

# Mathematics

**Mathematical Sciences** include the disciplines of pure mathematics, applied mathematics and statistics. Mathematicians and statisticians use representations of abstract ideas and relationships to solve problems, in order to arrive at a general understanding of how these representations work, as well as how they could be applied. Mathematical sciences majors learn complex analytical and problem-solving skills while exploring a range of mathematical topics and problems.

## **Bachelor of Arts (BA) and Bachelor of Science (BS) degrees offered. What's the difference?**

The BA is ideal for students who are strong in mathematics, including students who are interested in pursuing a double major with mathematics as one of the areas of study. The BS requires additional advanced mathematics courses and coursework in another scientific or quantitative discipline and is ideal for students planning for graduate studies in mathematics or related disciplines.

### **Two (2) Tracks Offered:**

**Mathematics** — Students who plan to pursue graduate study in mathematics, a career in applied mathematics, or who seek to become secondary mathematics teachers should choose mathematics.

**Statistics / Actuarial Sciences** — Students who are primarily interested in careers or graduate study in statistics or actuarial sciences should choose the statistics/actuarial sciences.

## **Examples of our unique degree possibilities**



**BS, minor in Biological Sciences w/ a certificate in Pre-Medicine**



**BA, minor in Organizational Leadership w/ a certificate in Student Leadership**

### **Popular Minors**

- Chemistry
- Environmental Analysis & Policy
- Physics

### **Popular Certificates**

- Computational Science
- Nonprofit & Community Leadership
- Security Studies

### **Special Opportunity for Mathematics majors**

**4+1 Bachelors and Masters degrees** earn both degrees in just 5 years

### **Career Possibilities**

Statistician; Forecaster; Financial analyst; Actuarial scientist; Secondary mathematics teacher; University instructor or researcher

### **Cool Classes**

Calculus; Statistics; Linear Algebra & Abstract Math; Scientific Discipline



## **Ayumi Mutoh**

**Major:** Mathematics

**Minor:** Computer Science

**Distinctions:** UC Global Scholarship, International Outreach Award, Eleanor Hicks Award

*"I am an international transfer student at UC and am glad to be a part of the College of Arts & Sciences due to the wide variety of majors and opportunities that it has to offer. I chose to major in math because I want to solve real world problems with numbers. My experience in A&S has improved my self-awareness and I now realize what I can do and what I want to do. The College has given me a well-rounded education. Thanks to the required general education classes, I have gained knowledge outside of my major. Upon graduation, I would like to continue my education and pursue a Master's degree. I believe further education will give me a wide range of opportunities and skills to solve many kinds of problems as an analyst."*

## **Ready to Begin?**

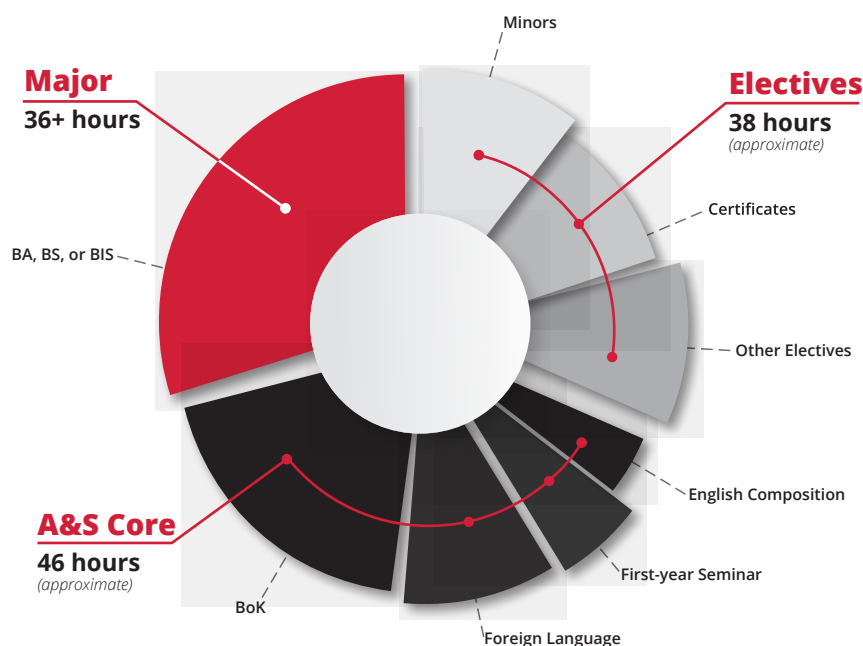
For more information about this program please contact:

Your A&S Recruitment Team at  
[artsci@ucmail.uc.edu](mailto:artsci@ucmail.uc.edu)

**Visit us online:**  
[artsci.uc.edu](http://artsci.uc.edu)

## A degree program as unique as you are.

You can choose among **41 majors**, **28 minors**, and **55 certificates** in order to design your own degree program. Our core curriculum helps you acquire the skills employers desire, including critical thinking, problem-solving, writing, and communication.



## A&S Undergraduate Student Profile (2019)

**7,762 undergraduate students**

Incoming first-year (Fall 2019)

**ACT: 24.3** (average)

**GPA: 3.49** (average)



## A&S Demographics

**84.3%**  
In-State

**11.9%**  
Out-of-State

**3.8%**  
International

**First-Generation**  
30% (2018 incoming class)

**Multicultural**  
29.5%

**Under Represented Minority**  
19.3%



## Experiential Learning

**1,878 students** participated in service learning

**408 students** participated in internships and co-ops

**356 students** participated in study abroad trips

**1,205 students** completed undergraduate research



**Scholarship Dollars**  
Awarded **\$1,511,736**



## Top 5 majors

Biology  
Exploratory Studies  
Communication  
Psychology  
Neuroscience

**Schedule a Visit**  
[uc.edu/visit](http://uc.edu/visit)

**Apply Now!**  
[admissions.uc.edu/apply](http://admissions.uc.edu/apply)

## Application Deadlines

**December 1 — Early Action** (non-binding)

First-year students who wish to be considered for **scholarships** and the **honors program** must complete their application by December 1.

## Semester Deadlines

**Fall Semester:** First-years — **March 1** Transfers — **July 1**

**Spring Semester:** First-years and Transfers — **November 1**

**Summer Semester:** First-years and Transfers — **March 1**

## Admissions Criteria

We evaluate you from a holistic point of view. Some criteria include:

- College Prep Classes
- ACT or SAT scores
- Class Rank
- GPA
- Extra-Curricular Activities

## Contact Us

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