

**BACHELOR OF SCIENCE
 TRANSDISCIPLINARY STUDIES OF ENERGY AND ENVIRONMENTAL SYSTEMS AND SERVICES**

TOTAL CREDITS REQUIRED: 120

CORE CURRICULUM (STANDARD)*		MAJOR Transdisciplinary Studies of Energy and Environmental Systems and Services	JHJ/COSET/ SOPA/COPHS	OTHER REQUIREMENTS
TSU COURSES	TCCNS EQUIVALENT			
42 credits		45 credits	15 credits	18 credits
<u>Communication</u>		Energy and Environmental Systems/Services (36) See Advisor	JHJ/COSET/SOPA/COPHS Electives (15)	Electives (18) credits
ENG 131 (3) **	ENGL 1301			See Advisor
ENG 132 (3)	ENGL 1302			
<u>Mathematics:</u>				
MATH 132 (3) or MATH 133 (3)++	MATH 1324 or MATH 1314			
<u>Life and Physical Sciences:</u>				
BIOL 143 (3) or CHEM 131 (3)	BIOL 1308 or CHEM 1311			
BIOL, CHEM, PHYS or GEOL (3)***	BIOL, CHEM, PHYS, GEOL (3)			
<u>Language, Philosophy, and Culture:</u>				
ENG 2xx (3) ****	ENGL 2xxx			
<u>Creative arts:</u>				
MUSI, ART, or THEA (3) ***** (Select 12 credits)	ARTS 1301, ARTS 1315, MUSI 1306, MUSI 1315, THEA 1310 (3)			
<u>American History:</u>				
HIST 231 (3)	HIST 1301			
HIST 232 (3)	HIST 1302			
<u>Government / Political Science:</u>				
POLS 235 (3)	GOVT 2305			
POLS 236 (3)	GOVT 2306			
<u>Social and Behavioral Sciences:</u>				
***** (3)	ECON, GEOG, PSYC, SOCI (3)	Energy and Environmental Systems/Services Capstone (6)		
<u>Institutional Options:</u>		Internship/Externship (3)		

COMM 135 (3) or COMM 136 (3)	COMM 1321 or 1315			
*****Institutional Option (3)				
COSC 1301; EDCI 210: or MIS 204 (3)	COSC 1301; EDCI 210: or MIS 204 (3)			

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First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENGL 1301 Freshman English I	3	ENG 1302 Freshman English II	3
	MATH 1324 or MATH 1314	3	Creative Arts*	3
	CHEM 1311 or BIOL 1308	3	Life and Physical Sciences**	3
	COMM 1315 or COMM 1321	3	Social and Behavioral Sciences***	3
	HIST 1301 Soc & Pol Hist US to 1877	3	HIST 1302 Soc & Pol Hist US Since 1877	3
		15		15

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	POLS 2305 American Government	3	POLS 2306 Texas Government	3
	Energy and Environmental Systems	3	ENG 2XX ****	3
	Energy and Environmental Systems	3	MATH 1342, or MATH 1314	3
	CS 116; EDCI 210 or MIS 204	3	Elective	3
	Energy and Environmental Systems	3	Elective	3
		15		15

Third	FIFTH SEMESTER		SIXTH SEMESTER	
	Elective	3	Elective	3
	Energy and Environmental Systems	3	COSET Elective	3
	Energy and Environmental Systems	3	COSET Elective	3
	Energy and Environmental Systems	3	Energy and Environmental Systems	3
	COSET Elective	3	Energy and Environmental Systems	3
		15		15

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	Elective	3	Capstone seminar/Credit by Experience/Eng. & Tech. Elective	6
	COSET Elective	3	Internship/Externship/Credit by Experience/ Eng. & Tech. Elective	3
	Energy and Environmental Systems	3	COSET Elective	3
	Energy and Environmental Systems	3	Energy and Environmental Systems	3
	Energy and Environmental Systems	3		

		15		15
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