The courses that satisfy the general education requirement in the mathematical sciences present broadly applicable techniques for formulating, analyzing, and solving problems, and for evaluating proposed solutions. Options to complete this requirement include some Computer Science, Statistics, and Mathematics offerings, including calculus.

Students may select from the following lists of courses.

**NON-CALCULUS COURSES**

All non-calculus options may be taken individually or, when available, as a sequence. These courses may also be combined to fulfill 200 units of general education requirements (i.e., MATH 11200 and STAT 20000). Students who satisfy the requirement with something other than calculus will take 100 or 200 units of approved non-calculus course work. If only 100 units are used for the mathematical sciences requirement, an additional 100 units will be taken in either the physical or biological sciences categories (for a total of 300 units).

### CMSC 11000
Multimedia Programming as an Interdisciplinary Art I 100
### CMSC 11111
Creative Coding 100
### CMSC 12100-12200
Computer Science with Applications I-II * 200
### CMSC 14100
Introduction to Computer Science I 100
### CMSC 14200
Introduction to Computer Science II 100
### CMSC 14300
Systems Programming I 100
### CMSC 14400
Systems Programming II 100
### CMSC 15100-15200
Introduction to Computer Science I-II * 200
### CMSC 16100-16200
Honors Introduction to Computer Science I-II * 200
### DATA 11800
Introduction to Data Science I 100
### MATH 11200-11300
Studies in Mathematics I-II 200
One of the following courses:  100
### STAT 20000
Elementary Statistics
### STAT 20010
Elementary Statistics Through Case Study
### STAT 22000
Statistical Methods and Applications

* Credit may be granted by examination.

### CALCULUS SEQUENCES

Students must meet the mathematical sciences requirement with the first two quarters of a calculus sequence if they are preparing for the health professions or if they anticipate majors in the Physical or Biological Sciences, Economics, Psychology, or Public Policy Studies. Other restrictions may apply. Students should consult their College adviser or departmental counselor about course choices. Those who take calculus must earn credit for the first two quarters of a calculus sequence (200 units).

Further information regarding calculus credit and placement can be found on the Examination Credit (http://collegen catal og.uchicago.edu/thecollege/examinationcreditandtransfercredit/) page.

### MATH 13100-13200
Elementary Functions and Calculus I-II 200
### MATH 15100-15200
Calculus I-II * 200
### MATH 16110-16210
Honors Calculus I-II (IBL) 200
### MATH 16100-16200
Honors Calculus I-II 200

* Credit may be granted by examination.