

MATHEMATICS

Associate of Science Degree

Science, Technology, Engineering & Math Pathway
 CCD.edu/Math

Mathematics Transfer Major

The Associate of Science degree with a designation in mathematics is a two-year program designed for you to graduate and transfer to a four-year institution to complete a bachelor's degree in mathematics. You will explore calculus and computer/engineering applications. Mathematics is more than the study of counting and measurement, it includes the study of shapes and motion. Mathematicians look for patterns and use them to design new theories, new models and even predictions about nature. Career paths in mathematics include finance, engineering, computer science, coding, accounting, statistics and research.

COURSE MAP

Course	Title	Credits
First Semester		
SOC 1002	Introduction to Sociology II: GT-SS3	3
MAT 2410	Calculus I: GT-MA1 ²	5
ENG 1021	English Composition I: GT-CO1 ¹	3
Choose One Communication Course		3
COM 1150	Public Speaking	
COM 1250	Interpersonal Communication: GT-SS3	
Subtotal		14
Second Semester		
MAT 2420	Calculus II: GT-MA1	5
ENG 1022	English Composition II: GT-CO2	3
Choose One History Course (GT-HI1)		3
HIS 2005	Women in World History: GT-HI1	
HIS 2015	20th Century World History: GT-HI1	
HIS 2135	Colorado History: GT-HI1	
HIS 1320	Western Civilization: 1650-Present: GT-HI1	
HIS 2610	History of Modern China: GT-HI1	
HIS 2300	The Middle Ages: GT-HI1	
Choose One Arts & Humanities Course (GTAH1~GT-AH4)		3
MUS 1020	Music Appreciation: GT-AH1	
HUM 1015	World Mythology: GT-AH2	
PHI 1011	Intro to Philosophy: GT-AH3	
PHI 1013	Logic: GT-AH3	
PHI 2020	Philosophy of Death and Dying: GT-AH3	
ART 1110	Art Appreciation: GT-AH1	
Subtotal		14
Third Semester		
MAT 2431	Calculus III with Engineer Applications: GT-MA1	5
PHY 2111	Physics Calculus Based I with Lab: GT-SC1	5
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
MUS 1020	Music Appreciation: GT-AH1	
HUM 1015	World Mythology: GT-AH2	
PHI 1011	Intro to Philosophy: GT-AH3	
PHI 1013	Logic: GT-AH3	
PHI 2020	Philosophy of Death and Dying: GT-AH3	
ART 1110	Art Appreciation: GT-AH1	
Choose One Social & Behavioral Sciences Course (GT-SS1~GT-SS3)		3
ANT 1001	Cultural Anthropology: GT-SS3	
ECO 2001	Principles of Macroeconomics: GT-SS1	
ECO 2002	Principles of Microeconomics: GT-SS1	
PSY 1001	General Psychology I: GT-SS3	
PSY 2552	Abnormal Psychology: GT-SS3	
PSY 2222	Psychology of Death and Dying: GT-SS3	
Subtotal		16
Fourth Semester		
CSC 1060	Computer Science I: (Language) ³	4

PHY 2112	Physics Calculus-Based II with Lab: GT-SC1	5
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
MUS 1020	Music Appreciation: GT-AH1	
HUM 1015	World Mythology: GT-AH2	
PHI 1011	Intro to Philosophy: GT-AH3	
PHI 1013	Logic: GT-AH3	
PHI 2020	Philosophy of Death and Dying: GT-AH3	
ART 1110	Art Appreciation: GT-AH1	
Choose One Elective		4
ANT 1005	Biological Anthropology with Lab: GT-SC1	
ENV 1111	Environmental Science with Lab: GT-SC1	
BIO 1005	Science of Biology with Lab: GT-SC1	
Subtotal		16
Total Credits		60

- Students can take ENG 1022 and an additional GT-CO3 course instead of ENG 1021 and ENG 1022.
- Requires prerequisite coursework: MAT 1340 and MAT 1420; see an academic advisor for specific information.
- Colorado State University (CSU) requires a different Computer Science course. If you are planning to transfer to CSU please contact them for further information.

NOTE: The faculty at Community College of Denver have chosen course elective options for this program of study based on the skills students will need to be successful in this discipline. However, for a complete list of available course options, please go to the Colorado Department of Higher Education Transfer Degree Agreement for this program.