

Department of Mathematical Sciences

Mission

The mission of the Mathematical Sciences Department are to provide opportunities for students to develop functional competence in mathematics; an appreciation for the contributions of mathematics to science, engineering, business, economics, and the social sciences; and the power of critical thinking. The Department strives to prepare students to pursue graduate study and for careers in teaching, government, and industry.

The Department aims to provide the student with a course of study directed toward an understanding of mathematical theory and its relation to other fields of study. This study includes an emphasis on precision of definition, reasoning to precise conclusions, and an analysis and solution of problems using mathematical principles.

Students who select a major in the Department must complete the general education program which is required of all students.

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Curriculum Options for Majors

MATHEMATICS:

The requirements for a major in Mathematics are: MTSC 191,192, 213, 251, 252, 253, 313, 317 or 319, 341, 351, 411, 451, 452, 461, 491, 498, and two Mathematics Elective course can be selected from MTSC-300 or higher level courses, except MTSC-402 & 403. These courses include MTSC 317(S/E) or 319(S/O), 412(S), 431(F), 454(F), 471(S), or 499, and could occur in the Fall or Spring semester of the Senior year.

MATHEMATICS EDUCATION:

The requirements for a teaching major in Mathematics are: MTSC 191,192, 203, 213, 241, 251, 252, 253, 313, 341, 402, 403, 411, 491, and one Mathematics Elective course can be selected from MTSC-300 or higher level courses. Students must take and pass PRAXIS Core and apply for admission to the TEP prior to the start of their junior year. Students must pass PRAXIS II prior to student teaching.

OPTION FOR MINORS

To provide an opportunity for students to obtain a minor concentration in mathematics, the Department of Mathematical Sciences offers the following option:

Minor in Mathematics:

Twenty-one (21) hours distributed as follows: Mathematics 251, 252, 253; and nine (9) additional hours selected from Mathematics courses at the 300 level or higher, excluding 403.

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Links

[1] <http://www.desu.edu/mathematics-program-information-request-form>

[2] <http://www.desu.edu/cmnst>