

# Liberal Arts and Sciences MATHEMATICS AS



## MATHEMATICS AT CAYUGA

Mathematicians are always in high demand and a bachelor's or master's degree in mathematics is one of the most universally marketable degrees. The Mathematics degree program at Cayuga is primarily designed for students planning to continue their studies in a four-year degree program in either theoretical or applied mathematics.

A broad-based background in mathematics is excellent preparation for continued study in computer science, statistics, chemistry, physics, engineering, and other fields that use computer modeling.

## Faculty Mentors

With small classes, faculty have the opportunity to mentor students and to provide learning experiences that form a strong foundation in mathematics.

## Seamless Transfer

Cayuga has transfer agreements with:

SUNY Binghamton  
SUNY Empire State College  
SUNY Polytech  
St. John Fisher College  
Wells College

## Career Possibilities

- Mathematician
- Statistician
- Actuaries
- Operations Research Analyst
- Biochemist
- Economist
- Budget Analyst
- Accounting
- Engineering

## Mathematicians and Statisticians

2021 Median Salary

# \$96,280/yr

United States Department of Labor

<https://www.bls.gov/ooh/math/mathematicians-and-statisticians.htm>



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Courses	Credit Hours
<b>First Semester</b>	
ENGL 101 Freshman English I	3
MATH 108 Calculus I	4
MATH 214 Statistics	3
Science*	4
Physical Education	1
	<b>15</b>
<b>Second Semester</b>	
ENGL 102 Freshman English II	3
MATH 201 Calculus II	4
MATH 203 Linear Algebra	3
Science*	4
Health	1
Physical Education	1
	<b>16</b>
<b>Third Semester</b>	
ENGL 221 Effective Speech: Public Address	
or	
ENGL 222 Effective Speech: Group Discussion	3
MATH 202 Calculus III	4
CS 222 Programming in C/C++	3
HIST 101 Western Civilization I	
or	
HIST 102 Western Civilization II	
or	
HIST 103 Pre-History and Early American History	
or	
HIST 104 19th Century American History	
or	
HIST 105 America in the 20th and 21st Centuries	3
MATH 212 Discrete Mathematics	3
	<b>16</b>
<b>Fourth Semester</b>	
ENGL 201 World Literature I	
or	
ENGL 202 World Literature II	3
MATH 204 Differential Equations	4
Behavioral/Social Sciences**	6
Elective	3-4
	<b>16-17</b>
<b>TOTAL CREDIT HOURS</b>	<b>63-64</b>

\* Must be a sequence of one of the following:  
 BIOL 103-104 or BIOL 225-226  
 CHEM 103-104  
 PHYS 103-104 or PHYS 200-201  
 GEOL 110-111

\*\* At least 3 credit hours in one of the following: ANTH 101, ECON 201, ECON 202, PSY 101, or SOC 101

The Mathematics faculty at Cayuga is committed to explaining concepts and how they relate to each other before demonstrating their applications. This philosophy helped our students achieve a deeper understanding of mathematics and how it relates to the real world. Small classes encourage students to openly interact with their classmates and instructors.



### Contact us for more information

#### ADMISSIONS OFFICE

admissions@cayuga-cc.edu  
 www.cayuga-cc.edu/admissions  
 1-866-598-8883

#### AUBURN CAMPUS

197 Franklin Street, Auburn NY 13021

#### FULTON CAMPUS

11 River Glen Drive, Fulton NY 13069

