Department of Mathematical Sciences

Overview

The objectives 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. Request more information [1]

Curriculum Options for Majors

MATHEMATICS:

The requirements for a major in Mathematics are: Mathematics 191,192, 213, 214, 251, 252, 253, 313, 341, 351, 411, 451, and 498; One of 412, 452; Physics 201 and 202; and a minimum of six (6) hours selected from Mathematics courses numbered 300 or higher, excluding 403. With departmental approval, three hours may be submitted from Physics 311-312 and 404.

MATHEMATICS WITH COMPUTER SCIENCE:

The requirements for a major in Mathematics with Computer Science are: Mathematics 191,192, 213, 214, 251, 252, 253, 313, 341, 351, 431 and 498; Physics 201, 202; Computer Science 240, 261, 262, 360, 461 and 495; and a minimum of twelve (12) hours selected from Mathematics courses numbered 300 or higher, excluding 403.

MATHEMATICS EDUCATION:

The requirements for a teaching major in Mathematics are: Mathematics 191,192, 203, 213, 241, 251, 252, 253, 313, 341, 403, 411 and 491; Education 204, 313, 318, 322, 357, and 412; Physics 201 and 202; Psychology 201; and Computer Science 261. Students must take and pass **PRAXIS I** and apply for admission to the **TPE** 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