



Ocean Engineering | College of Engineering
Charles Donaway – College Station | 979.845.9723
cdonaway@ocen.tamu.edu

2024-2025 Transfer Course Sheet
Minimum GPA | 3.0
Minimum Transferable Hours | 24
Second-Choice Major Eligible | YES

Required Coursework for Admission Consideration

Course Name	Hrs.	TCCNS	TAMU
Engineering Math I	4	MATH 2413	MATH 151
Physics for Engineers I	3	PHYS 2425 or 2325	PHYS 206 (See Note)
Chemistry for Engineering	4	CHEM 1409 or 1412**	CHEM 107/117 or CHEM 120**
Engineering Mathematics II	4	MATH 2414	MATH 152

This transfer course sheet is applicable for applicants applying between August 1st, 2024 and October 15th, 2025.

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 B or better.
- Students may have to complete Trigonometry and Pre-Calculus (MATH 2412) at their institution before taking MATH 2413.
- College Algebra, Trigonometry, and Pre-Calculus are transferable courses, but **will not** satisfy the Mathematics requirements in this degree plan.
- **Prospective 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 fulfill the CHEM 107/117 requirement.

The recommendations below represent what a TAMU student's schedule may look like during the first four semesters minus the TAMU College of Engineering courses. If working to complete an Associate's Degree before transferring, work with your current academic advisor to try and align your degree plan with TAMU degree requirements to the extent possible.

First Year

FALL SEMESTER

TCCNS	TAMU	Course Name	Hrs.
MATH 2413	MATH 151	Engineering Math I	4
CHEM 1309/1109	CHEM 107/117	Chemistry for Engineering	4
ENGL 1301 or 1302	ENGL 103 or 104	Composition & Rhetoric*	3
	core.tamu.edu	American History	3
Total			14

SPRING SEMESTER

TCCNS	TAMU	Course Name	Hrs.
MATH 2414	MATH 152	Engineering Math II	4
PHYS 2425 (2325)	PHYS 206	Physics for Engineers**	4
ENGL 2311	ENGL 210	Technical & Business Writing	3
	core.tamu.edu	American History	3
Total			14

- *Either ENGL 1301 or ENGL 1302 will fulfill three of the six required credit hours of Communication requirement
- **You may take the four-credit hour version of PHYS, but only three credits will be applied.

Second Year

FALL SEMESTER

TCCNS	TAMU	Course Name	Hrs.
MATH 2415	MATH 253	Engineering Math III	4
PHYS 2426 (2326)	PHYS 207	Physics for Engineers II**	3
	core.tamu.edu	Language, Philosophy, & Culture	3
GOVT 2305	POLS 206	American National Government	3
Total			13

SPRING SEMESTER

TCCNS	TAMU	Course Name	Hrs.
	core.tamu.edu	Creative Arts	3
	core.tamu.edu	Social & Behavioral Sciences	3
GOVT 2306	POLS 207	State & Local Government	3
Total			9

- Consider taking courses that fulfill the 3 hours of [International and Cultural Diversity requirement](#) when completing the Social and Behavioral Sciences, Creative Arts, and Language, Philosophy, & Culture requirements.
- **You may take the four credit hour version of PHYS, but only three credits will be applied.



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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 Ocean Engineering 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.
- 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 Ocean Engineering.
- 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.
- Students are encouraged to complete or in progress of completing a computer programming course. Any language is acceptable: however, (in order of preference) Python, Matlab, and C++ are the preferred languages

Career & Educational Opportunities

Ocean engineering is the application of basic engineering principles to the analysis, design, construction, and management of systems that operate in the ocean environment. As such, ocean engineering is a hybrid technical area utilizing techniques from many branches of engineering. The areas of study in the ocean engineering program include fluid mechanics, structural mechanics, ocean wave mechanics, oceanography, geotechnical engineering, coastal engineering, environmental fluid mechanics, marine structures, naval architecture, diving and moored systems, underwater acoustics, laboratory measurements, and ocean engineering design. 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 2020-2021 Undergraduate Catalog having the most extant and definitive information.