



**Recommended Coursework for Admission**

Course Name	Hrs.	TCCNS	TAMU
American History	6	<a href="http://core.tamug.edu">core.tamug.edu</a>	<a href="http://core.tamug.edu">core.tamug.edu</a>
Mathematics I*	4	MATH 2413	MATH 151 or 147
Mathematics II*	4	MATH 2414	MATH 152 or 148
American National Government	3	GOVT 2305	POLS 206
State and Local Government	3	GOVT 2306	POLS 207
Composition and Rhetoric	3	ENGL 1302	ENGL 104
Elective in Communications	3	<a href="http://core.tamug.edu">core.tamug.edu</a>	<a href="http://core.tamug.edu">core.tamug.edu</a>
Elective in Creative Arts**	3	<a href="http://core.tamug.edu">core.tamug.edu</a>	<a href="http://core.tamug.edu">core.tamug.edu</a>
Elective in Language, Philosophy & Culture**	3	<a href="http://core.tamug.edu">core.tamug.edu</a>	<a href="http://core.tamug.edu">core.tamug.edu</a>
Mechanics and Motion	4	PHYS 2325/2125	PHYS 206/226
Electricity and Magnetism	4	PHYS 2326/2126	PHYS 207/227
Fundamentals of Chemistry I	4	CHEM 1411	CHEM 119
Fundamentals of Chemistry II	4	CHEM 1412	CHEM 120
Principles of Geology	4	GEOL 1403/GEOL 1303 & 1103	GEOL 101 & 102
Oceanography	4	GEOL1445/GEOL 1345 & 1145	OCNG 251 & MARS 252

- \* Must make a grade of C or better for Degree plan
- \*\* Consider taking courses that fulfill the 6 hours of [International and Cultural Diversity requirement](#) when completing these core areas.
- All license option programs require three summer cruises. Student must have a minimum of one semester in residence prior to first cruise. For all transfer students, license option degrees will require three years of residency.

**The recommendations below are adjusted from a standard TAMUG student’s schedule to include only transferable coursework within the degree plan. If working to complete an Associate’s Degree before transferring, please align your degree plan to satisfy TAMUG degree requirements. You do not have to complete the coursework in the sequence below.**

**First Year**

**FALL SEMESTER**

TCCNS	TAMU	Course Name	Hrs.
ENGL 1302	ENGL 104	Composition and Rhetoric	3
MATH 2413	MATH 151 or 147	Math I	4
	<a href="http://core.tamug.edu">core.tamug.edu</a>	Creative Arts	3
GOVT 2305	POLS 206	American National Government	3
<b>Total</b>			<b>13</b>

**SPRING SEMESTER**

TCCNS	TAMU	Course Name	Hrs.
PHYS 2325/2125	PHYS 206/226	Mechanics and Motion	4
MATH 2414	MATH 152 or 148	Math II	4
	<a href="http://core.tamug.edu">core.tamug.edu</a>	American History	3
CHEM 1411	CHEM 119	Fundamentals of Chemistry I	4
<b>Total</b>			<b>15</b>



## Second Year

### FALL SEMESTER

TCCNS	TAMU	Course Name	Hrs.
PHYS 2326/2126	PHYS 207/227	Electricity and Magnetism	4
	<a href="http://core.tamug.edu">core.tamug.edu</a>	Communications	3
CHEM 1412	CHEM 120	Fundamentals of Chemistry II	4
GEOL 1403	GEOL 101 & 102	Principles of Geology	4
<b>Total</b>			<b>15</b>

### SPRING SEMESTER

TCCNS	TAMU	Course Name	Hrs.
	<a href="http://core.tamug.edu">core.tamug.edu</a>	American History	3
GOVT 2306	POLS 207	State and Local Government	3
	<a href="http://core.tamug.edu">core.tamug.edu</a>	Social and Behavioral Sciences	3
GEOL1445	OCNG 251 & MARS 252	Oceanography	4
	<a href="http://core.tamug.edu">core.tamug.edu</a>	Language, Philosophy & Culture	3
<b>Total</b>			<b>16</b>

### Coursework Timeline

- Competitive applicants will have the Recommended or 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 Recommended or Required coursework completed by the end of Summer II semester before applying.

### Additional Transfer Requirements

- Transfer applicants should have completed a full semester (spring or fall) course load of 12 transferable hours (minimum) after graduating from high school.
- The Department of Marine Sciences 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. Admission preference is given to applicants with the highest GPA and the most appropriate courses completed.

### Additional Information

- Applicants should be serious about earning a degree in Marine Sciences.
- 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

The Marine Sciences (MARS) curriculum concentrates on the physical and chemical aspects of science of the marine, estuarine, and coastal environment. The coastal location of the Galveston campus enables students to acquire extensive hands-on field experience in addition to a solid base of academic instruction in chemistry, geology, physics, biology, and mathematics. Advanced work centers around four semesters of oceanography. Electives in the junior and senior year allow the student to obtain a broader background in ocean studies or to specialize, usually in the areas of environmental science, geology, or chemistry. The Marine Sciences graduate has a strong, well-rounded foundation in the quantitative physical sciences with considerable field and laboratory experience. With suitably chosen electives, graduates are qualified to enter M.S. or Ph.D. programs in Oceanography or related disciplines, or to move directly into jobs in environmental monitoring, oceanographic instrumentation, pollution control, the offshore oil industry and other fields. Also, students majoring in Marine Sciences can be eligible for a secondary teaching field in Physical Sciences, pending a passing score on the state certification test (ExCET). For more information please visit [careercenter.tamug.edu](http://careercenter.tamug.edu).

### Transfer Course Sheet Notes

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