

B.S. IN TRANSDISCIPLINARY STUDIES OF ENERGY AND ENVIRONMENTAL SYSTEMS AND SERVICES

Texas Southern University envisions the advancement and attainment of goals for this sector of students by responding to the national and statewide data to re-enroll students from the 36 million current Some College No Degree population, reaching out with tailored programs and policies to meet their needs.

Texas Southern University caters to non-traditional undergraduate and graduate students who have excellent potential to complete a degree but need flexibility, opportunity, and accessibility to various completion options.

The TSU College of Transdisciplinary Studies programs affords students the opportunity to pursue transdisciplinary studies by selecting from a variety of degree programs that target vital local, national, and global workforce opportunities.

SUMMARY

Code	Title	Hours
	Core Curriculum Requirements (https://catalog.tsu.edu/undergraduate/general-education-core-curriculum/)	42
	Major Requirements (https://catalog.tsu.edu/undergraduate/schools-colleges/transdisciplinary/energy-environmental-systems-services/#major)	45
	COSET/JHJ/COPHS/SOPA/SOC/COE	15
	Other Requirements (https://catalog.tsu.edu/undergraduate/schools-colleges/transdisciplinary/energy-environmental-systems-services/#other)	18
Total Hours		120

GENERAL EDUCATION CORE CURRICULUM

Code	Title	Hours
Communication		
ENGL 1301	Freshman English I	3
ENGL 1302	Freshman English II	3
Mathematics 3		
MATH 1314	College Algebra	
MATH 1316	Plane Trigonometry	
MATH 1324	Math and Business and Econ I	
MATH 1325	Elements of Calculus	
MATH 1332	Contemporary Mathematics I	
MATH 1342	Elementary Statistics	
MATH 1350	Fundamentals of Mathematics I	
MATH 1351	Foundations of Mathematics II	
MATH 2312	Precalculus Math	
MATH 2413	Calculus & Analytic Geometry I	
Life and Physical Sciences		
Select two of the following:		6
BIOL 1306	Biological Science I	

BIOL 1307	Biological Science II
BIOL 1308	Survey of Life Science
BIOL 2301	Human Anat & Phys I
BIOL 2302	Human Anat & Phys II
CHEM 1305	Introductory Chemistry I
CHEM 1306	Introductory Chemistry II
CHEM 1311	Chemistry I
CHEM 1312	Chemistry II
ENVR 1301	Environmental Science
GEOL 1303	Introduction To The Earth
PHYS 1301	College Physics I
PHYS 1302	College Physics II
PHYS 1315	Prin of Phys Sci
PHYS 2325	University Physics I
PHYS 2326	University Physics II

Language, Philosophy, and Culture

Select one of the following:		3
ENGL 2326	American Literature	
ENGL 2328	African-American Literature	
ENGL 2332	World Literature I	
ENGL 2333	World Literature II	
PHIL 1301	Introduction To Philosophy	

Creative Arts 3

Select one of the following:		3
ARTS 1315	Intro African Art	
ARTS 1301	Topics in Contemp Art & Cultur	
MUSI 1306	Music Appreciation	
MUSI 1315	Fine Arts In Daily Living	
THEA 1310	Introduction to Theatre	

American History 6

HIST 1301	Soc & Pol Hist US to 1877
HIST 1302	Soc & Pol Hist US Since 1877
HIST 2327	Mexican American History I
HIST 2328	Mexican American History II
HIST 2381	African American History I
HIST 2382	African American History II

Government/Political Science

POLS 2305	American Government	3
POLS 2306	Texas Government	3

Social and Behavioral Sciences 3

ECON 2301	Principles Of Economics I
ECON 2302	Principles Of Economics II
GEOG 1303	World Regional Geography
PSYC 2301	General Psychology
SOCI 1301	Introduction To Sociology
SOCI 1306	Contemporary Social Issues
SOCI 2306	Soc Of Human Sexuality
SOCI 2346	Introduction To Anthropology

Institutional Options 3

COMM 1321	Business & Professional Comm	
	or COMM 1321 Public Address	
COSC 1301	Intro To Compr Science I	

CS 120	Introduction to Programming Using C++
EDCI 2310	Instructional Technology
ENGL 2307	Introduction to Creative Writing
ENG 351	Tech Editing for Professionals
FREN 2311	Intermediate French I
FREN 2312	Intermediate French II
MATH 2414	Calculus&Analytic Geometry II
SPAN 2311	Intermediate Spanish I
SPAN 2312	Intermediate Spanish II
MISY 2304	Fundamentals of Information Systems
Total Hours	42

Major (Energy and Environmental Systems and Services)

Code	Title	Hours
Energy and Environmental Systems and Services		45
See advsior for courses		
Total Hours		45

Code	Title	Hours
COSET/JHJ/COPHS/SOPA/SOC/COE		15
See advsior for courses		
Total Hours		15

Code	Title	Hours
Other Requirements		18
See advsior for courses		

Course	Title	Hours
First Year		
First Semester		
ENGL 1301	Freshman English I	3
COMM 1315	Public Address	3
or COMM 1321	or Business & Professional Comm	
MUSI 1315	Fine Arts In Daily Living	3
or THEA 1310	or Introduction to Theatre	
MATH 1314	College Algebra	3
HIST 1301	Soc & Pol Hist US to 1877	3
Hours		15

Second Semester		
ENGL 1302	Freshman English II	3
Create Arts		3
Life and Physical Sciences		3
Social and Behavioral Sciences		3
HIST 1302	Soc & Pol Hist US Since 1877	3
Hours		15

Second Year		
Third Semester		
POLS 2305	American Government	3
ENGL 2XX		3
Approved Energy and Environmental Systems and Services Course		3

Approved Energy and Environmental Systems and Services Course		3
Institutional Option		3
Hours		15

Fourth Semester		
POLS 2306	Texas Government	3
Approved Energy and Environmental Systems and Services Course		3
Approved Energy and Environmental Systems and Services Course		3
Approved Energy and Environmental Systems and Services Course		3
Elective		3
Hours		15

Third Year		
Fifth Semester		
Approved Energy and Environmental Systems and Services Course		3
Approved Energy and Environmental Systems and Services Course		3
Approved Energy and Environmental Systems and Services Course 3XX/4XX		3
COSET/COPHS/SOPA/JHJ/COE Elective		3
Elective		3
Hours		15

Sixth Semester		
COSET/COPHS/SOPA/SOC/JHJ/COE Elective 1XX/2XX		3
COSET/COPHS/SOPA/SOC/JHJ/COE Elective 1XX/2XX		3
COSET/COPHS/SOPA/SOC/JHJ/COE Elective 3XX		3
COSET/COPHS/SOPA/SOC/JHJ/COE Elective 4XX		3
Elective 2XX/3XX		3
Hours		15

Fourth Year		
Seventh Semester		
Electives 1XX/2XX		3
Electives 1XX/2XX		3
Elective 3XX/4XX		3
Elective 3XX/4XX		3
Elective 3XX/4XX		3
Hours		15

Eighth Semester		
Elective 3XX/4XX		3
Elective 3XX/4XX		3
Elective 3XX/4XX		3
Approved Energy and Environmental Systems and Services Course 3XX/4XX		3
Approved Energy and Environmental Systems and Services Course 3XX/4XX		3
Hours		15

Total Hours		120
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