



Interdisciplinary Engineering (ITDE/MTDE)
 College of Engineering
 979-458-8629
 mtde@tamu.edu
[Department of Multidisciplinary Engineering](#)

2023-2024 Transfer Course Sheet
 Minimum GPA | 3.75
 Minimum Transferable Hours | 24
 Second-Choice Major Eligible | NO

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 for Engineers and Lab	4	CHEM 1409 or 1412	CHEM 107/117
Physics for Engineers I	3	PHYS 2425 or 2325	PHYS 206
Physics for Engineers II	3	PHYS 2426 or 2326	PHYS 207
Composition and Rhetoric	3	ENGL 1301 or ENGL 1302	ENGL 103 or ENGL 104

Transfer applicants admitted to Texas A&M Engineering with credit for PHYS 2425 (2325/2125) and PHYS 2426 (2326/2126) will only receive 6 credit hours towards their Engineering bachelor's degree if entering AFTER Spring 2018.

- Courses listed should be completed with a grade of C or better.
- Students may have to complete College Algebra (MATH 1314) or Pre-Calculus (MATH 2412) at their institution before taking MATH 2413.
- College Algebra and Trigonometry and Pre-Calculus are transferable courses but **will not** apply to the Interdisciplinary Engineering degree plan.
- Students attending an institution without an equivalent to CHEM 107/117 can transfer an equivalent to Fundamentals of Chemistry II (CHEM 120-CHEM 1412) to meet the CHEM 107/117 requirement.

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 recommends specific coursework to be completed.

First Year

FALL SEMESTER

TCCNS	TAMU	Course Name	Hrs.
CHEM 1409 or 1412	CHEM 107/117 or CHEM 120	Chemistry for Engineers or General Chemistry II ¹	4
	core.tamu.edu	American History	3
MATH 2413	MATH 151	Engineering Math I	4
ENGL 1301 or 1302	ENGL 103 or 104	Basic Composition ²	3
Total			14

SPRING SEMESTER

TCCNS	TAMU	Course Name	Hrs.
	core.tamu.edu	Language, Philosophy & Culture ³	3
	core.tamu.edu	Social & Behavioral Science ³	3
MATH 2414	MATH 152	Engineering Math II	4
PHYS 2425 or 2325/2125	PHYS 206	Physics for Engineers I	3-4
Total			13-14

Second Year

FALL SEMESTER

TCCNS	TAMU	Course Name	Hrs.
MATH 2415	MATH 253	Engineering Math III ⁴	4
ENGL 2311	ENGL 210	Technical Writing	3
GOVT 2305	POLS 206	American National Government	3
PHYS 2426 or 2326/2126	PHYS 207	Physics for Engineers II	3-4
Total			13-14

SPRING SEMESTER

TCCNS	TAMU	Course Name	Hrs.
	core.tamu.edu	American History	3
	core.tamu.edu	Creative Arts ³	3
GOVT 2306	POLS 207	State & Local Government	3
MATH 2320		Differential Equations ⁵	3
Total			12



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Notes:

1. Either CHEM 1409 or CHEM 1412 will fulfill the 4 credit chemistry requirement for this engineering degree.
2. Either ENGL 1301 or ENGL 1302 will fulfill the ENGL 104 requirement for this engineering degree.
3. Consider taking courses that fulfill the 3 hours of [International and Cultural Diversity requirement](#) when completing the Social and Behavioral Sciences, Language, Philosophy & Culture or Creative Arts requirements.
4. MATH 2415 transfers as MATH 253 to Texas A&M but will fulfill the MATH 251 requirement for an engineering degree; only three credit hours of the MATH 2415 will be used.
5. **MATH 2320 will transfer in as title only but could substitute for the MATH 308 requirement for this engineering degree. Please retain syllabi from all coursework taken.**

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 by admissions for summer/fall applicants.
- Fall coursework **will not** be considered by admissions 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 Multidisciplinary Engineering is looking for students who are interested in pursuing our degree as a focus. Students should indicate our department as the primary major if they wish to be admitted. The essay and supporting materials should reflect that the student is interested in pursuing our degree.
- Applicant's essay **MUST** convey their understanding of and desire to pursue an Interdisciplinary Engineering degree and planned career path.
- Transfer applicants should have completed at least 2 full semester course loads of a total of 24 transferable hours (minimum) after graduating from high school.
- 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 Interdisciplinary Engineering.
- Competitive applicants will have at least all of the Required Coursework completed and have earned a grade of 'B' or better in each of the required courses.
- 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.
- The department may consider in-progress coursework if it is listed on the student's application.
- Prospective students should refer to the Texas A&M Transfer Course Equivalency website for common course numbers by institution.
- There are few exceptions for ENGR 102/216/217 substitutions. Transfer students should plan on taking the appropriate ENGR coursework. Substitutions must be approved by the department. A computer programming course in Python, C++, Java, etc. could possibly substitute for these course requirements.
- The department is unable to provide scholarships to incoming transfer students.

Career & Educational Opportunities

Earning a Bachelor of Science (B.S.) in Interdisciplinary Engineering (ITDE) allows students to develop unique skill sets and specialize in areas that may not be provided in a traditional department degree program. Such specializations may be driven by emerging technical fields or by a student's desire to have an immersive interdisciplinary experience. ITDE students graduate with a specific set of skills resulting from a unique program of study. 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 Engineering at Texas A&M University with the Undergraduate Catalog having the most extant and definitive information.