



Bachelor of Science

GEOLOGY, Petroleum Geology Concentration

Degree Map | 2019-2020

	YOUR CLASS SCHEDULE	ACADEMIC ADVISING	ENRICHING EXPERIENCES	LIFELONG SUCCESS
Freshman	<ul style="list-style-type: none"> Complete core courses recommended for your degree plan Focus on English, Math, and Science courses Enroll in 15 credit hours Fall and Spring semester, Summer term optional 	<ul style="list-style-type: none"> Participate in New Student Orientation Meet with your Academic Advising Center Freshman Advisor before registration Ask your Advisor about the Department of Geosciences recommended core courses for your degree plan 	<p>Prioritize Your Wellness</p> <ul style="list-style-type: none"> Participate in campus recreation Attend Financial Literacy seminars Form healthy study habits <p>Build Your Community</p> <ul style="list-style-type: none"> Use FalconLink & attend Club Day Volunteer Attend campus events <p>Explore Your World</p> <ul style="list-style-type: none"> Attend an athletics event, musical performance, or visit the art gallery 	<p>Build Your Brand</p> <ul style="list-style-type: none"> Draft your resume Register for the Job Board <p>Craft Your Future</p> <ul style="list-style-type: none"> Explore career options Have coffee with a faculty member Attend the Annual Geoscience Symposium
Sophomore	<ul style="list-style-type: none"> Complete core courses recommended for your degree plan Focus on English, Math, and Science courses Enroll in 15 credit hours Fall and Spring semester, Summer term optional 	<ul style="list-style-type: none"> Meet with your Academic Advising Center Advisor before registration Ask your Advisor about the Department of Geosciences recommended core courses for your degree plan and transitioning to a Faculty Advisor in the Department of Geosciences 	<p>Prioritize Your Wellness</p> <ul style="list-style-type: none"> Enjoy outdoor spaces on campus <p>Build Your Community</p> <ul style="list-style-type: none"> Join an organization (ex: Geology Club, AAPG, or SEG) Explore campus leadership (SGA, Orientation Leader, Resident Asst.) <p>Explore Your World</p> <ul style="list-style-type: none"> Consider study abroad Attend a lecture series 	<p>Build Your Brand</p> <ul style="list-style-type: none"> Update your resume Join LinkedIn Consider student employment Explore undergraduate research opportunities with Geosciences Department Faculty <p>Craft Your Future</p> <ul style="list-style-type: none"> Participate in mock interviews Attend an internship/career fair Attend the Annual Geoscience Symposium
Junior	<ul style="list-style-type: none"> Complete required Geology courses on 2-year rotation Complete additional core courses recommended for your degree plan Enroll in elective geology courses Enroll in 15 credit hours Fall and Spring semester Enroll in 6 credit hours Field Geology Course during the Summer term 	<ul style="list-style-type: none"> Meet with your Faculty Advisor before registration Determine if a minor is appropriate for your degree plan Ask your Advisor about the Department of Geosciences recommended core courses for your degree plan 	<p>Prioritize Your Wellness</p> <ul style="list-style-type: none"> Attend a health fair <p>Build Your Community</p> <ul style="list-style-type: none"> Run for organization officer role Apply to be a Falcon Ambassador <p>Explore Your World</p> <ul style="list-style-type: none"> Consider study abroad Participate in service learning 	<p>Build Your Brand</p> <ul style="list-style-type: none"> Update your resume Conduct research with faculty Attend networking events with the West Texas Geological Society, Permian Basin Section of the Society of Sedimentary Geology, and Permian Basin Section of the Society of Economic Geophysicists <p>Craft Your Future</p> <ul style="list-style-type: none"> Search for internships or fellowships
Senior	<ul style="list-style-type: none"> Complete required Geology courses on 2-year rotation Complete additional core courses recommended for your degree plan Complete elective geology courses Enroll in 15 credit hours Fall and Spring semester 	<ul style="list-style-type: none"> Meet with your Faculty Advisor before registration Ask your Advisor about the Department of Geosciences recommended core courses for your degree plan Discuss plans for after graduation 	<p>Prioritize Your Wellness</p> <ul style="list-style-type: none"> Attend financial literacy seminars <p>Build Your Community</p> <ul style="list-style-type: none"> Attend your ring ceremony Join Alumni Association upon graduation <p>Explore Your World</p> <ul style="list-style-type: none"> Consider study abroad (summer prior to senior year) 	<p>Build Your Brand</p> <ul style="list-style-type: none"> Update your resume Present research Continue attending networking events <p>Craft Your Future</p> <ul style="list-style-type: none"> Participate in an internship or fellowship Apply for jobs

UTPB students will graduate with these skills:

- Leadership
- Problem-solving
- Communication
- Entrepreneurship
- Social Responsibility
- Confidence
- Global Awareness
- Teamwork
- Critical Thinking

Career opportunities:

- Geologist
- Geophysicist
- Data science
- Petroleum Industry
- Government
- Environmental



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Bachelor of Science in Geology, Petroleum Geology Course Enrollment Plan*

Semester 1

English 1301 Composition
HIST 1301 History of the USA to 1877
COMM 1301 Intro to the Study of Communication[×]
MATH 2412 Precalculus
ARTS 1301 Art Appreciation

16 hours

Semester 2

English 1302 Composition 2
HIST 1302 History of the USA since 1877
COMM 1315 Intro to Public Speaking[×]
PLSC 2305 American and National Politics
MATH 2412 Calculus 1

16 hours

Semester 3

PLSC 2306 State and Local Politics
ECON 2301 Principles of Macroeconomics
PHYS 1301/1101 College Physics 1
GEOL 1301/1101 Physical Geology with Lab

14 hours

Semester 4

MATH 3301 Statistics
PHYS 1302/1102 College Physics 2[×]
GEOL 1302/1102 Historical Geology with Lab
CHEM 1311/1111 General Chemistry 1

15 hours

Geoscience courses are taught on a 2-year rotation. Depending on the year of entry, course offerings will vary for upper division courses.

Semester 5 (Junior–Senior semester 1; even years)

CHEM 1312/1112 General Chemistry 2
GEOL 3303/3103 Intro to Mineralogy
GEOL 3307/3107 Invertebrate Paleontology
GEOL 4349 Well Logging[×]

15 hours

Semester 6 (Junior–Senior semester 2; odd years)

GEOL 3304/3101 Igneous and Metamorphic Rocks
GEOL 3329/3129 GIS and GPS Applications
GEOL 4100 Basic Field Methods
GEOL 4348 Petroleum Geology
GEOL 4102 Core Description[×]

13 hours

Semester 7 (Summer Junior–Senior Year)

GEOL 4600 Advanced Field Geology

6 hours

Semester 8 J (Junior–Senior semester 3; odd years)

GEOL 3305/3105 Structural Geology
GEOL 3308/3108 Sedimentology
GEOL 3317 Environmental Geology[×]
GEOL 4317 Geology of the Permian Basin

14 hours

Semester 9 (Junior–Senior semester 4; even years)

GEOL 3309 Sequence Stratigraphy
GEOL 4101 Rock Cutting Description[×]
GEOL 4320/4120 Exploration Geophysics[×]
GEOL 4316 Earth Resources and the Environment[×]
GEOL Elective[×]

12 hours

*Suggested enrollments for first time freshmen. Transfer students and students changing majors should consult with the Geoscience Department Advisors.

[×]Multiple course options available to fulfill this requirement. Consult the course catalog and with your advisor to discuss options.