Bachelor of Science
CHEMISTRY/Pre-Pharmacy
Degree Map | 2019-2020

YOUR CLASS
SCHEDULE
- Enroll in General Chemistry I and General Chemistry II series
- Focus on English and Math
- General Education Courses
- Enroll in 15-18 credit hours Fall and Spring semester if possible, and 3-6 credit hours during the Summer term.

ACADEMIC
ADVISING
- Make appointment with Academic Advisor each semester
- Attend UTPB workshops
- Review your degree map and plan your college experience
- Meet your Faculty Mentor

ENRICHING
EXPERIENCES
Prioritize Your Wellness
- Participate in campus recreation
- Attend Financial Literacy seminars
- Form healthy study habits
Build Your Community
- Use FalconLink & attend Club Day
- Volunteer
- Attend campus events
Explore Your World
- Attend an athletics event, musical performance, or visit the art gallery

LIFELONG
SUCCESS
Build Your Brand
- Update your resume
- Join LinkedIn
- Consider student employment
- Apply for Undergraduate Research Program
Craft Your Future
- Participate in mock interviews
- Attend an internship/career fair

UPPERCLASSMAN

Sophomore

- Enroll in Organic Chemistry I and Organic Chemistry II series
- Enroll in Introduction to Research
- Enroll in 15-18 credit hours Fall and Spring semester, and 3-6 credit hours during the Summer term.

- Make appointment with Academic Advisor each semester
- Participate in academic advising with Chemistry faculty member each semester.
- Complete requirements to successfully pass Sophomore Music Barrier

Junior

- Enroll in Analytical Chemistry
- Enroll Continue Introduction to Research
- Complete General Education Requirements
- Enroll in 12-16 credit hours Fall and Spring semester

- Make appointment with Faculty Mentor before registration
- Complete General Education Core
- Complete College of Education Pre-requisite courses with GPA requirements.
- Enroll in Chemistry Electives

Senior

- Complete Introduction to Research
- Enroll in Physical Chemistry I Series
- Enroll in Inorganic Chemistry
- Enroll in 12-16 credit hours Fall and Spring semester

- Complete Degree Plan Completion Audit
- Complete research hours, volunteering in schools
- Participate in recruiting activities with Chemistry Faculty

UTPB students will graduate with these skills:
- Strong background in Chemical Knowledge
- Competency and Safety Laboratory Practices
- Personal and Social Responsibility

Career opportunities:
- Industry
- Pharmacy
- Clinical Research
- Petroleum analysis and refining

College of Arts & Sciences | Dean Office – ST 1226 | 432-552-2220 | www.utpb.edu/cas
# BACHELOR OF CHEMISTRY Pre-Pharmacy

### Semester 1
- **CHEM 1311/1311W/1111** General Chemistry I Series
- **UNIV 1101** Freshman Seminar
- **ENGL 1301** Composition I
- **MATH 2412** Pre-calculus
  - OR **MATH 2413** Calculus I
- **COMM 1301** Intro to the Study of Communication
- **HIST 1301** American History I

18 hours

### Semester 2
- **CHEM 1312/1312W/1112** General Chemistry II Series
- **ARTS 1301**
- **ENGL 1302** Composition II
- **HIST 1302** American History II

14 hours

### Semester 3
- **CHEM 3311/3113** Organic Chemistry I Series
- **Phys 2325/2125** University Physics I Series
- **PLSC 2305** American National Politics
- **BIOL 1306/1106** General Biology I Series
- **COMM 1301** Intro to the Study of Communication
  - OR **PHIL 2300** Introduction to Philosophy

18 hours

### Semester 4
- **CHEM 3312/1112** Organic Chemistry II Series
- **Phys 2326/2126** University Physics II Series
- **PLSC 2306** State and Local Politics
- **BIOL 1306/1107** General Biology II Series

16 hours

### Semester 5
- **CHEM 3324/3125** Analytical Chemistry I Series
- **BIOL 3300/3101** Microbiology
- **COMM 1315** Intro to Public Speaking
- **MATH 2413** Calculus I
- **PSYC 1301** Introduction to Psychology

18 hours

### Semester 6
- **CHEM 4313** Instrumental Chemical Analysis
  - OR **CHEM 4389** Special Topics in Chemistry
- **CHEM 4340** Medicinal Chemistry
- **CHEM 4374/4175** Inorganic Chemistry Series (Even Year)
- **BIOL 3324/3125** Cell Biology Series
  - OR **BIOL 4303** Nutrition

13 hours

### Semester 7
- **CHEM 4301/4103** Physical Chemistry I Series
- **CHEM 4321/4223** Biochemistry
- **CHEM 4330/4131** NMR Spectroscopy
- **CHEM 3695** Intro to Research
- **BIOL 4322** Molecular Biology

16 hours

### Semester 8
- **CHEM 4302/4101** Physical Chemistry II Series (Odd Year)
  - OR **CHEM 4389** Special Topics in Chemistry
- **CHEM 3695** Intro to Research
- **CHEM 4389** Special Topics in Chemistry – Polymer Chemistry
- **BIOL 4340/4141** Genetics

12 hours