kinesiology

SSSS 661 Legal Aspects of Sport Business (3 Credits)**Lecture: 3**

This course is a comprehensive review of legal aspects affecting sport, recreation and fitness industries. The range of review includes civil procedure, contracts, employment, leases, waivers, tort liability for coaches, administrators, employees, and independent contractors, 14th Amendment, Due Process and Equal Protection, product liability, and statutory regulation including Title VII, Title IX, ADA, Anti-Trust and IRS code.

College/School: College Of Education

Department: Dept of Health & Kinesiology

Transportation Management (TMGT)

TMGT 810 Fund Of Trans (3 Credits)**Lecture: 3, Lab: 0**

Fundamentals of Transportation (3) This course presents an introduction to the organizational, economic, social, and environmental aspects of transportation; historical development and characteristics of various modes of travel, including rail, highway, air, pipeline and water transportation; comparative analysis of domestic and international systems; and administration of public transportation by providers, carriers and government.

College/School: Col of Science, Engr & Tech

Department: Dept of TransportStud

TMGT 811 Fund of Shipping (3 Credits)**Lecture: 3**

Fundamentals of Shipping (3) This course is designed to provide graduate students with nonmaritime backgrounds an overview of the shipping industry. It presents elements of commercial shipping, shipping terminology, maritime geography, sea transport, cargo vessel types, vessel size groups, the liners, liner conferences, chartering, shipping documentation, the bill of lading, multimodal transport, marine insurance and general average.

College/School: Col of Science, Engr & Tech

Department: Dept of TransportStud

TMGT 812 Prin Trans & Des Engrng (3 Credits)**Lecture: 3, Lab: 0**

Principles of Transportation Design and Engineering (3) This course presents criteria and parameters for the design and engineering of streets and highways, railroads and transit guideways, land transportation terminals, and air and water transportation facilities. Design considerations include system components, such as human factors, environmental constraints, and operational factors; Intelligent Transportation Systems (ITS), and other emerging technologies

College/School: Col of Science, Engr & Tech

Department: Dept of TransportStud

TMGT 815 Computer Apps In Trans (3 Credits)**Lecture: 3, Lab: 0**

Computer Applications in Transportation (3) This course is an introduction to basic computer software for planning and analysis of transportation operations. Both general purpose and specialized software in such areas as traffic engineering, highway operations, transit operations and transportation planning will be considered. Examples of software to be covered include CORSIM, TRANSYT-7F, INTEGRATION, SYNCHRO, HCS, QRS II, etc.

College/School: Col of Science, Engr & Tech

Department: Dept of TransportStud

TMGT 818 Trans Research Method (3 Credits)**Lecture: 3**

This course is designed to provided graduate students with the foundational knowledge required to conduct transportation related research. It introduces the basics of compositing a research question and objectives, determining appropriate methodological applications, linking literature with study objectives and identified methodologies, applying statistics and computer based tools for transportation operation and planning analysis and writing technically for transportation reports. 3 hours per week.

College/School: Col of Science, Engr & Tech

Department: Dept of TransportStud

TMGT 820 Trans Mgmt & Policy (3 Credits)**Lecture: 3, Lab: 0**

Transportation Management and Policy (3) This course presents elements of the transportation environment; formulation and determinants of national, regional and urban/rural transportation policy; roles of regulation and community attitudes; and other impacts on transportation policy.

College/School: Col of Science, Engr & Tech

Department: Dept of TransportStud

TMGT 823 Economics Of Trans (3 Credits)**Lecture: 3, Lab: 0**

Economics of Transportation (3) This course presents economic characteristics of selected transportation technologies; capital and operational costs of highway and public transportation modes; financing mechanisms and revenue sources for various modes; economic evaluation of alternative systems; cost effectiveness; micro-economic theoretical tools, investment appraisal, pricing techniques; role of domestic and international shipping in the U.S. economy; economic characteristics of waterborne transportation, including the nature of transport demand and cost functions; economic dimension of transportation service; and transportation market structures and transport pricing theory and practice.

College/School: Col of Science, Engr & Tech

Department: Dept of TransportStud

TMGT 825 Marine Trans Sys (3 Credits)**Lecture: 3, Lab: 0**

Marine Transport Systems (3) This course presents types of ocean transportation and port facilities, role of port authorities in international transportation; domestic waterway operations; international water carriage; and elements and factors involved in international trade and their impact on transportation and marketing.

College/School: Col of Science, Engr & Tech

Department: Dept of TransportStud

TMGT 826 Ship Operations & Mgmt (3 Credits)**Lecture: 3**

Ship Operations and Management (3) This course presents thorough knowledge of key functions in ship management and responsibilities in each area, i.e. commercial, operational, technical, crewing, bunkers, finance and administration; different types of organizational structure from all functions in-house, partly contracted or fully contracted out. Students are expected to understand thoroughly the structure and essential components of a ship management contract and become aware of standard documents including BIMCO Shipman, FUELCON, Lloyds Open Form 2000.

College/School: Col of Science, Engr & Tech

Department: Dept of TransportStud

TMGT 830 Urban Trans Plng (3 Credits)**Lecture:** 3, **Lab:** 0

Urban Transportation Planning (3) This course presents perspectives on the context of and approaches to planning for public transportation services; long range versus short range planning; the program development process for transportation systems management (TSM) strategies and the comprehensive planning process; and alternative approaches to planning and citizen participation.

College/School: Col of Science, Engr & Tech**Department:** Dept of TransportStud**TMGT 840 Quan Anal For Trans (3 Credits)****Lecture:** 3, **Lab:** 0

Quantitative Analysis of Transportation (3) This course is an introduction to analytic tools for operational and managerial decision making in transportation, including linear programming, dynamic programming, network analysis, queuing analysis and simulation.

College/School: Col of Science, Engr & Tech**Department:** Dept of TransportStud**TMGT 842 Tran Project Implementation (3 Credits)****Lecture:** 3, **Lab:** 0

Transportation Project Implementation (3) Project implementation is a key outcome of the transportation planning and management process. Environmental impact statement, and citizen involvement are critical elements leading to implementation. Students enrolled in this course will learn the federal requirements and environmental process relating to transportation projects, project management strategies and software and learn how to incorporate citizen input into the design and implementation process.

College/School: Col of Science, Engr & Tech**Department:** Dept of TransportStud**TMGT 845 Sys Anal In Trans (3 Credits)****Lecture:** 3, **Lab:** 0

Transportation Systems Analysis (3) This course presents the system approach and its application to transportation engineering and planning; the transportation industry as a productive system; the use of Transportation System Management (TSM) strategies; and systems analysis techniques including optimization, evaluation and systems modeling.

College/School: Col of Science, Engr & Tech**Department:** Dept of TransportStud**TMGT 846 Tran Infrastructure Mgmt (3 Credits)****Lecture:** 3

Transportation Infrastructure Management (3) This course presents an integrated approach to the management of infrastructure systems. Analysis methods are developed recognizing the multidimensional nature of performance of facilities, resource constraints and technological innovations and institutional factors. Emphasis on an integrated approach to the design, construction, operations, maintenance and rehabilitation of facilities is through an understanding of the performance of facilities, approaches to management and available tools and developing technologies.

College/School: Col of Science, Engr & Tech**Department:** Dept of TransportStud**TMGT 850 Travel Demand Analysis (3 Credits)****Lecture:** 3, **Lab:** 0

Travel Demand Forecasting and Analysis (3) This course presents travel demand forecasting theories and applications. It presents traditional four-step travel demand forecasting models: trip generation, trip distribution, modal split, and traffic assignment, as well as activity-based travel demand forecasting methods. Computer models to be covered include QRS II, EMME2, TransCad, and TRANSIM.

College/School: Col of Science, Engr & Tech**Department:** Dept of TransportStud**TMGT 855 Site Traffic Analysis (3 Credits)****Lecture:** 3, **Lab:** 0

Site Traffic Analysis (3) This course presents the basic theory and methodologies in site traffic analysis, including statistical applications in traffic engineering; volume studies and characteristics; speed, travel time, and delay studies; crash studies; and parking studies. Students will be trained through several field surveys of volume, speed and delay, and are expected to have the basic ability to conduct on-site traffic analysis.

College/School: Col of Science, Engr & Tech**Department:** Dept of TransportStud**TMGT 860 Special Lecture Series (3 Credits)****Lecture:** 3

Transportation Special Lectures (3) This course invites transportation engineers, planners, and managers from both public and private organizations to give special lectures on various transportation topics.

College/School: Col of Science, Engr & Tech**Department:** Dept of TransportStud**TMGT 862 Hwy Traffic Operations (3 Credits)****Lecture:** 3, **Lab:** 0

Highway Traffic Operations (3) This course presents factors related to freeway operations and traffic signal operations: macroscopic and microscopic traffic stream characteristics, capacity analysis techniques, shockwave theory, freeway traffic management systems, freeway traffic simulations, and evaluation and optimization of traffic signal timings. Software to be covered in this course includes HCS, INTEGRATION, CORSIM, and TRANSYT-7F.

College/School: Col of Science, Engr & Tech**Department:** Dept of TransportStud**TMGT 865 Traffic Signals & Signal Ctrl (3 Credits)****Lecture:** 3

Traffic Signals and Signal Control (3) This course presents the basic elements of traffic signals and signal timings including controllers, cycle length, phase structure, offset, change interval, all-red-interval, and split-phase; signal warrants that are included in the Manual on Uniform Traffic Control Devices (MUTCD); traffic signal timing optimization and evaluation software such as TRANSYT-7F, PASSER, TEAPAC, SYNCHRO, CORSIM, etc.; real-time traffic signal control systems such as SCOOT, SCATS and RT-TRACS; and relations of traffic signal operations with other elements of ITS applications.

College/School: Col of Science, Engr & Tech**Department:** Dept of TransportStud

TMGT 866 Mktg of Maritime Trans Svcs (3 Credits)**Lecture:** 3

Marketing of Maritime Transportation Services (3) This course presents the basic knowledge and skills about marketing, planning, and analysis applicable to maritime related service firms, including both ship operators and ship owners. Topics include the assessment of internal vs. external customer needs; quality control; competitive strategies; applications of marketing principles and practices to the maritime industry.

College/School: Col of Science, Engr & Tech

Department: Dept of TransportStud

TMGT 867 Marine Trans Sys Dsgn & Policy (3 Credits)**Lecture:** 3

Marine Transportation System Design and Policy (3) This course presents a historical review of the interaction between American shipping policy, and the design of Vessels, Fleets, and Port Systems. It will also introduce the effects of market structure on economics and finance; port performance and performance measures; the impact of Cabotage Laws, CDS and ODS subsidies, and fleets of a Planned Economy upon domestic and global trade.

College/School: Col of Science, Engr & Tech

Department: Dept of TransportStud

TMGT 868 Maritime Operations & Tech (3 Credits)**Lecture:** 3

Maritime Operations and Technology (3) This course examines the role of technology in the maritime business environment. Topics include the technical knowledge of selected aspects in vessel design and operation and/or related maritime land-based or offshore structures, sub-sea engineering/mining, maritime related research, smart locks, use of Physical Oceanographic Real-Time System (PORTS®), AIS, VTS, VDR, GPS, AVRA in vessel and cargo tracking, safety and accident investigations, economic efficiency, coastal resource protection, litigation, and risk assessment.

College/School: Col of Science, Engr & Tech

Department: Dept of TransportStud

TMGT 869 Marine Ins & Cargo Loss Ctrl (3 Credits)**Lecture:** 3

Marine Insurance and Cargo Loss Control (3) This course presents the theory, techniques, participants and background of risk assessment and management with emphasis given to contemporary issues in marine insurance law. Topics include admiralty salvage claims, general average history and evolution into its present form, marine liability coverage, cause of loss, additional perils, exclusions, warranties, duration of risk, adjustment clauses, operating clauses, civil commotions, war insurance, and project risk management techniques.

College/School: Col of Science, Engr & Tech

Department: Dept of TransportStud

TMGT 870 Freight & Log Mgmt (3 Credits)**Lecture:** 3, **Lab:** 0

Freight and Logistics Management (3) This course presents U.S. and international movement of goods, including railroads, trucking, air carriers and ocean transport; coordination between the modes; principles of logistics management.

College/School: Col of Science, Engr & Tech

Department: Dept of TransportStud

TMGT 871 Maritime Global Trading Sys (3 Credits)**Lecture:** 3

Maritime Global Trading System (3) This course introduces the theory of international waterborne trade. It provides a basis for examining American foreign trade policy, and regional and world trade institutions such as the WTO, ASEAN, the EU, GATT, and NAFTA. Topics include: International trade theory and policy, open-economy macroeconomic policy, tariffs, non-tariff barriers and enhancements, multinational enterprises and foreign direct investment, global competition and integration.

College/School: Col of Science, Engr & Tech

Department: Dept of TransportStud

TMGT 872 Maritime Ship & Port Security (3 Credits)**Lecture:** 3

Maritime Ship and Port Security (3) This course examines ground-level issues, tasks, and responsibilities managed by the Port Security, Officer, Port Director, Federal and local law enforcement agencies to deal with various levels of Threat Analysis as well as responses by Vessels, Companies, and Terminals to various emergencies such as disasters from fire, explosion, petrochemical releases, or hurricanes that may require evacuations of various scale. It will also examine the role of third party contractors in Vessel and Facility Threat Assessment and countermeasures used as response to Piracy and Terrorism.

College/School: Col of Science, Engr & Tech

Department: Dept of TransportStud

TMGT 875 Seminar on Ports and Waterways (3 Credits)**Lecture:** 3

Ports and Waterway (3) This course presents problems and issues related to ports and waterway transportation.

College/School: Col of Science, Engr & Tech

Department: Dept of TransportStud

TMGT 876 Advanced Maritime Law (3 Credits)**Lecture:** 3, **Lab:** 0

Advanced Maritime Law (3) This course introduces the American legal system and analysis of the public policy behind the law. Fundamental and advanced concepts of maritime law to give the students an understanding of the role and importance of maritime law in inland and ocean shipping transportation. Topics include: nature and sources of the law, jurisdiction, constitutional law, administrative law, torts, contracts, seaman rights, collision, pollution, and salvage.

College/School: Col of Science, Engr & Tech

Department: Dept of TransportStud

TMGT 880 ITS Tech & Applications (3 Credits)**Lecture:** 3

ITS Technologies and Applications (3) This course introduces the basic concepts and applications of the Intelligent Transportation Systems (ITS) technologies. Selected technologies in each category of ITS User Services that are defined in The National Architecture for ITS are introduced. Methodologies for evaluating the effectiveness and efficiency of ITS systems will be introduced with an emphasis on the advanced simulation models. The selected deployment examples of ITS systems will be examined to identify the policy, institutional and technological barriers that effect the ITS development and deployment.

College/School: Col of Science, Engr & Tech

Department: Dept of TransportStud

TMGT 882 GIS for Transportation (3 Credits)**Lecture:** 3, **Lab:** 0

Geographical Information Systems for Transportation (3) This course will include three parts. The first part will introduce the basic concepts of GIS system, including the definition of GIS, the data structures that support spatial and attribute data, coordinate system, map projections and so on. In the second part, the basic skills of ArcGIS software package will be taught through lectures and laboratory work. The third part will introduce some feature GIS applications in transportation, such as GPS data analysis for deriving travel time information, transit bus stops and routes design, hurricane evacuation route design and monitoring, identifying hot spots of accidents, etc.

College/School: Col of Science, Engr & Tech**Department:** Dept of TransportStud**TMGT 885 Quan Asmt Tran Envir Impact (3 Credits)****Lecture:** 3

Quantitative Assessment of Transportation Environmental Impact (3) This course will include five parts. The first part will discuss the overall effects of transportation and related activities on the environment and present the indicators of these impacts. The second part will introduce the environmental laws and regulations in transportation and their roles in the project development process. The third part will focus on the air quality impacts of transportation. The fourth part of this course will focus on the transportation noise issues. In the last part of this course, the solutions or the traffic management strategies for mitigating the environmental impacts of transportation will be introduced.

College/School: Col of Science, Engr & Tech**Department:** Dept of TransportStud**TMGT 890 Transportaton Seminar (3 Credits)****Lecture:** 3, **Lab:** 0

Transportation Seminar (3) This course provides an opportunity for students and the instructor to discuss recent developments and issues in transportation, i.e., policies, energy and environmental issues, notably implementation of the Clean Air Act Amendments (CAAA); urban air quality and the economic impact of various strategies, and applications of advanced technologies in transportation including the Intelligent Transportation Systems (ITS).

College/School: Col of Science, Engr & Tech**Department:** Dept of TransportStud**TMGT 895 Internship (3 Credits)****Lecture:** 0, **Lab:** 9

Internship (3) Students enrolled in this course are required to submit a written report of the internship or project experience, detailing the specific tasks performed, contributions and the organizational setting is required.

College/School: Col of Science, Engr & Tech**Department:** Dept of TransportStud**TMGT 896 Internship II (1 Credits)****Lecture:** 1**College/School:** Col of Science, Engr & Tech**Department:** Dept of TransportStud**TMGT 899 Thesis (1-6 Credits)****Lecture:** 0, **Lab:** 12

Thesis (3) Students enrolled in this course are required to submit a written research thesis. Thesis must be the product of independent research and must exhibit substantive depth, logical organization, and clarity of presentation. A faculty committee will evaluate the student's progress, and the thesis. A thesis option student needs to enroll three times in this course in order to get the required 9 semester credit hours.

College/School: Col of Science, Engr & Tech**Department:** Dept of TransportStud

Urban Planning & Enviro Policy (UPEP)

UPEP 601 Planner's Guide to the History of City Growth and Development (3 Credits)**Lecture:** 3

Examines the forces that have prompted urban development and shaped urban areas since the mid-19th century. From a planning perspective, focuses on the relationship between the social, physical, economic and political; components of a city and their combined impact on contemporary trends in the urban arena. 3 hours per week.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 603 Planning History & Theory (3 Credits)****Lecture:** 3

Examines the collective history, intellectual heritage and procedural approaches shared by professionals working in contemporary planning practice. Addresses planning ethics. 3 hours per week.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 619 Plan Making & Implementation (3 Credits)****Lecture:** 3

This course introduces students to the plan making processes, policies and techniques for implementing public plans, such as comprehensive, strategic and small area plans. Topics covered include public sector engagement, capital improvements programming and budgeting, and fiscal planning. 3 hours per week.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 620 Planning Studio (3 Credits)****Lecture:** 3

This is a capstone experience where students apply elements of the planning process to the development of a comprehensive plan, area plan, or policy for a specific community or neighborhood. 3 hours per week.

Prerequisite(s): (UPEP 603 and UPEP 605 and UPEP 609 and UPEP 619)**College/School:** The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 621 Planning Studio 2 (3 Credits)****Lecture:** 3

This is a capstone experience where students apply elements of the planning process to the development of a comprehensive plan, or policy for a specific community or neighborhood, 3 hours per week.

Prerequisite(s): (UPEP 620)**College/School:** The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli

UPEP 625 Sustainable Communities (3 Credits)**Lecture: 3**

Exploring urban planning issues through the sustainability lens, the course examines ways to coordinate goals of environment, economy, and equity at community, city regional and state levels. Case studies of cities, regions and development projects are utilized. 3 hours per week.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 701 Planner's Guide to the History of City Growth and Development (3 Credits)**Lecture: 3**

Examines the forces that have prompted urban development and shaped urban areas since the mid-19th century. From a planning perspective, focuses on the relationship between the social, physical, economic and political components of a city and their combined impact on contemporary trends in the urban arena. 3 hours per week.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 703 Planning Theory & Practice (3 Credits)**Lecture: 3**

Examines the intellectual heritage and procedural approaches shared by professionals working in contemporary planning practice. Addresses planning ethics. 3 hours per week.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 705 Introduction to Land Use Planning (3 Credits)**Lecture: 3**

Introduction to the principles and practice of land use planning in the United States. Students learn about the planning and development process including: reviewing site plans, developing master plans, revising development standards, and writing staff reports. 3 hours per week.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 707 Comprehensive Physical Planning (3 Credits)**Lecture: 3**

Introduction to the principles and practice of physical planning in the United States. Workshop exercises, analyses, and readings are designed to provide a comprehensive and practical understanding of the physical planning and approval process, the elements of physical plans, and the data and analyses needed to prepare and review such plans. 3 hours per week.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 709 Principles of Planning Law (3 Credits)**Lecture: 3**

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 710 Land Use Control Policy and Regulations (3 Credits)**Lecture: 3**

This course provides an overview of land use regulation concepts, techniques, and strategies. Students develop and understanding of the strengths and weaknesses of various land use controls by studying the range of tools used by local, state, and federal governments. 3 hours per week.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 713 Principles of Site Design (3 Credits)**Lecture: 3**

Focuses on the role of site planning in creating the built environment.

Examines the environment aspects of site conditions, such as hydrology, soils, and topography, and considers aspects of the built form in context of the local communities' goals and conditions. Introduces tools for presenting and analyzing site designs and other maps and plans. 3 hours per week.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 714 Principles of Urban Design (3 Credits)**Lecture: 3**

Discusses urban design as part of the planning process. Reviews current and historical ideas and practices for improving the urban environment through design. 3 hours per week.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 718 Professional Communications in Planning (3 Credits)**Lecture: 3**

Course provides opportunity for students to engage in applied planning communications through a variety of formats including verbal, digital, and written. 3 hours per week.

Prerequisite(s): (UPEP 703 and UPEP 705 and UPEP 709)

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 719 Plan Making and Implementation (3 Credits)**Lecture: 3**

Introduces students to the plan making processes, policies and techniques for implementing public plans, such as comprehensive, strategic and small area plans. Topics covered included public sector engagement, capital improvement programming and budgeting, and fiscal planning. 3 hours per week.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 720 Planning Studio I (3 Credits)**Lecture: 3**

This is an applied planning students work as a group on a place-based project. 3 hours per week.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 721 Planning Studio II (3 Credits)**Lecture: 3**

Capstone experience where students apply elements of the planning process to the development of a comprehensive plan, area plan, or policy for a specific community or neighborhood. 3 hours per week.

Prerequisite(s): (UPEP 720)

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 724 INDEPENDENT STUDY (3 Credits)**Lecture: 3**

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 725 Introduction to Statistics (3 Credits)**Lecture: 3**

Introduction to applied statistics includes descriptive and inferential statistics, regression and correlation analysis, and computer-based analytic tools for planning analysis. 3 hours per week.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 726 Applied Planning Methods (3 Credits)**Lecture:** 3**College/School:** The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 727 Multivariate Analysis Methods (3 Credits)****Lecture:** 3

An applied introduction to multivariate statistical methods used to analyze land-use, environmental, and other large datasets. 3 hours per week.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 728 Planning Techniques in Population & Economic Analysis (3 Credits)****Lecture:** 3

This course focuses on quantitative methods in the analysis and projection of population, employment, transportation, and land use with an emphasis on translating results into policy implications. 3 hours per week..

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 729 Urban Land Economics (3 Credits)****Lecture:** 3

Introduces the concepts urban economics, land markets, and locational decision, making. Also discusses urban spatial structure and the political, social, economic, and the political, social, economic, and other conditions that impact land uses and values. 3 hours per week.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 730 Introduction to GIS Urban Pln (3 Credits)****Lecture:** 3

Introduces basic spatial analysis in the context of urban and environmental planning by geographic information systems. 3 hours per week.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 731 Applications of GIS Urban Planning (3 Credits)****Lecture:** 3

Provides the concept of advanced spatial analysis including network analysis, three-dimensional analysis, and GIS applications to both urban planning and environmental policy. 3 hour per week.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 732 Advanced Studies in GIS (3 Credits)****Lecture:** 3

Course in advanced GIS techniques and applications. Combines lectures, readings, discussions, and hands-on labs to graduate students with necessary trainings in GIS to build up advanced knowledge and develop sophisticated techniques required for research on a variety of urban planning and environmental policy analyses. 3 hours per week.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 740 Community Development in the Urban Milieu (3 Credits)****Lecture:** 3

Explores the theory, history, methods and practice of community. 3 hours per week.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 742 Housing Policy: Context and Impact (3 Credits)****Lecture:** 3

Considers both historic and contemporary federal, state and local housing policy within U.S. and international settings. Discusses the social implications of housing, the roles of the public. 3 hours per week.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 744 Citizen Part in Pln Process (3 Credits)****Lecture:** 3

Student examine the roles of community organizing and meaningful inclusive public engagement in the planning process. They explore the planner's role in structuring opportunities for public participation as they learn about models for participation in local decision-making. 3 hours per week.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 746 Introduction to Real Estate (3 Credits)****Lecture:** 3

An introduction to methods of financial analysis for real estate investment. topics include methods of valuation, each flow forecasting, computer modeling, and taxation and leverage structure. emphasizes the financing of individual projects. 3 hours per week.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 748 Methods of Land Development Project Analysis (3 Credits)****Lecture:** 3

Examines the land development decision-making process with a focus on learning skills to evaluate the impacts of new developments on the site and surrounding area. Students learn technical skills for reading site plans and evaluating development plans. 3 hours per week..

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 750 Urban Infrastructure Planning and Policy (3 Credits)****Lecture:** 3

Survey of infrastructure systems such as water, sewer, stormwater, energy, transportation, and communications. Course considers the relationship between infrastructure, equity, land development and population growth. 3 hours per week.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 752 Sustainable Communities Planning (3 Credits)****Lecture:** 3**College/School:** The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 761 Land Use and Environmental Planning (3 Credits)****Lecture:** 3

Explores the concept of environmental sustainability through the practice of urban planning. Focuses on topics covering the natural and physical sciences and policies and planning for environmental decision-making. Examines major environmental issues including water, air, land, biodiversity, natural and humanmade disasters, and climate change. 3 hours per week.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli

UPEP 763 Environmental Planning and Policy (3 Credits)**Lecture: 3**

Examines contemporary environmental policy and practice and the institutional framework for establishing policy and programs. Analysis of case studies of environmental planning at the federal, state and local levels. 3 hours per week.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 765 Env Pln & Natural Res Mgmt (3 Credits)**Lecture: 3**

Examines the problems related to resources management and environmental planning. Relationship between the physical environment and the quality of urban life. Global population impacts to local air pollution control and management. 3 hours per week.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 767 Environmental Justice and Equity (3 Credits)**Lecture: 3**

Discusses ethical considerations in environmental decision-making with an emphasis on questions of equity. Focuses on concepts of environmental and social justice including the history and development of the environmental justice movement in the United States and applied planning methods for injustice and promoting just sustainable development. 3 hours per week.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 769 Environmental Legislation and Policy (3 Credits)**Lecture: 3**

Studies legal principles and institutions involved in protecting the environments, including air, water, and noise pollution. 3 hours per week.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 770 Environmental Monitoring & Analysis (3 Credits)**Lecture: 3**

Interpretation and analysis of scientific information, examination of the chemistry of atmospheric, land and water environment, with particular emphasis on pollution encountered in urban and industrial sectors. 3 hours per week.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 772 Climate Change's Impact on Energy Policy and Planning (3 Credits)**Lecture: 3**

Addresses climate change and energy resources issues in urban planning areas of housing, land use, transportation and community development. Explores energy policy through an examination of energy markets and the energy policy impacts of federal, state and local government. 3 hours per week.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 774 Sustainable Waste Management (3 Credits)**Lecture: 3**

Introduction to approaches for management of wastes at different jurisdictional levels. Examines solid waste, food waste, hazardous wastes, and radioactive wastes. Considers issues of sustainable waste management in terms of associated environmental, economic and equity issues. 3 hours per week.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 776 Environmental Assessment (3 Credits)**Lecture: 3**

Introduces the principles, methods, and applications of environmental assessments. Focuses on the use of environmental information to inform planning decisions and public policies. 3 hours per week.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 778 Pollution Control (3 Credits)**Lecture: 3**

Examines the technological and management options for controlling and preventing air, water, and solid waste pollution. 3 hours per week.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 780 COMPARATIVE INTL TPCS IN TRANS (3 Credits)**Lecture: 3**

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 785 INTERNATIONAL DEVELOPMENT PLN (3 Credits)**Lecture: 3**

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 789 INDEPENDENT STUDY (3 Credits)**Lecture: 3**

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 790 SPECIAL TOPICS I (3 Credits)**Lecture: 3**

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 791 SPECIAL TOPICS II (3 Credits)**Lecture: 3**

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 792 SPECIAL TOPICS III (3 Credits)**Lecture: 3**

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 795 INTERNSHIP (3 Credits)**Lecture: 3**

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 797 THESIS I (3 Credits)**Lecture: 3**

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 798 Thesis II (3 Credits)**Lecture: 3**

Independent scholarly research project resulting in a substantive paper that involves original collection or treatment of. 3 hours per week.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 800 City Growth & Dev of Cities (3 Credits)**Lecture: 3**

The Growth and Development of Cities (3) Historic interrelationships of various cultural influences and theoretical concepts on contemporary patterns, trends and problems of urban development. Forces which prompted urban development and shaped urban areas throughout human history.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 801 Pln Theory & Practice (3 Credits)**Lecture: 3**

Planning Theory and Practice (3) An Examination of the intellectual heritage and procedural approaches shared by practitioners working in all areas of contemporary planning practice. General area of planning theory and ethical issues.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 802 Quantitative Methods in Pln (3 Credits)**Lecture: 3**

Quantitative Methods in Planning (3) Descriptive and inferential statistics as applied to public policies in planning and environmental policy. Computer-based analytical tools for planning analysis. The software package SPSS is the working tool of the class.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 803 Res Methods & Eval in Urb Pln (3 Credits)**Lecture: 3**

Research Methods and Evaluation in Environmental Planning (3) Methods of investigation and analysis, the formulation of theory, selection of appropriate research techniques, data-gathering techniques, data preparation and data processing, measures of association and statistical significance and methods of addressing environmental quality.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 804 Intro to Site Design (3 Credits)**Lecture: 1, Lab: 2**

Introduction to Site Design (3) Focus on the study and evaluation of the built environment with particular reference to those aspects of the development process that result in "better" physical forms. An appreciation of the architectural and design elements of land use development.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 805 Planning Studio I (3 Credits)**Lecture: 0, Lab: 3**

Plan Preparation Studio (3) Student planning projects done under the supervision of faculty members to develop planning solutions to real situations confronting communities and other public service organizations.

Prerequisite(s): (UPEP 800 and UPEP 801 and UPEP 802 and UPEP 808 and UPEP 806 and UPEP 813)

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 806 Land Use & Env Law (3 Credits)**Lecture: 3**

Land-Use and Environmental Law (3) A basic framework in environmental laws, survey of critical cases, policy decisions and legal history. Regional, national and international issues are addressed with the focus on inter-jurisdictional problem systems in different localities.

Prerequisite(s): (UPEP 800 and UPEP 801)

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 807 PRO COMM IN PLANNING (3 Credits)**Lecture: 3**

Pro communications in Planning Course provides opportunity for students to engage in variety of ways to communicate both orally and in writing. Various communication styles, venues and audiences are addressed.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 808 Applied Planning Methods (3 Credits)**Lecture: 3**

Applied Planning Methods Provide the opportunity for students to learn and practice developing various methods and decision making models that are used in the field. These methods include surveys, qualitative approaches, demographic analysis and forecasting, development of indexes, economic analysis and project evaluation.

Prerequisite(s): UPEP 802

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 809 Urban Econ & Spatial Stru (3 Credits)**Lecture: 3**

Urban Economics and Spatial Structure (3) Introduction to the basic concepts of urban economics and the common planning issues related to urban spatial structure.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 810 Land Use Control Pol& Reg (3 Credits)**Lecture: 3**

Land-Use Control Policy and Regulation (3) Public land-use policy and legislation and implementing governmental actions; land-use control exercised by several levels of government; practice and impacts of zoning on growth management.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 811 Intro to GIS in Urb Pln (3 Credits)**Lab: 3**

Introduction to GIS in Urban Planning (3) Relational databases examined in the context of urban and environmental planning. Focus is given to geographic information systems for collecting and displaying spatial information.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 812 Theories of Urb Form & Design (3 Credits)**Lecture: 3**

Theories of Urban Form and Design (3) Analysis of idealized urban forms, theories and models in urban areas as they relate to function and location of urban activities.

College/School: The School of Public Affairs

Department: Dept of Urban Pln & Envir Poli

UPEP 813 Intro to Land Use Pln (3 Credits)**Lecture:** 3, **Lab:** 0

Introduction to Land Use Planning (3) Introduction to the organization and conduct of local land-use planning as practiced in Texas. The course will cover Texas statutes, the General Plan, specific plans and how to do them, and how to manage a planning department.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 821 Comparative Intl Tpcs in Trans (3 Credits)****Lecture:** 3

Comparative International Topics in Transportation (3) Comparative planning and policies in transportation. A comparison of different models of transportation used by developed and developing countries and the relationship between transportation and economic development.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 825 Energy Policy & PAn Analysis (3 Credits)****Lecture:** 3

Energy Policy & Planning Analysis Overview of the evolution of energy planning and addressing the salient issues that cities are facing and impacts that energy policy has on communities.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 841 Application of GIS (3 Credits)****Lecture:** 0, **Lab:** 3

Application of Geographic Information Systems in Urban Planning (3) GIS and its application to both urban planning and environmental policy. Topics will include data discovery, databases design, construction, modeling and analytical measurements.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 842 Advanced Studies in GIS (3 Credits)****Lecture:** 3

Advanced Studies in GIS This class covers advanced GIS techniques and applications. It combines lectures, readings, discussions, and hands-on labs to graduate students with necessary trainings in GIS to build up advanced knowledge and develop sophisticated techniques required for research on a variety of urban planning and environmental policy analyses.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 844 Multivariate Analysis Methods (3 Credits)****Lecture:** 3

Multivariate Analysis Method (3) Multivariate statistical methods used to analyze land-use, environmental and other large data sets. Emphasis on causal modeling of cross-sectional data. Topics include multiple regression analysis, nonlinear models, path analysis, and log-linear models.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 850 Infrastructure Pln& Pol (3 Credits)****Lecture:** 3, **Lab:** 0

Urban Infrastructure, Planning and Policy (3) Methods and procedures used in planning basic urban infrastructure systems; transportation, water supply, wastewater, storm water, solid waste. Infrastructure development centralized vs. decentralized system; case study.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 851 Waste Mgmt & Remediation (3 Credits)****Lecture:** 3, **Lab:** 0

Waste Management and Remediation: Air, Water and Soil (3) Current approaches to the management and disposal of urban waste, focusing on alternatives such as recycling. Topics will also include disposal of hazardous wastes.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 852 Env Impact Assessment (3 Credits)****Lecture:** 3, **Lab:** 0

Environmental Impact Assessment (3) Examination of environmental Impact Assessment processes and methods from both a theoretical and applied perspective. The philosophy and statutory basis of the assessment process is reviewed. The broader planning processes for jurisdiction are emphasized.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 855 Environmental Planning (3 Credits)****Lecture:** 3

Environmental Planning (3) Introduction to the theoretical and practical aspects of the environmental planning process and also the examination of the standard environmental planning techniques and strategies.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 860 Theory His & Prac of Com Dev (3 Credits)****Lecture:** 3, **Lab:** 0

Theory, History and Practice of Community Development (3) Examination of the theory, history, methods and practice of local community development. The course examines the historical roots of community involvement and action.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 861 US Housing Pln & Pol (3 Credits)****Lecture:** 3

U.S. Housing Planning and Policy (3) A survey of the residential environment from economic and sociological perspectives. The behavior of individuals and institutions in the housing and mortgage markets. Emphasis is placed on examining the impact of federal, state and local policies on housing markets, housing availability, and family welfare.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 862 Sustainable Comm (3 Credits)****Lecture:** 3, **Lab:** 0

Sustainable Communities (3) Examination of sustainable communities and the environmental, social, economic, political, and design standards that underlie them. Actual case studies of cities, towns and development projects that reflect principles of sustainability.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 863 Citizen Part in Plng Process (3 Credits)****Lecture:** 3

Citizen Participation in the Planning Process (3) An examination of the role of citizens and citizen organizations in the city planning process. Models for citizen involvement. Examination of the effectiveness of different organizational models in different situations.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli

UPEP 864 Intro to Real Estate (3 Credits)**Lecture:** 3

Introduction to Real Estate (3) Introduction to methods of financial analysis for real estate investment. Topics include methods of valuation, each flow forecasting, computer modeling, taxation, and leverage structure. Emphasis is placed on the financing of individual projects.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 871 Env Values & Ethics (3 Credits)****Lecture:** 3

Environmental Values and Ethics (3) Detailed exploration of the normative debate surrounding environmental issues. Attention to foundation of environmental economics, questions about the value of endangered species, concerns of future generations and obligations toward equity.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 872 Methods of Proj Anal (3 Credits)****Lecture:** 3

Methods of Project Analysis (3) A course designed to provide an understanding of the variety of planning evaluation methods and processes employed in the review of development proposal, site plans and public policies.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 873 Special Topics (3 Credits)****Lecture:** 3, **Lab:** 0

Special Topics (3) Focus on selected topics.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 874 Special Topics (3 Credits)****Lecture:** 3

Special Topics (3) Focus on selected topics.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 875 Special Topics (3 Credits)****Lecture:** 3

Special Topics (3) Focus on selected topics.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 877 Independent Study (3 Credits)**

Independent Study

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 888 Thesis (3 Credits)****Lecture:** 0, **Lab:** 6

Thesis (3) Designed to be a product of independent research that is approved by a faculty committee.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 889 Planning Thesis (3-6 Credits)****Lecture:** 0, **Lab:** 6

Thesis (3) Designed to be a product of independent research that is approved by a faculty committee.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 890 Internship (3 Credits)****Lecture:** 3

Internship (3) Designed to provide students with a supervised practical experience in public, private, and selected nonprofit agencies.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 900 Adv Pln Theory & Prac (3 Credits)****Lecture:** 3, **Lab:** 0

Advanced Planning Theory and Practice (3) Examines the intellectual and professional roots of contemporary planning theory and practice. Effort is directed toward analyzing these roots with an eye to stimulating new perspectives and concepts for a sustainable community orientation.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 901 Adv Urb Theory (3 Credits)****Lecture:** 3

Advanced Urban Theory (3) Studies the evolution of Urban Theory. Genesis and structure of planning thought and methods; economic, political, and social factors influencing the development of urban theories and policies; the theory and development of urban structure; and the history of cities.

Prerequisite(s): (UPEP 900)**College/School:** The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 902 Adv Pln Analysis (3 Credits)****Lecture:** 3, **Lab:** 0

Advanced Planning Analysis (3) Studies methods for investigation and analysis of urban and environmental phenomena; models, datagathering techniques; sources and applications of aggregate data; data preparation and data processing; measures of association and statistical significance.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 903 Adv Pln Analysis II: Stats (3 Credits)****Lecture:** 3

Advanced Planning Analysis (3) Studies applied statistics and computing, inferential statistics; multivariate statistical methods; selecting the appropriate statistical test for analyzing bivariate relationships and procedures for more complex designs.

Prerequisite(s): (UPEP 902)**College/School:** The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 904 Env Pln & Pol (3 Credits)****Lecture:** 3, **Lab:** 0

Environmental Planning and Policy (3) Examines contemporary environmental policy and practice and the institutional framework for establishing policy and programs. Analysis of case studies of environmental planning at the federal, state, and local levels.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 905 Env Pln & Natural Res Mgmt (3 Credits)****Lecture:** 3

Environmental Planning and Natural Resources Management (3) Examination of the problems related to resources management and environmental planning. Relationship between the physical environment and the quality of urban life. Global population impacts on local air pollution control and management.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli

UPEP 906 Env Monitor & Anal (3 Credits)**Lecture:** 3, **Lab:** 0

Environmental Monitoring and Analysis (3) Interpretation and analysis of scientific information: examination of the chemistry of atmospheric, land and water environment, with particular emphasis on pollution encountered in urban and industrial sectors.

Prerequisite(s): (UPEP 904)**College/School:** The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 907 Env Legislation & Pol (3 Credits)**

Environmental Legislation and Policy (3) Studies legal principles and institutions involved in protecting the environments, including air, water, and noise pollution. The approach of lawyers and courts, as differentiated from that of planners.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 908 Pollution Control (3 Credits)****Lecture:** 3

Pollution Control (3) Examines the technological and management options for controlling and preventing air, water, and solid waste pollution.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 909 Population & Dev Pln (3 Credits)****Lecture:** 3

Population and Development Planning (3) Examines issues, methods, strategies and problems related to the integration of population information with policies for guiding the social and economic development of third world countries.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 910 Comp Pln & Growth Mgmt (3 Credits)****Lecture:** 3

Comprehensive Planning and Growth Management (3) Explores the comprehensive planning process by developing a plan for a local jurisdiction. Problems and needs for growth management; planning approaches and methods for controlling growth in the urban environment.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 941 Research Colloquium (3 Credits)****Lecture:** 3

Research Colloquium (3) Seminars for doctoral students addressing issues of interests in research, teaching, and career development.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 942 Dissertation I (3-12 Credits)****Lab:** 20

Dissertation Supervised research and dissertation preparation.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 943 Dissertation II (1 Credits)**

Supervised research and dissertation preparation. Student may enroll for 1.000 credit in an enroll term. Program total credits allowed 3.000

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli**UPEP 977 Independent Study (3 Credits)****Lecture:** 3

Independent Study (3) Advisor-supervised preparation for the comprehensive examination.

College/School: The School of Public Affairs**Department:** Dept of Urban Pln & Envir Poli

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