



# MATHEMATICS, A.S. (Transfer Major)

## COURSES THAT FULFILL GENERAL EDUCATION REQUIREMENTS

CONTENT AREA	COURSE NUMBER AND COURSE TITLE	TOTAL CREDITS
ENGLISH & COMMUNICATION	ENG 1021: ENGLISH COMPOSITION I (REQUIRED) ENG 1022: ENGLISH COMPOSITION II (REQUIRED)	6
MATHEMATICS	MAT 2410: CALCULUS I (REQUIRED)	5
ARTS & HUMANITIES (SELECT THREE)	PHI 1013: LOGIC PHI 2018: ENVIRONMENTAL ETHICS HUM 1015: WORLD MYTHOLOGY HUM 1023: THE MODERN WORLD LIT 1015: INTRODUCTION TO LITERATURE LIT 2005: RACE, ETHNICITY, AND CULTURE IN U.S. LITERATURE	9
HISTORY (SELECT ONE)	HIS 2200: HISTORY OF LATIN AMERICA HIS 2015: 20TH CENTURY WORLD HISTORY HIS 1220: US HISTORY SINCE CIVIL WAR	3
SOCIAL & BEHAVIORAL SCIENCES (SELECT TWO)	POS 2020: INTERNATIONAL RELATIONS GEO 1006: HUMAN GEOGRAPHY PSY 1001: GENERAL PSYCHOLOGY I PSY 1002: GENERAL PSYCHOLOGY II WST 2000: INTRODUCTION TO WOMEN'S STUDIES ETH 2000: INTRODUCTION TO ETHNIC STUDIES	6
NATURAL & PHYSICAL SCIENCES	PHY 2111: PHYSICS: CALCULUS BASED I WITH LAB (REQUIRED) PHY 2112 PHYSICS: CALCULUS BASED II WITH LAB (REQUIRED)	10
GENERAL EDUCATION CREDITS		39

## ADDITIONAL REQUIRED COURSES FOR (MATHEMATICS)

CONTENT AREA	COURSE NUMBER AND COURSE TITLE	TOTAL CREDITS
COMMUNICATIONS	COM 1150: PUBLIC SPEAKING (REQUIRED) OR COM 1250: INTERPERSONAL COMMUNICATION (REQUIRED)	3
MATHEMATICS	MAT 2420: CALCULUS II (REQUIRED) MAT 2430: CALCULUS III OR MAT 2431: CALCULUS III W/ENGINEERING APPLICATIONS (REQUIRED – SELECT ONE)	9-10
COMPUTER SCIENCE	CSC 1060: COMPUTER SCIENCE I: JAVA (REQUIRED) CSU-Ft Collins requires a different computer science course than the community college course. Seek advising at CSU-Ft Collins for information on the appropriate computer science course to take.	4
ADDITIONAL PROGRAM CREDITS		16 - 17

## ELECTIVE COURSES

COURSE NUMBER AND COURSE TITLE	TOTAL CREDITS	
MAT 2561: DIFFERENTIAL EQUATIONS WITH ENGINEERING APPLICATIONS MAT 2565: DIFFERENTIAL EQUATIONS MAT 2562: DIFFERENTIAL EQUATIONS WITH LINEAR ALGEBRA CSC 1019: INTRODUCTION TO PROGRAMMING	4-5	
TOTAL CREDIT HOURS		60



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## Recommended order of courses<sup>1</sup>

(The department recommends taking the courses in this order to complete the degree.)

FOR COURSES THAT ARE NOT REQUIRED: If you cannot register for the course on this map or want to take one that is not listed, please talk to your pathway advisor.)

SEMESTER 1	CREDITS
<b>ENG 1021: English Composition I (REQUIRED)</b>	3
<b>MAT 2410: Calculus I (REQUIRED)</b>	5
HIS 2200: History of Latin America OR HIS 2015: 20TH Century World History OR HIS 1220: US History Since Civil War	3
PHI 1013: Logic OR PHI 2018: Environmental Ethics OR HUM 1023: The Modern World OR HUM 1015: World Mythology OR LIT 1015: Introduction to Literature OR LIT 2005: Race, Ethnicity, and Culture in U.S. Literature	3
SEMESTER CREDITS	14
SEMESTER 2	CREDITS
<b>MAT 2420: Calculus II (REQUIRED)</b>	5
<b>ENG 1022: English Composition II (REQUIRED)</b>	3
Elective (Recommend: CSC 1019: Introduction To Programming)	3
PHI 1013: Logic OR PHI 2018: Environmental Ethics OR HUM 1023: The Modern World OR HUM 1015: World Mythology OR LIT 1015: Introduction to Literature OR LIT 2005: Race, Ethnicity, and Culture in U.S. Literature	3
POS 2005: International Relations OR GEO 1006: Human Geography OR PSY 1001: General Psychology I OR PSY 1002: General Psychology II OR WST 2000: Introduction to Women's Studies OR ETH 2000: Introduction to Ethnic Studies	3
SEMESTER CREDITS	17
SEMESTER 3	CREDITS
<b>COM 1150: Public Speaking OR COM 1250: Interpersonal Communication (REQUIRED – SELECT ONE)</b>	3
<b>PHY 2111: Calculus Based Physics I (REQUIRED)</b>	5
<b>CSC 1060 : Computer Science I: Java (REQUIRED)</b>	4
PHI 1013: Logic OR PHI 2018: Environmental Ethics OR HUM 1023: The Modern World OR HUM 1015: World Mythology OR LIT 1015: Introduction to Literature OR LIT 2005: Race, Ethnicity, and Culture in U.S. Literature	3
SEMESTER CREDITS	15
SEMESTER 4	CREDITS
<b>MAT 2430: Calculus III OR MAT 2431: Calculus III W/Engineering Applications (REQUIRED – SELECT ONE)</b>	4-5
<b>PHY 2112: Calculus Based Physics II (REQUIRED)</b>	5
POS 2005: International Relations OR GEO 1006: Human Geography OR PSY 1001: General Psychology I OR PSY 1002: General Psychology II OR WST 2000: Introduction to Women's Studies OR ETH 2000: Introduction to Ethnic Studies	3
Elective: see Pathway Advisor	1-2
SEMESTER CREDITS	14

For additional information contact your [Pathways Advisor](#)

[www.ccaurora.edu/getting-started/pathways-advising](http://www.ccaurora.edu/getting-started/pathways-advising)

CATALOG: 2022-2023

