

ACADEMIC MAP

Chemistry General Concentration, Bachelor of Science



First Year		Hours	Third Year		Hours
Fall			Fall		
UNIV 1101	University Seminar I	1	CHEM 4401	Biochemistry I	4
CHEM 1411	General Chemistry I	4	POLS 2306	State and Local Government	3
ENGL 1301	Writing and Rhetoric I	3	CHEM 4407	Inorganic Chemistry	4
HIST 1301	U.S. History to 1865	3	CHEM 3418	Instrumental Analysis	4
Biology, Geology, or Environmental Science Course		4	Hours		
Hours		15	15		
Spring			Spring		
UNIV 1102	University Seminar II	1	CHEM 4402	Biochemistry II	4
CHEM 1412	General Chemistry II	4	CHEM 3417	Quantitative Analysis	4
MATH 2413	Calculus I	4	General Chemistry Elective		4
ENGL 1302	Writing and Rhetoric II	3	General Chemistry Elective		4
HIST 1302	U.S. History Since 1865	3	Hours		
Hours		15	16		
Second Year			Fourth Year		
Fall			Fall		
CHEM 3411	Organic Chemistry I	4	CHEM 4423	Physical Chemistry I	4
PHYS 2425	University Physics I	4	Social and Behavioral Sciences Core Requirement		3
MATH 2414	Calculus II	4	General Chemistry Elective		4
Biology, Geology, or Environmental Science Course		4	Elective to meet 120		2
Hours		16	Hours		
			13		
Spring			Spring		
CHEM 3412	Organic Chemistry II	4	CHEM 4424	Physical Chemistry II	4
PHYS 2426	University Physics II	4	CHEM 4292	Senior Chemistry Seminar	2
POLS 2305	U.S. Government and Politics	3	CHEM 4085	Major Field Test in Chemistry	0
MATH 2415	Calculus III	4	General Chemistry Elective		3
Language, Philosophy & Culture Core Requirement		3	Creative Arts Core Requirement		3
Hours		18	Hours		
			12		
			Total Hours		
			120		



CAREER MAP

Chemistry General Concentration– Chemistry Bachelor of Science



The chemistry faculty seeks to provide a high-quality educational experience for students majoring in chemistry in preparation for industrial or government positions, for graduate study, and for entry to medical or dental schools. The student who wishes to obtain a Bachelor of Science Degree in Chemistry may do so by following one of the four curriculum plans referred to as Concentrations. The options include general, environmental, biochemistry, and physical science education concentrations. Students who are pre-medical, pre-dental, pre-optometry, pre-pharmacy, or pre-veterinary medicine may follow the biochemistry concentration. In addition, the biochemistry concentration offers an option which would allow students to pursue certification in clinical chemistry while obtaining their bachelor's in chemistry.

CONTACT INFORMATION

Career Counselor:

Career and Professional Development Center
UC 304 | 361.825.2628
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Internship Coordinator:

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SKILLS/ATTRIBUTES

- Critical Thinking/Problem Solving
- Teamwork/Collaboration
- Professionalism/Work Ethic
- Oral/Written Communication
- Leadership
- Digital Technology
- Career Management
- Global/Multicultural Fluency
- Math

STUDENT ORGANIZATIONS

- Chemistry Club
- SACNAS Chapter at Texas A&M University - Corpus Christi
- Student Council of Math and Science Teachers
- Pre-Veterinary Society
- SACNAS Chapter at TAMU-CC
- Pre-Dental Society
- American Medical Student Association

ADDITIONAL SOURCES OF INFORMATION

1. American Chemical Society
2. American Institute of Chemical Engineers
3. American Society of Biochemistry and Molecular Biology

CAREER OPTIONS

- Science Teacher (middle & high school level)
- Academic Researcher
- Analytical Chemist
- Biotechnologist
- Laboratory Technician
- Quality Control Analyst
- Pharmaceutical Sales
- Regulatory Affairs Specialist
- Professional School (Medical school, dental school, pharmacy school, optometry, veterinarian school, chiropractic school, etc.)

ADDITIONAL PROGRAM REQUIREMENTS

Every candidate for the BS in Chemistry following the general, environmental, or biochemistry concentration must complete the CHEM 4085 Major Field Test in Chemistry (0 sch) during their senior year, prior to graduation.