

## Bachelor of Science PETROLEUM ENGINEERING

Degree Map | 2020-2021

	YOUR CLASS	ACADEMIC ENRICHING		LIFELONG	
	SCHEDULE	ADVISING	EXPERIENCES	SUCCESS	
Freshman	<ul> <li>Focus on General Education, Math, and Science courses</li> <li>Enroll in 15 and 17 credit hours in Fall and Spring semesters, respectively</li> </ul>	<ul> <li>Participate in New Student Orientation</li> <li>Meet with your Academic Advising Center Freshman Advisor before registration</li> <li>Ask your Advisor about the recommended course sequencing for your degree plan</li> </ul>	<ul> <li>Prioritize Your Wellness</li> <li>Participate in campus recreation</li> <li>Attend Financial Literacy seminars</li> <li>Form healthy study habits</li> <li>Build Your Community</li> <li>Use FalconLink &amp; attend Club Day</li> <li>Volunteer</li> <li>Attend campus events</li> <li>Explore student chapters of professional societies: SPE, AADE, ARMA, TSPE</li> <li>Explore Your World</li> <li>Attend an athletics event, musical performance, or visit the art gallery</li> </ul>	<ul> <li>Build Your Brand</li> <li>Draft your resume</li> <li>Register for the Job Board</li> <li>Seek freshman research opportunities</li> <li>Craft Your Future</li> <li>Explore career options</li> <li>Have coffee with a faculty member</li> <li>Seek summer internship opportunities</li> </ul>	
Sophomore	<ul> <li>Complete basic math and science courses</li> <li>Start core engineering courses</li> <li>Enroll in 15 and 16 credit hours in Fall and Spring semesters, respectively</li> </ul>	<ul> <li>Meet with your Academic Advising Center Freshman Advisor before registration</li> <li>Verify course sequencing with your academic advisor</li> </ul>	<ul> <li>Actively participate in the professional society of your choice <i>Prioritize Your Wellness</i></li> <li>Enjoy outdoor spaces on campus <i>Build Your Community</i></li> <li>Join an organization</li> <li>Explore campus leadership (SGA, Orientation Leader, Resident Asst.)</li> <li>Participate in a professional society</li> <li><i>Explore Your World</i></li> <li>Consider study abroad</li> <li>Attend a lecture series</li> </ul>	<b>Build Your Brand</b> • Update your resume • Join LinkedIn • Consider student employment <b>Craft Your Future</b> • Participate in mock interviews • Explore professional licensing of engineers • Attend an internship/career fair • Continue summer internship program	
Junior	<ul> <li>Complete core engineering courses</li> <li>Start petroleum engineering courses</li> <li>Enroll in 17 and 15 credit hours in Fall and Spring semesters, respectively</li> </ul>	<ul> <li>Meet with your engineering academic advisor before registration</li> <li>Verify course sequencing with your engineering academic advisor</li> </ul>	<ul> <li>Prioritize Your Wellness</li> <li>Attend a health fair</li> <li>Build Your Community</li> <li>Run for organization officer role</li> <li>Apply to be a Falcon Ambassador</li> <li>Explore Your World</li> <li>Consider study abroad</li> <li>Participate in service learning</li> </ul>	<b>Build Your Brand</b> • Update your resume • Attend workshops on job hunting and interviewing • Conduct research with faculty <b>Craft Your Future</b> • Commit to preparing for the Fundamentals of Engineering Examination in the semester prior to graduation • Continue with summer internship program	
Senior	<ul> <li>Complete petroleum engineering courses</li> <li>Complete industrial track courses</li> <li>Enroll in 15 and 16 credit hours in Fall and Spring semesters, respectively</li> </ul>	<ul> <li>Meet with your engineering academic advisor before registration</li> <li>Finalize course selections for spring graduation</li> </ul>	<ul> <li>Prioritize Your Wellness</li> <li>Attend financial literacy seminars</li> <li>Build Your Community</li> <li>Attend your ring ceremony</li> <li>Join Alumni Association upon graduation</li> <li>Explore Your World</li> <li>Consider study abroad (summer prior to senior year)</li> </ul>	<ul> <li>Build Your Brand</li> <li>Update your resume</li> <li>Present research</li> <li>Craft Your Future</li> <li>Prepare for the Fundamentals of Engineering Examination in the spring semester</li> <li>Attend career fairs</li> <li>Apply for full time jobs</li> </ul>	

## UTPB students will graduate with these skills:

•Leadership

• Problem-solving

•Communication

- Eng
- Engineering Design
  - •Social Responsibility
  - •Confidence
- •Global Awareness
- Teamwork
- •Critical Thinking

## Career opportunities:

- Petroleum Engineer
- Technical Sales
- Project Manager
- Reservoir Engineering
- Production Engineering
- Drilling Engineering
- Unconventional Resources
- College of Engineering | Engineering Building, Room 2.002 | 432-552-3430 | engineering@utpb.edu



PENG 4305 Reservoir Engineering II

PENG 43xx PENG Elective

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## BACHELOR OF SCIENCE IN PETROLEUM ENGINEERING REQUIREMENTS

MATH 2413 C CHEM 1311 G CHEM 1111 G GEOL 1301 P	English Composition I Calculus I General Chemistry I General Chemistry lab I Physical Geology Physical Geology Lab	15 hours	Semester 2 ENGL 1302 MATH 2414 PHYS 2325 PHYS 2125 PLSC 2305 COMM	English Composition II Calculus II University Physics I University Physics I Lab American National Politics Communication elective	17 hours
PHYS 2126 U ENGR 2403 S MATH 3320 D	Jniversity Physics II Jniversity Physics II Lab Statics and Dynamics Differential Equations Petroleum Fundamentals Elective		Semester 4 MATH 2415 MATH 3301 GEOL 3212 GEOL 3112 PENG 3302 PENG 3307	5	
		15 hours			16 hours
PENG 3354         Pe           ENGR 3332         M           PENG 3301         Di           PENG 3101         D           PENG 3304         Re	JS History to 1877 etr. Fluid Mechanics lechanics of Materials rilling Engineering prilling Fluids Lab eservoir Engineering tes. Engineering Lab	17 hours	PENG 3305 PENG 3326	Arts Elective Pet. Fl. & Thermodynamics Well Design Pet. Res. Econ. & Val. Production Engineering	15 hours
	State and Local Politics et. Data Analytics /ell Testing			i. Elective US History since 1877 Reservoir Description PENG Elective	

15 hours

16 hours

PENG 4410 Senior Design