

	YOUR CLASS SCHEDULE	ACADEMIC ADVISING	ENRICHING EXPERIENCES	LIFELONG SUCCESS
Freshman	-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.	-Make appointment with Academic Advisor each semester -Attend UTPB workshops - Review your degree map and plan your college experience -Meet your Faculty Mentor	Prioritize Your Wellness <ul style="list-style-type: none"> Participate in campus recreation Attend Financial Literacy seminars Form healthy study habits Build Your Community <ul style="list-style-type: none"> Use FalconLink & attend Club Day Volunteer Attend campus events Explore Your World <ul style="list-style-type: none"> Attend an athletics event, musical performance, or visit the art gallery 	Build Your Brand <ul style="list-style-type: none"> Draft your resume Register for the Job Board Attend Undergraduate Research Day Craft Your Future <ul style="list-style-type: none"> Explore career options Complete Chemical Safety/Lab Training Have coffee with a faculty member
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	Prioritize Your Wellness <ul style="list-style-type: none"> Enjoy outdoor spaces on campus Build Your Community <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 Explore Your World <ul style="list-style-type: none"> Consider study abroad Attend UTPB Chemistry workshops and visiting lectures 	Build Your Brand <ul style="list-style-type: none"> Update your resume Join LinkedIn Consider student employment Apply for Undergraduate Research Program Craft Your Future <ul style="list-style-type: none"> Participate in mock interviews Attend an internship/career fair
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	Prioritize Your Wellness <ul style="list-style-type: none"> Attend a health fair Build Your Community <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 Explore Your World <ul style="list-style-type: none"> Consider study abroad Participate in service learning 	Build Your Brand <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 Craft Your Future <ul style="list-style-type: none"> Search for internships or fellowships Attend National and Regional Scientific Conferences
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	Prioritize Your Wellness <ul style="list-style-type: none"> Attend financial literacy seminars Build Your Community <ul style="list-style-type: none"> Attend your ring ceremony Join Alumni Association upon graduation Explore Your World <ul style="list-style-type: none"> Consider study abroad (summer prior to senior year) 	Build Your Brand <ul style="list-style-type: none"> Update your resume Develop & present research Craft Your Future <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/Bio-Chemistry

Degree Map | 2019-2020

BACHELOR OF CHEMISTRY Biochemistry Track

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

13 hours

Semester 8

CHEM 4322 Biochemistry II
CHEM 3695 Intro to Research
CHEM 4389 Special Topics in Chemistry – Polymer Chemistry
BIOL 4340/4141 Genetics

12 hours