UNIVERSITY OF ST. THOMAS

HOUSTON

## 2023-2024 Catalog

## Mathematics

## Bachelor of Arts

## Academic Department

Mathematics
Mathematics is one of the most permanent and universal of the liberal arts and sciences. The courses offered by the department recognize mathematics as the universal tool for the life, natural, and social sciences. The program's core consists of topics chosen to ensure students understand and appreciate the nature of mathematical thought and the role abstraction and logic play in it.

The Department of Mathematics, Statistics and Computer Science at UST offers various degree programs related to mathematics and computer science for undergraduate students. Students can pursue a Bachelor of Arts degree with a major or minor in mathematics, a Bachelor of Science degree in applied mathematics, a Bachelor of Science degree with a major or minor in computer science, a minor in Applied Statistics and/or a minor Data Analytics. Students interested in a teaching career may select courses specifically designed to support their goals. In addition, the department also offers a variety of courses that fulfill the University's core curriculum requirement.

The Distinguished Student of Mathematics Scholarship Endowment Fund and the Dr. William A. and Margaret Reddie Endowed Scholarship in Mathematics provide financial assistance to majors in mathematics. The Mathematics Department Research and Development Endowment Fund supports the Department of Mathematics, Statistics, and Computer Science.
**All graduating seniors who major in mathematics must take the Educational Testing Service (ETS) Major Field Test in Mathematics before graduation but no earlier than the penultimate semester. **

## Total Credits 47

## Mathematics Required

Complete all of the following courses.


## Computer Science

Complete one of the following courses.

| Item \# | Course Title |
| :--- | :--- |
| COMSC 1450 | Introduction to Programming |
| and Computer Science |  |

## Mathematics Electives

Choose 2 courses from the 3000/4000 level MATH courses.
Note: MATH 3313, 3332, 3333, 3336, 3341, 3342 and 3354 do NOT apply to mathematics major requirements.

## Lab Science Course Requirement

Complete at least one lecture/lab in an approved science area (BIOL/CHEM/PHYS).

## Philosophy Logic Course Requirement

Complete one of the following courses.

| Item \# | Course Title |  |
| :--- | :--- | :--- |
| PHIL 3333 | Logic (Traditional Logic) |  |
| PHIL 3350 | Contemporary Logic | PHIL 3350 Prerequisite: PHIL <br> 2314 or $2316 / 3316$ |

