

	YOUR CLASS SCHEDULE	ACADEMIC ADVISING	ENRICHING EXPERIENCES	LIFELONG SUCCESS
Freshman	<ul style="list-style-type: none"> -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. 	<ul style="list-style-type: none"> -Make appointment with Academic Advisor each semester -Attend UTPB workshops - Review your degree map and plan your college experience -Meet your Faculty Mentor 	<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 • Attend Undergraduate Research Day <p>Craft Your Future</p> <ul style="list-style-type: none"> • Explore career options • Complete Chemical Safety/Lab Training • Have coffee with a faculty member
Sophomore	<ul style="list-style-type: none"> -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. 	<ul style="list-style-type: none"> - 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 	<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: ACS) • Explore campus leadership (SGA, Orientation Leader, Resident Asst.) • Participate in STEM activities on/off campus • Become a Peer Leader or Mentor <p>Explore Your World</p> <ul style="list-style-type: none"> • Consider study abroad • Attend UTPB Chemistry workshops and visiting lectures 	<p>Build Your Brand</p> <ul style="list-style-type: none"> • Update your resume • Join LinkedIn • Consider student employment • Apply for Undergraduate Research Program <p>Craft Your Future</p> <ul style="list-style-type: none"> • Participate in mock interviews • Attend an internship/career fair
Junior	<ul style="list-style-type: none"> - Enroll in Analytical Chemistry -Enroll Continue Introduction to Research -Complete General Education Requirements -Enroll in 12-16 credit hours Fall and Spring semester 	<ul style="list-style-type: none"> -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 	<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 Chemistry Ambassador • Apply to Gamma Sigma Epsilon Xi Zeta Chemistry Honor Society <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 • Participate in Summer Research (REU, LSAMP, etc.) • Attend Seminar on Professional Oral and Poster Presentations • Present Research at a National ACS Meeting <p>Craft Your Future</p> <ul style="list-style-type: none"> • Search for internships or fellowships • Attend National and Regional Scientific Conferences
Senior	<ul style="list-style-type: none"> -Complete Introduction to Research -Enroll in Physical Chemistry I Series -Enroll in Inorganic Chemistry -Enroll in 12-16 credit hours Fall and Spring semester 	<ul style="list-style-type: none"> -Complete Degree Plan Completion Audit -Complete research hours, volunteering in schools -Participate in recruiting activities with Chemistry Faculty 	<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 • Develop & present research <p>Craft Your Future</p> <ul style="list-style-type: none"> • Participate in an internship or fellowship • Apply to Graduate/Professional School • Attend GSE Binational Meeting Chemistry Club

UTPB students will graduate with these skills:

- Strong background in Chemical Knowledge
- Competency and Safety Laboratory Practices
- Personal and Social Responsibility
- Oral and Written Communication
- Independent Problem Solving
- Quantitative and Qualitative Analysis
- Team Work
- Leadership

Career opportunities:

- Industry
- Pharmacy
- Clinical Research
- Petroleum analysis and refining

- Government
- Forensics
- Higher Education
- Entrepreneur



Bachelor of Science

CHEMISTRY/Pre-Pharmacy

Degree Map | 2019-2020

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
Arts Appreciation
OR MUSI 1301 Jazz, Pop, and Rock
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