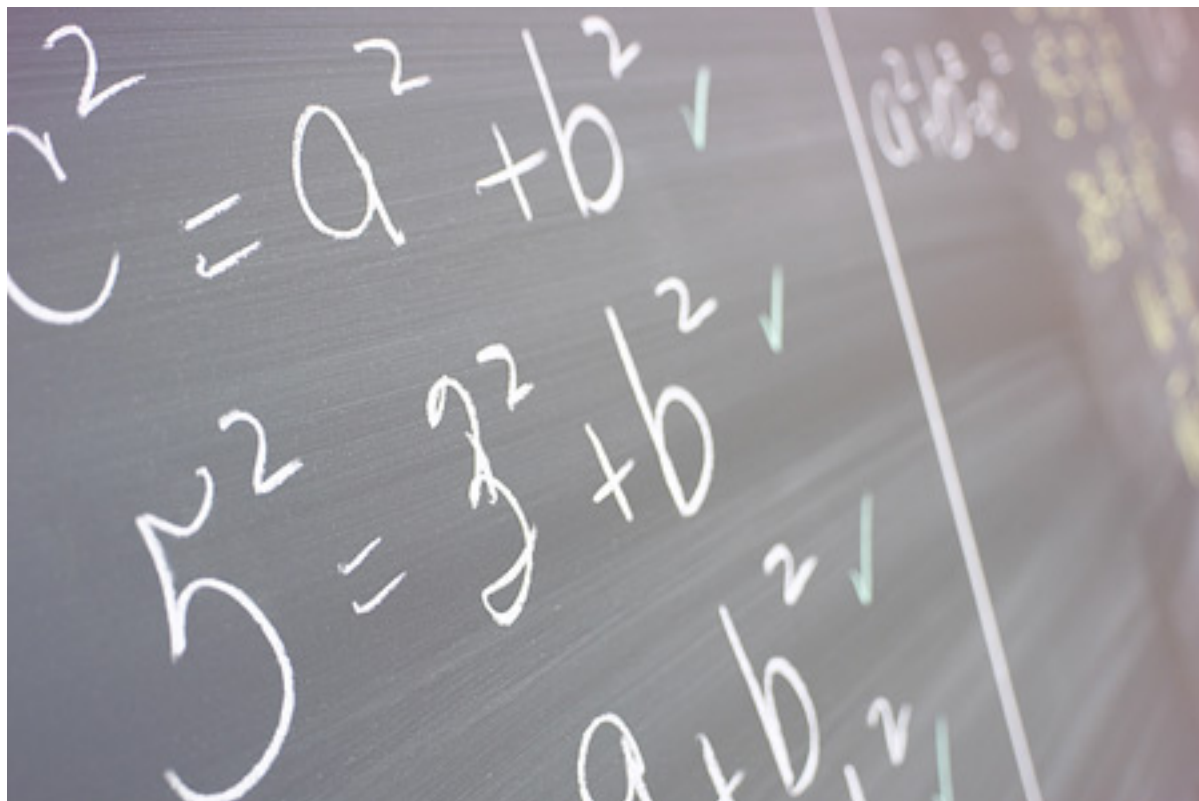


# Mathematics



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 PSYC 2301 or SOCI 1301  
or Introduction to  
Sociology  
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;<br>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<br>History 2        | ARTS 1303 or 1304 |
| SPCH 1315       | Principles of Public<br>Speaking         | COMM 1315         |

[CAREERS IN  
MATHEMATICS  
My Next Move](#)

■  
[Live Chat](#)

## Contact Info.

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