



## What can I do with my Major?

# SECONDARY EDUCATION: MATHEMATICS

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### SAMPLE JOB TITLES

Visit [O\\*Net](#) and conduct an *Occupation Quick Search* of each job title to learn more about that career path.

[Secondary School Teacher](#)  
[Education Administrator](#)  
[Middle School Teacher](#)  
[Mathematics Teacher, Postsecondary](#)  
[Geometry Teacher](#)  
[Mathematician](#)  
[Algebra Teacher](#)  
[Calculus Teacher](#)

### UCONN RESOURCES

[Integrated Bachelor's/Master's Teacher Education Program](#)  
[Teacher Education Student Association](#)  
[NEAG Graduate Student Association](#)

### OTHER RESOURCES

[National Council of Teachers of Mathematics](#)  
[The National Education Association](#)  
[International Baccalaureate Organization](#)

### OVERVIEW OF MAJOR

There are several options available for a student wishing to teach in a middle school or high school environment. These options include becoming a mathematics, English, history and social studies, natural sciences, or foreign language teacher. Focusing on a Secondary Education major with a concentration in any of these areas provides graduates with the skills necessary to teach secondary education. Teachers in a secondary education institution typically teach one or more of these subjects. All Secondary Education majors are required to complete not only Education requirements but also a subject area major and courses in educational philosophy that will result in a Master of Arts in Education.

Students majoring in Mathematics Education are preparing themselves to teach algebra, geometry, calculus, trigonometry, and general mathematics.

### NATURE OF WORK

Secondary teachers teach grades seven through twelve. Teachers instruct students in a variety of ways, from lecturing to demonstrating to hands-on learning. Teachers prepare, administer, and grade tests, homework, and class work. They must provide discipline in the classroom, keep inventory, and select and order books, supplies, and classroom materials. Teachers also work with computers, projectors, videos, and other aids to help teach lessons. They must meet with parents, evaluate students' performances, and attend faculty meetings and teacher training courses. Also, teachers often must work with children from different social, economic, and racial backgrounds

