



Chemistry
College of Arts and Sciences
Holly Gaede | 979-845-0520
chem.tamu.edu

2023-2024 Transfer Course Sheet
Minimum GPA | 3.0
Minimum Transferable Hours | 24
Maximum Transferable Hours | 90
Second-Choice Major Eligible | YES

Required Coursework for Admission

Course Name	Hrs.	TCCNS	TAMU
Engineering Math I	4	MATH 2413	MATH 151
Engineering Math II	4	MATH 2414	MATH 152
Chemistry I	4	CHEM 1411 (1311/1111)	CHEM 119
Chemistry II	4	CHEM 1412 (1312/1112)	CHEM 120

- Required courses listed should be completed with a grade of B or better.
- Students may have to complete Trigonometry and Pre-Calculus (MATH 2412) at their institution before taking MATH 2413.
- Trigonometry and Pre-Calculus are transferable courses but **will not** satisfy the Mathematics requirements in this degree plan.
- College Algebra is a transferable course but **will not** satisfy the Mathematics requirements in this degree plan.

The recommendations below represent what a typical TAMU student's schedule looks like during the first four semesters. If working to complete an Associate's Degree before transferring, please align your degree plan to satisfy TAMU degree requirements. You may not have to complete the coursework in the sequence below but this major requires or recommends specific coursework to be completed.

First Year

FALL SEMESTER

TCCNS	TAMU	Course Name	Hrs.
CHEM 1411 (1311/1111)	CHEM 119	Chemistry I	4
MATH 2413	MATH 151	Engineering Math I	4
ENGL 1302	ENGL 104	Composition & Rhetoric	3
HIST 1301	HIST 105	History of the U.S.	3
Total			14

SPRING SEMESTER

TCCNS	TAMU	Course Name	Hrs.
CHEM 1412 (1312/1112)	CHEM 120	Chemistry II	4
MATH 2414	MATH 152	Engineering Math II	4
HIST 1302	HIST 106	History of the U.S.	3
PHYS 2425 (2325/2125)	PHYS 206/226	Mechanics	4
Total			15

Second Year

FALL SEMESTER

TCCNS	TAMU	Course Name	Hrs.
*CHEM 2323/2423	CHEM 227/237	Organic Chemistry I	4
*MATH 2415	MATH 253	Engineering Math III	4
PHYS 2426 (2326/2126)	PHYS 207/227	Electricity and Optics	4
GOVT 2305	POLS 206	American National Government	3
Total			15

SPRING SEMESTER

TCCNS	TAMU	Course Name	Hrs.
*CHEM 2325/2425	CHEM 228/238	Organic Chemistry II	4
	core.tamu.edu	Creative Arts or Social and Behavioral Science	3
	core.tamu.edu	communication	3
GOVT 2306	POLS 207	State & Local Government	3
Total			14

- Consider taking courses that fulfill the 6 hours of International and Cultural Diversity and/or Cultural Discourse requirement when completing the Social & Behavioral Sciences, Creative Arts and Language Philosophy & Culture requirements.
- * If these courses are transferred, B's must be earned to count toward chemistry degree plan.

Chemistry majors at TAMU take major specific courses in the third and fourth semester. These will need to be completed after transferring.



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Second-Choice Major Eligible | YES

Coursework Timeline

- Competitive applicants will have the required coursework completed by the application deadline.
- Applicants to the summer/fall term **may be** asked to submit spring final grades; this is not a guarantee.
- Summer coursework **will not** be considered for summer/fall applicants.
- Fall coursework **will not** be considered for spring applicants.
- Applicants to the spring term should have the required coursework completed by the end of Summer II semester before applying.

Additional Transfer Requirements

- The Department of Chemistry is looking for students who are interested in pursuing our degree as a focus. Students should indicate our department as the primary major they are interested in if they wish to be admitted. The essay and supporting materials should reflect that the student is interested in pursuing our degree.
- Meeting minimum requirements **does not** guarantee admission. The entire record is reviewed for consistency in coursework and grades.

Additional Information

- Applicants should be serious about earning a degree in Chemistry.
- Transfer applicants are instructed **NOT** to accept transfer admission to any major with the expectation of later applying for an on-campus change of major.

Career & Educational Opportunities

Chemists study and analyze the properties, structure, composition and reactions of natural and synthetic substances and examine the underlying chemical principles. In the next century, advances in chemistry will profoundly impact our world. Chemists' abilities to understand and manipulate molecules will radically change our industries, our health, and our interactions with the environment. Chemistry is at the heart of the knowledge needed for the biotechnology revolution to succeed.

In addition to the traditional BS degree (which allows for optional minors) and the traditional BA degree (minor required), the Department of Chemistry offers six tracks to guide students in their selection of electives for particular career paths in biological chemistry, environmental chemistry, materials chemistry, and chemical education. These tracks include Biological Chemistry (BA), Chemical Education-Secondary (BA), Environmental Chemistry (BA), Biological Chemistry (BS), and Environmental Chemistry (BS), and Materials Chemistry (BS). Career paths chosen by recent chemistry graduates include: Positions in the Chemical, Petrochemical, Pharmaceutical, Biotech, or Personal Care Product Industries; Forensic Chemistry; Graduate School; Medical, Dental, Vet or Pharmacy School; Law School; Teaching; Technical, Pharmaceutical, or Medical Equipment Sales; and Military/Government Careers. For more information please visit careercenter.tamu.edu.

Transfer Course Sheet Notes

1. Admission preference is given to applicants with the highest GPA and the most appropriate courses completed.
2. Transfer applicants are encouraged to complete [University Core Curriculum](#) coursework found in the [Undergraduate Catalog](#) unless specified above.
3. This Transfer Course Sheet was supported in a partnership between the Office of Admissions and the College of Arts and Sciences at Texas A&M University with the Undergraduate Catalog having the most extant and definitive information.