

BS in Mathematics (694420) MAP Sheet

Computational, Mathematical, and Physical Sciences, Mathematics

For students entering the degree program during the 2026-2027 curricular year.



FRESHMAN YEAR

1st Semester

First Year Writing 3.0

MATH 112 4.0

MATH 191 0.5

MATH 290 3.0

GE Arts, Letters, Sciences (or CS 110) 3.0

UNIV 101 2.0

Total Hours 15.5

2nd Semester

A HTG 100 3.0

CS 111 3.0

MATH 113 4.0

MATH 213 2.0

MATH 215 1.0

Religion Cornerstone 2.0

Total Hours 15.0

SOPHOMORE YEAR

3rd Semester

MATH 314 3.0

MATH 371 3.0

GE Arts, Letters, Sciences 3.0

Religion Cornerstone 2.0

University Elective 4.0

Total Hours 15.0

4th Semester

MATH 413 3.0

MATH 341 3.0

GE Arts, Letters, Sciences 3.0

GE Arts, Letters, Sciences 3.0

Religion Cornerstone 2.0

University Elective 0.5

Total Hours 14.5

JUNIOR YEAR

5th Semester

CS 235 or CS 270 or Stat 386 3.0

MATH 334 3.0

Adv Written and Oral Communication 3.0

Math Elective 1 3.0

Religion Cornerstone Course 2.0

University Elective 1.0

Total Hours 15.0

6th Semester

MATH 352 3.0

Math Elective 2 3.0

GE Arts, Letters and Sciences 3.0

GE Religion 2.0

University Elective 4.0

Total Hours 15.0

SENIOR YEAR

7th Semester

Math Elective 3 3.0

STAT 201 or Math 431 3.0

GE Arts, Letters, Sciences 3.0

GE Religion 2.0

University Elective 4.0

Total Hours 15.0

8th Semester

Global and Cultural Awareness 3.0

Math Elective 4 3.0

GE Religion 2.0

University Elective 7.0

Total Hours 15.0

See University Core requirements here:

<https://catalog.byu.edu/generaleducation>

THE DISCIPLINE

Mathematics is a means of dealing with order, pattern, and number as seen in the world around us. The abilities to compute, to think logically, and to take a reasoned approach to solving problems are highly valued in society and are characteristics of any educated person.

Mathematics is not just a body of knowledge, but a process of analysis, reasoning, comparison, deduction, generalization, and problem solving. A mathematician's stock in trade is the ability to solve problems and to explain the solutions to others. Having once determined what the right questions are, solving problems involves analyzing both concrete and abstract situations, relating them to mathematical ideas and using mathematical techniques to work toward solutions. Explaining the solution involves pointing out what has been solved and why the solution is valid.

CAREER OPPORTUNITIES

Majors in mathematics (BS) prepare for a wide variety of careers. Some enter graduate school or professional schools and prepare for careers in such fields as college teaching, consulting, research and development, law, medicine, and business administration. Others take positions in government agencies, industrial laboratories, information management firms, or business organizations. All of them spend much time communicating with colleagues about the problems they are solving as they continue to learn more mathematics and share mathematical ideas with others.

GENERAL INFORMATION

Students are encouraged to apply to BYU Marriott at the end of their sophomore year, as soon as they have completed the prerequisite courses. For more information about the marketing program, visit

<https://marriottschool.byu.edu/mktg/>

INTERNSHIP COORDINATOR

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MAP DISCLAIMER

While every reasonable effort is made to ensure accuracy, there are some student populations that could have exceptions to listed requirements. Please refer to the university catalog and your college advisement center/department for complete guidelines.

DEPARTMENT INFORMATION**FACULTY ADVISOR**

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ADVISEMENT CENTER INFORMATION

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