



# BIOLOGY, A.S. (Transfer Major)

## COURSES THAT FULFILL GENERAL EDUCATION REQUIREMENTS (Courses printed in dark text are required.)

CONTENT AREA	COURSE NUMBER AND COURSE TITLE	TOTAL CREDITS
ENGLISH & COMMUNICATION	<b>ENG 1021: ENGLISH COMPOSITION I (REQUIRED)</b> <b>ENG 1022: ENGLISH COMPOSITION II (REQUIRED)</b>	6
MATHEMATICS	<b>MAT 2410: CALCULUS I (REQUIRED)</b>	5
ARTS & HUMANITIES (SELECT TWO)	ART 1110: ART APPRECIATION HUM 1022: MEDIEVAL-MODERN MUS 1020: MUSIC APPRECIATION PHI 1012: ETHICS	6
HISTORY (SELECT ONE)	HIS 1220: U.S. HISTORY SINCE CIVIL WAR HIS 2200: HISTORY OF LATIN AMERICA HIS 2015: 20 <sup>th</sup> CENTURY WORLD HISTORY	3
SOCIAL & BEHAVIORAL SCIENCES	PSY 1001: GENERAL PSYCHOLOGY PSY 2440: HUMAN GROWTH AND DEVELOPMENT	6
NATURAL & PHYSICAL SCIENCES	<b>BIO 1111: GENERAL COLLEGE BIOLOGY I WITH LAB (REQUIRED) CHE 1111: GENERAL COLLEGE CHEMISTRY I WITH LAB (REQUIRED)</b>	10
GENERAL EDUCATION CREDITS		36

## ADDITIONAL REQUIRED COURSES FOR BIOLOGY, A.S.

CONTENT AREA	COURSE NUMBER AND COURSE TITLE	TOTAL CREDITS
NATURAL & PHYSICAL SCIENCES	<b>BIO 1112: GENERAL COLLEGE BIOLOGY II WITH LAB (REQUIRED)</b>	5
NATURAL & PHYSICAL SCIENCES	<b>CHE 1112: GENERAL COLLEGE CHEMISTRY II WITH LAB (REQUIRED)</b>	5
NATURAL & PHYSICAL SCIENCES	<b>PHY 1111: PHYSICS: ALGEBRA BASED I WITH LAB (FALL ONLY) (REQUIRED)</b>	5
NATURAL & PHYSICAL SCIENCES	<b>PHY 1112: PHYSICS: ALGEBRA BASED II WITH LAB (SPRING ONLY) (REQUIRED)</b>	5
ADDITIONAL PROGRAM CREDITS		20

## ELECTIVE COURSES

COURSE NUMBER AND COURSE TITLE	TOTAL CREDITS
Mat 1440: Pre-Calculus (5 credits) Students that are not required to take MAT1440 prior to taking MAT2410 may take any 4 credit GT Pathways elective instead to meet the 60-credit degree requirement.	4-5
<b>TOTAL CREDIT HOURS 60-61</b>	



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## Recommended order of courses

(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
ENG 1021: English Composition I (REQUIRED)	3
BIO 1111: General College Biology I with Lab (REQUIRED)	5
MAT 1440: Pre-Calculus <sup>2</sup>	5
PSY 1001: General Psychology	3
SEMESTER CREDITS	16
SEMESTER 2	CREDITS
BIO 1112: General College Biology II with Lab (REQUIRED)	5
ENG 1022: English Composition II (REQUIRED)	3
MAT 2410: Calculus I (REQUIRED)	5
HIS 1220: U.S. History Since Civil War OR HIS 2200: History of Latin America OR HIS 2015: 20 <sup>th</sup> Century World History	3
SEMESTER CREDITS	16
SEMESTER 3	CREDITS
CHE 1111: General College Chemistry I With Lab (REQUIRED)	5
PHY 1111: Physics: Algebra Based I With Lab (FALL ONLY) (REQUIRED)	5
PSY 2440: Human Growth And Development	3
ART 1110: Art Appreciation OR HUM 1022: Medieval-Modern OR MUS 1020: Music Appreciation OR PHI 1012: Ethics	3
SEMESTER CREDITS	16
SEMESTER 4	CREDITS
CHE 1112: General College Chemistry II With Lab (REQUIRED)	5
PHY 1112: Physics: Algebra Based II With Lab (SPRING ONLY) (REQUIRED)	5
ART 1110: Art Appreciation OR HUM 1022: Medieval-Modern OR MUS 1020: Music Appreciation OR PHI 1012: Ethics	3
SEMESTER CREDITS	13

<sup>1</sup>Placement into courses is dependent on test scores or credit for prior learning. See a Pathways Advisor for details. Plans that include ESL, CCR, and AAA courses will increase the total number of hours to completion.

<sup>2</sup>Students that are not required to take MAT1440 prior to taking MAT2410 may take any 4-credit GT Pathways elective. See a Pathway Advisor for details.

Students are strongly encouraged to seek academic advising prior to registration regarding the acceptability of online science courses if they anticipate transferring to a 4-year institution or completing graduate work in the sciences or health professions. It should be noted that per Colorado Revised Statute, §23-1-125(1)(e), general education courses taken online are guaranteed to satisfy core course (GT Pathways) requirements at all Colorado public institutions of higher education. For additional transfer information visit Colorado Department of Higher Education [here](#).