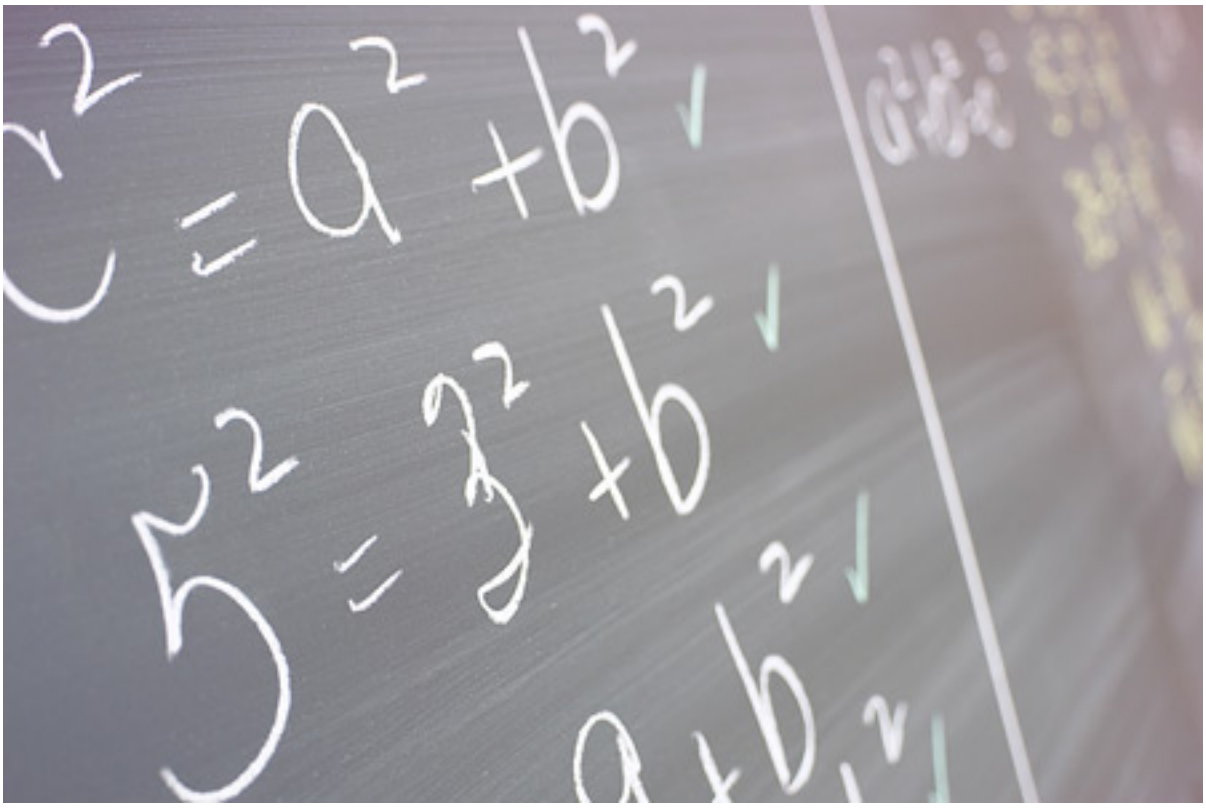
Mathematics



The study of mathematics is a valuable first step for students seeking careers in science, mathematics, engineering, and technology, and in satisfying core curriculum requirements.

Many careers require education beyond the associate degree. Students should work with their advisor to tailor course selections to align with their chosen transfer university. The transfer plan on this page shows a tailored example for a university commonly chosen by Lee College students. However, students may choose to continue their education at any university.

What Will I Learn?

Mathematics courses emphasize organization, logic, quantitative reasoning, critical thinking, mathematical writing, persistence and the application of models to real world problems. College-level mathematics classes prepare students for upper-division courses in science, mathematics, engineering, and technology.

View Program Learning Outcomes

"What Can I Do With This Course of Study?"

An advanced degree in Math can lead to a variety of different careers such:

- Mathematician
- Mathematics teacher
- Actuary analyst

- Mathematics content developer
- Financial analyst
- Information analyst
- Software developer
- Computer programmer
- Auditor
- Statistician
- Researcher
- Bookkeeper
- Certified public accountant
- Operations manager

Most careers related to mathematics require additional training or education, but mathematics provides a solid foundation for many careers outside of science, technology, engineering, and mathematics.

Mathematics UHCL Transfer Plan

AS MATHEMATICS: Please note that MATH 1314 & MATH 2412 are pre-requisites for MATH 2413. The remainder of the plan includes course options for transferring into the MATHEMATICS BS program at the University of Houston-Clear Lake. The plan includes more than the 60 hours required for an Associate of Science and allows students to complete additional bachelor's degree requirements before transfer.

Foundations: These are the courses students need in order to progress in their career/college pathway, as they either provide a certificate or lay the groundwork for moving to the next set of courses.

Lee College		UHCL
Course	**Course Title**	**Counts Toward**
EDUC 1200	Learning Frameworks	PSYC 1300
ENGL 1301	English Composition 1	WRIT 1301
MATH 2314	Calculus 1	MATH 2314
HIST 1301	History of the United States to 1877	HIST 1301
COSC 1436	Programming Fundamentals 1	CSCI 1470
GOVT 2305	Federal Government	POLS 2305

Knowledge Building: These courses further the students' knowledge in the area of study and increase their preparation for the degree completion.

Lee College		UHCL
Course	**Course Title**	**Counts Toward**
MATH 2414	Calculus 2	MATH 2414
PHYS 2425	University Physics 1; Lecture and lab	PHYS 2125/2325
HIST 1302	History of the United States since 1877	HIST 1302
GOVT 2306	Texas Government	POLS 2306

PSYC 2301 or SOCI 1301	Introduction to Psychology or Introduction to Sociology	PSYC 2301 or SOCI 1301
ENGL 1302	English Composition 2	WRIT 1302
HUMA 1301	Introduction to Humanities	HUMN 1301

Completion: These are the courses the student needs in order to complete the degree plan and prepare to enter the workforce.

Lee College		UHCL
Course	**Course Title**	**Counts Toward**
PHYS 2426	University Physics 2; Lecture and lab	PHYS 2126/2326
MATH 2318	Linear Algebra	MATH 2318
MATH 2320	Differential Equations	MATH 2320
MATH 2415	Calculus 3	MATH 2415
ARTS 1303 or 04	Art History 1 OR Art History 2	ARTS 1303 or 1304
SPCH 1315	Principles of Public Speaking	COMM 1315

CAREERS IN MATHEMATICS
My Next Move

Live Chat

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