

# explore majors with OAAS!

The Office for Academic Advising Support  
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## Major: Mathematical Sciences, BA & BS

**Mathematics is the study of numbers, shapes, and patterns therein. A math major learns the deep theory of mathematics along with its usefulness in modeling real-world problems.**

### ***What skills do students develop in this program?***

Math students cultivate robust problem-solving skills in the math curriculum, with an emphasis on persistence, logical reasoning, and clear communication of complex ideas.

### ***What kind of student is a good fit for Mathematical Sciences?***

The mathematics major can appeal to a variety of students: those who like solving puzzles, those who find beauty in patterns and symmetry, those who value creative problem-solving, and those who don't back down from an intellectual challenge.

### ***Are there any popular classes in the program that you would suggest or recommended classes for a student who is just starting to explore the major?***

- MAT 215: Introduction to Mathematical Reasoning. This is a seminar-style course that introduces students to how math is viewed by professional mathematicians.

### ***What are examples of internships and/or research opportunities that students in this major are currently working on or have access to as majors in this program?***

About a dozen students per year participate in math research at some level. Mostly these are projects with DePaul faculty, but also through summer Research Experiences for Undergraduates opportunities at other universities.

### ***What are students doing after graduation?***

Math majors often continue their education by pursuing a master's degree or doctoral degree. Others enter the workforce in data analysis positions or research positions in various professional fields, such as software development, banking, or actuarial science. Still others gain their teaching credentials and go on to teach mathematics at the high school level.

### ***Other interesting facts about the Mathematical Sciences major?***

The math department is a very friendly place with an active Math Club!