

BIOLOGY

Associate of Science Degree

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

Biology Transfer Major

The Associate of Science degree with a designation in biology is a two-year program designed for you to graduate and transfer to a four-year institution to complete a Bachelor of Science in biology. In this program, you will explore physics, chemistry and biology and will learn that biology is the study of life and living beings, including their types, growth, structure, evolution, including where and how they live. Modern biology is very broad and it has many smaller areas, including the study of animals, plants, cells, genes, and other life science topics. Career paths for biology degree holders include pre-medicine, pre-pharmacy, pre-veterinary, physical therapy, dentistry and many other scientific fields.

COURSE MAP

Course	Title	Credits
First Semester		
BIO 1111	General College Biology I with Lab: GT-SC1	5
ENG 1021	English Composition I: GT-CO1 ¹	3
PSY 1001	General Psychology I: GT-SS3	3
MAT 1340	College Algebra: GT-MA1	4
Subtotal		15
Second Semester		
ENG 1022	English Composition II: GT-CO2 ¹	3
CHE 1111	General College Chemistry I with Lab: GT-SC1	5
BIO 1112	Gen College Biology II with Lab: GT-SC1	5
Subtotal		13
Third Semester		
PHY 1111	Physics Algebra-Based I with Lab: GT-SC1	5
CHE 1112	General College Chemistry II with Lab: GT-SC1	5
Choose One Arts & Humanities Course (GT-AH1~GT-AH4)		3
ART 1110	Art Appreciation: GT-AH1	
SPA 2011	Spanish Language III: GT-AH4	
HUM 1015	World Mythology: GT-AH2	
LIT 2005	Race, Ethnicity, and Culture in U.S. Literature: GT-AH2	
PHI 1012	Ethics: GT-AH3	
PHI 2018	Environmental Ethics: GT-AH3	
Choose One Social & Behavioral Science Course (GT-SS1~GT-SS3)		3
GEO 1005	World Regional Geography: GT-SS2	
PSY 1001	General Psychology I: GT-SS3	
SOC 1001	Introduction to Sociology I: GT-SS3	
PSC 2020	Intro to Political Science: GT-SS1	
CRJ 1010	Introduction to Criminal Justice: GT-SS3	
JOU 1005	Introduction to Mass Media: GT-SS3	
Subtotal		16
Fourth Semester		
PHY 1112	Physics Algebra-Based II with Lab: GT-SC1	5
Choose One History Course (GT-HI1)		3
HIS 1310	Western Civilization: Antiquity-1650: GT-HI1	
HIS 1320	Western Civilization: 1650-Present: GT-HI1	
HIS 1110	The World: Antiquity-1500: GT-HI1	
HIS 1120	The World: 1500-Present: GT-HI1	
HIS 1210	U.S. History to Reconstruction: GT-HI1	
HIS 1220	U.S. History Since the Civil War: GT-HI1	
Choose One Arts & Humanities Course (GTAH1~GT-AH4)		3
SPA 2012	Spanish Language IV: GT-AH4	
MUS 1020	Music Appreciation: GT-AH1	
HUM 1015	World Mythology: GT-AH2	
PHI 1013	Logic: GT-AH3	
PHI 1012	Ethics: GT-AH3	
PHI 2018	Environmental Ethics: GT-AH3	

Choose One Elective	5
BIO 2120	General Zoology with Lab: GT-SC1
MAT 1440	Pre-Calculus: GT-MA1
Subtotal	16
Total Credits	60

¹ Students can take ENG 1022 and an additional GT-CO3 course instead of ENG 1021 and ENG 1022.

² Requires prerequisite coursework: MAT 1340 and MAT 1420; see your academic advisor for specific information.

NOTE: It should be noted that per Colorado law {C. R. S. §23-1-125(1)(e)}, general education courses taken online, including general education science courses, are guaranteed to transfer as core course (GT Pathways) requirements at all Colorado public institutions of higher education. If you plan on transferring to a four-year institution in the science or health professions, and want to take a science course online, please speak to your academic advisor about how to ensure that it does transfer.

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.

NOTE: if these credits are not required for the major at a receiving 4-year institution, they will be applied to the bachelor's degree as elective credit toward graduation. Please check with the receiving institution to determine in which way these courses will be applied - for all science courses except that BIO 1111, CHE 1111.

NOTE: 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.