



Applied Mathematical Sciences  
 College of Science  
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[math.tamu.edu](http://math.tamu.edu)

2021-2022 Transfer Course Sheet  
 Minimum GPA | 3.0 overall GPA  
 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
Approved Science	8	CHEM 1411 (1311/1111)	CHEM 119
		CHEM 1412 (1312/1112)	CHEM 120
		BIOL 1406 (1306/1106)	BIOL 111
		BIOL 1407 (1307/1107)	BIOL 112
		PHYS 1403 (1303/1103)	ASTR 111
		PHYS 2425	PHYS 206/226
		PHYS 2426	PHYS 207/227

- 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 requirement in this degree plan.
- Up to 8 hours of MATH courses above Calculus II (MATH 2415, 2320, etc.) can replace up to 8 hours of Approved Science courses in exceptional cases.

**Below is a typical Applied Math Major's schedule during the first four semesters. If you plan to transfer to TAMU as an Applied Math Major, please align your current degree plan so that you satisfy as many of the requirements below as possible.**

#### First Year

##### FALL SEMESTER

TCCNS	TAMU	Course Name	Hrs.
MATH 2413	MATH 151	Engineering Math I	4
GOVT 2305	POLS 206	American National Government	3
	See list above	Approved Life and Physical Sciences	4
ENGL 1301 or 1302	ENGL 103 or 104	Composition & Rhetoric	3
<b>Total</b>			<b>14</b>

##### SPRING SEMESTER

TCCNS	TAMU	Course Name	Hrs.
MATH 2414	MATH 152	Engineering Math II	4
GOVT 2306	POLS 207	State & Local Government	3
	See list above	Approved Life and Physical Sciences	4
COSC 1420	CSCE 206	C Programming	4
<b>Total</b>			<b>15</b>

#### Second Year

##### FALL SEMESTER

TCCNS	TAMU	Course Name	Hrs.
MATH 2315/2415	MATH 251/253	Engineering Math III	3-4
HIST 1301	HIST 105	History of the U.S.	3
SPCH 1315 or 2335	COMM 203 or 243	Communication	3
	<a href="http://core.tamu.edu">core.tamu.edu</a>	Creative Arts	3
<b>Total</b>			<b>12-13</b>

##### SPRING SEMESTER

TCCNS	TAMU	Course Name	Hrs.
MATH 2320*	MATH 308	Differential Equations	3
PHYS 2425 (2325/2125)	PHYS 218	Physics - Mechanics	4
HIST 1302	HIST 106	History of the U.S.	3
ECON 2302 or 2301	ECON 202 or 203	Economics	3
<b>Total</b>			<b>13</b>

- \* Contact the Math Department prior to enrolling in MATH 2320 to determine whether MATH 2320 at your institution is equivalent to MATH 308 at TAMU.
- All core curriculum coursework (other than Math and Science Required Coursework) should be completed with a **grade of C or better**.
- Consider taking courses that fulfill the 6 hours of International and Cultural Diversity and/or Cultural Discourse requirement when completing the Social and Behavioral Sciences (ECON 202 or 203), Creative Arts, and Language, Philosophy and Culture requirements (see [core.tamu.edu](http://core.tamu.edu)).



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#### Coursework Timeline

- Competitive applicants should have the Required Coursework completed by the application deadline.
- Applicants to the spring term should have the Required Coursework completed by the end of the Summer II semester. Applicants to the summer/fall term may be put on HOLD and the final decision made after spring semester final grades are submitted to the Admissions Office.
- Summer coursework **will not** be considered for summer/fall applicants.
- Fall coursework **will not** be considered for spring applicants.

#### Additional Transfer Requirements

- Transfer applicants should have completed two full semesters (fall and spring) of **24** transferable hours (minimum) after graduating from high school.
- The Department of Mathematics is looking for students who are seriously interested in pursuing our degree as a focus. Students should indicate our department (APMS) as the primary major they are interested in if they wish to be considered for transfer to Applied Math. The essay and supporting materials should reflect the student's interest in Applied Mathematics.
- Meeting minimum requirements **does not** guarantee admission. The entire record is reviewed for consistency in coursework and grades.

#### Additional Information

- 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

Many advances in technology and business are achieved by people applying technical knowledge from statistics, computing science, finance, economics, and mathematics. The curriculum in applied mathematical sciences provides study in all of these areas, with ample electives available to allow further in-depth study of any of these areas. In fact, there are **six separate emphasis areas** in this curriculum: **Actuarial, Biological Science, Computational, Economics, Math, and Statistics**. The Actuarial Science emphasis includes mathematical finance. A student completing this program is prepared to enter employment with analytical and quantitative tools relevant to technological industries and/or modern financial markets. On the other hand, with the appropriate electives chosen, the student is prepared to enter quantitatively oriented graduate schools. For more information please visit [careercenter.tamu.edu](http://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.