## YOUR CLASS SCHEDULE

- **Freshman**
  - Focus on General Education, Math, and Science courses
  - Enroll in 16 and 17 credit hours in Fall and Spring semesters, respectively

- **Sophomore**
  - Complete basic math and science courses
  - Start core engineering courses
  - Enroll in 17 and 15 credit hours in Fall and Spring semesters, respectively

- **Junior**
  - Complete core engineering courses
  - Start petroleum engineering courses
  - Enroll in 17 and 15 credit hours in Fall and Spring semesters, respectively

- **Senior**
  - Complete petroleum engineering courses
  - Complete industrial track courses
  - Enroll in 14 and 15 credit hours in Fall and Spring semesters, respectively

## ACADEMIC ADVISING

- **Freshman**
  - Participate in New Student Orientation
  - Meet with your Academic Advising Center Freshman Advisor before registration
  - Ask your Advisor about the recommended course sequencing for your degree plan

- **Sophomore**
  - Meet with your Academic Advising Center Freshman Advisor before registration
  - Verify course sequencing with your academic advisor

- **Junior**
  - Meet with your engineering academic advisor before registration
  - Verify course sequencing with your engineering academic advisor

- **Senior**
  - Meet with your engineering academic advisor before registration
  - Finalize course selections for spring graduation

## ENRICHING EXPERIENCES

- **Prioritize Your Wellness**
  - Participate in New Student Orientation
  - Attend Financial Literacy seminars
  - Form healthy study habits

- **Build Your Community**
  - Use FalconLink & attend Club Day
  - Volunteer
  - Attend campus events
  - Explore student chapters of professional societies: SPE, AADE, ARMA, TSPE

- **Explore Your World**
  - Attend an athletics event, musical performance, or visit the art gallery
  - Actively participate in the professional society of your choice
  - Consider study abroad
  - Attend a lecture series

- **Build Your Brand**
  - Draft your resume
  - Register for the Job Board
  - Seek freshman research opportunities

- **Craft Your Future**
  - Explore career options
  - Have coffee with a faculty member
  - Seek summer internship opportunities
  - Prepare for the Fundamentals of Engineering Examination

## LIFELONG SUCCESS

- **Build Your Brand**
  - Update your resume
  - Join LinkedIn

- **Craft Your Future**
  - Participate in mock interviews
  - Explore professional licensing of engineers
  - Attend an internship/career fair
  - Continue summer internship program

- **Prioritize Your Wellness**
  - Enjoy outdoor spaces on campus

- **Build Your Community**
  - Run for organization officer role
  - Apply to be a Falcon Ambassador

- **Explore Your World**
  - Consider study abroad
  - Participate in service learning

- **Build Your Brand**
  - Update your resume
  - Present research

- **Craft Your Future**
  - Prepare for the Fundamentals of Engineering Examination

- **Craft Your Future**
  - Attend career fairs
  - Apply for full time jobs

## UTPB students will graduate with these skills:

- Leadership
- Problem-solving
- Communication
- 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
# Bachelor of Science in Petroleum Engineering Requirements

## Semester 1
- **ENGL 1301** English Composition I
- **MATH 2413** Calculus I
- **CHEM 1311** General Chemistry I
- **CHEM 1111** General Chemistry I lab
- **GEOL 1301** Physical Geology
- **GEOL 1101** Physical Geology Lab

15 hours

## Semester 2
- **ENGL 1302** English Composition II
- **MATH 2414** Calculus II
- **PHYS 2325** University Physics I
- **PHYS 2125** University Physics I Lab
- **PLSC 2305** American National Politics
- **COMM** Communication elective

17 hours

## Semester 3
- **PHYS 2326** University Physics II
- **PHYS 2126** University Physics II Lab
- **ENGR 2403** Statics and Dynamics
- **MATH 3320** Differential Equations
- **PENG 2301** Petroleum Fundamentals
- **Lang/Phil/Cult. Elective**

17 hours

## Semester 4
- **MATH 2415** Calculus III
- **MATH 3301** Statistics
- **GEOL 3212** Sedimentary Rocks
- **GEOL 3112** Sedimentary Rocks Lab
- **PENG 3302** Res. Rock and Fluids Prop.
- **PENG 3307** Formation Evaluation

16 hours

## Semester 5
- **HIST 1301** US History to 1877
- **ENGR 3354** Intro. To Fluid Mechanics
- **ENGR 3332** Mechanics of Materials
- **PENG 3301** Drilling Engineering
- **PENG 3101** Drilling Fluids Lab
- **PENG 3304** Reservoir Engineering
- **PENG 3104** Res. Engineering Lab

17 hours

## Semester 6
- **ARTS** Arts Elective
- **ENGR 3375** Intro. To Thermodynamics
- **PENG 3305** Well Design
- **PENG 3326** Pet. Res. Econ. & Val.
- **PENG 4301** Production Engineering

15 hours

## Semester 7
- **PLSC 2306** State and Local Politics
- **ENGR 4195** Professional Practice
- **PENG 4302** Well Testing
- **PENG 4305** Reservoir Engineering II
- **PENG 4000** level Elective

13 hours

## Semester 8
- **Soc/Behv Sci. Elective**
- **HIST 1302** US History since 1877
- **PENG 4303** Reservoir Description
- **PENG 4000** Elective
- **PENG 4410** Senior Design

16 hours