



Chemistry
College of Science
Holly Gaede | 979-845-0520
chem.tamu.edu

2021-2022 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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Maximum Transferable Hours | 90
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 five tracks to guide students in their selection of electives for particular career paths in biological chemistry, environmental 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: Medical, Dental, Vet or Pharmacy School, Law School, Forensic Chemistry, Graduate School, Teaching, Industrial Positions, 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 Science at Texas A&M University with the Undergraduate Catalog having the most extant and definitive information.