

**General Information:**

1. Degree Policies and Procedures are in the Catalog at [www.CCAurora.edu](http://www.CCAurora.edu).
2. If you plan on transferring to another institution, contact an advisor before registering.
3. You must apply for graduation by mid-semester prior to your final term. See Semester of Classes for the exact deadline date.

**Program Info:**

Imagine...protecting people against disease. Restoring the environment. Improving the quality of life. How can I do this, you ask? Pursue a career in Biotechnology! Our biotech program places you in the forefront of scientific discovery. Whether you're looking to join the workforce and need specific skills as a biotechnology technician, or if you want to apply your coursework to a four-year degree in life science; CCA can help.

This degree is designed for students intending to transfer to a public college or university in Colorado; however, taking biotech courses may not work for all science majors, and prerequisite courses may be needed upon transfer. Discuss transfer with your advisor and the intended transfer institution early in your program.

**GENERAL EDUCATION REQUIREMENTS**

**Communication – (CO 1 & CO2 – 6 credits)**

**Take both courses:**

ENG 121 English Composition I	3 cr.
ENG 122 English Composition II	3 cr.

**Community College System Core Requirement – (3 credits)**

**Choose one course:**

COM 115 Public Speaking OR COM 125 Interpersonal Communication	3 cr.
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**Mathematics – (MA1 – 3-5 credits)**

**Choose one course:**

MAT 121 College Algebra	4 cr.
MAT 122 College Trigonometry	3 cr.
MAT 201 Calculus I	5 cr.
MAT 202 Calculus II	5 cr.

**Physical & Life Sciences – (SC1-10 credits)**

**Take both courses:**

BIO 111 General College Biology I	5 cr.
CHE 111 General College Chemistry I	5 cr.

**Social & Behavioral Sciences – 9 credits (Select at least one HIS course (GT-HI1) and one or two courses from at least one different category GT-SS1, GT-SS2, or GT-SS3)**

<b>History</b>	
HIS 101/102 Western Civilization I/II	3/3 cr.
HIS 111/112 World Civilization I/II	3/3 cr.
HIS 201/202 U.S. History I/II	3/3 cr.
HIS 247 Contemporary World History	3 cr.
<b>Economics, Political Science, Geography</b>	
ECO 101 Economics of Social Issues	3 cr.
ECO 201 Principles of Macroeconomics	3 cr.
ECO 202 Principles of Microeconomics	3 cr.
ECO 245 Environmental Economics	3 cr.
GEO 105 World Regional Geography	3 cr.
GEO 106 Human Geography	3 cr.
POS 105 Intro to Political Science	3 cr.
POS 111 American Government	3 cr.
POS 205 International Relations	3 cr.
POS 225 Comparative Government	3 cr.
<b>Anthropology, Psychology, Sociology</b>	
ANT 101 Cultural Anthropology	3 cr.
ANT 107 Introduction to Archaeology	3 cr.
ANT 111 Physical Anthropology	3 cr.
PSY 101/102 General Psychology I/II	3/3 cr.
PSY 205 Psychology of Gender	3 cr.
PSY 217 Human Sexuality	3 cr.
PSY 226 Social Psychology	3 cr.
PSY 227 Psychology of Death and Dying	3 cr.
PSY 235 Human Growth & Development	3 cr.
PSY 238 Child Development	3 cr.
PSY 249 Abnormal Psychology	3 cr.
SOC 101/102 Introduction to Sociology I/II	3/3 cr.
SOC 215 Contemporary Social Problems	3 cr.
SOC 216 Sociology of Gender	3 cr.
SOC 231 Sociology of Deviant Behavior	3 cr.

**Arts & Humanities – 9 credits (Select three courses with no more than 2 courses from any one of the following categories (GT-AH1, GT-AH2, GT-AH3 or GT-AH4))**

<b>Art, Music, Theatre:</b>	
ART 110 Art Appreciation	3 cr.
ART 111/112 Art History I/II	3/3 cr.
MUS 120 Music Appreciation	3 cr.
MUS 121/122 Music History I/II	3/3 cr.
THE 105 Introduction to Theatre	3 cr.
THE 211/212 Development of Theatre I/II	3/3 cr.
<b>Humanities/Literature</b>	
HUM 121/122/123 Humanities I/II/III	3/3/3 cr.
LIT 115 Intro to Literature	3 cr.
LIT 201/202 Masterpieces of Literature I/II	3/3 cr.
LIT 205 Ethnic Literature	3 cr.
LIT 211/212 Survey of American Literature I/II	3/3 cr.
LIT 221/222 Survey of British Literature I/II	3/3 cr.
LIT 225 Introduction to Shakespeare	3 cr.
<b>Philosophy</b>	
PHI 111 Introduction to Philosophy	3 cr.
PHI 112 Ethics	3 cr.
PHI 113 Logic	3 cr.
PHI 114 Comparative Religions	3 cr.
PHI 214 Philosophy of Religions	3 cr.
<b>Foreign Languages* (3<sup>rd</sup> semester only)</b>	<b>3 cr.</b>
FRE 211, FRE 212, GER 211, GER 212, JPN 211, JPN 212, RUS 211, RUS 212, SPA 211, SPA 212	
*Many CO 4-year institutions require foreign language for admission. Check with your college of transfer intent.	

**Biotechnology Requirements**

**Math/Science Electives – (21 credits)**

BIO 204 Microbiology	4 cr.
CHE 112 General College Chemistry II	5 cr.
BIO 269 Nucleic Acid Techniques	4 cr.
BIO 268 Cell Biology & Immunology	4 cr.
CHE 211L Organic Chemistry Lab	1 cr.
ENG 131 Technical Writing	3 cr.

**Associate of Science, Biotechnology Option**

**Total Required:**

**61 credits**

**Recommended Progression of Biotech requirements**

**1<sup>st</sup> semester:**

BIO 111 General College Biology I
ENG 131 Technical Writing

**2<sup>nd</sup> semester:**

CHE 111 General College Chemistry I
BIO 204 Microbiology

**3<sup>rd</sup> semester:**

CHE 112 General College Chemistry II
BIO 269 Nucleic Acid

**4<sup>th</sup> semester:**

CHE 211L* Organic Chemistry Lab
BIO 268 Cell Biology and Immunology

\* it is recommended that CHE 211 be taken along with CHE 211L