

## Biochemistry (BS)

This Associate of Science degree is designed for PCC students who want to transfer to UCCS and complete a Bachelor of Science degree with a major in Biochemistry. It is based on the [best academic advising choices](#) for future UCCS students.

To earn the Associate of Science Degree, students must complete the following course requirements for a total of 60 semester credit hours, at least 35 of which must be Colorado State-Guaranteed Courses. Courses taken at other colleges, AP, IB, CLEP, and other sources of credit may not be applicable upon transfer to UCCS even if applied to the associate's degree at PCC.

To transfer to UCCS, students should have a cumulative GPA of 2.4 or better, *including all remedial and repeated courses*. (Students with a transfer GPA between 2.0 and 2.39 will be considered for admission.) Each transfer course must have a grade of "C" or better.

Degree Requirements	Courses					
<b>Communication</b> (6 credit hours)	ENG 121	<i>Note: Students who test into ENG 122, should take ENG 201 as their second composition course.</i>				
	ENG 122					
<b>Mathematics</b> (5 credit hours)	<b>Category GT-MA1</b>					
	<b>MAT 201</b>					
<b>Arts &amp; Humanities/Social &amp; Behavioral Sciences</b> (15 credit hours)  1. Select two courses from two different GT-AH areas.	<b>Category GT-AH1</b>					
	ART 110	ART 111	ART 112	ART 207	MUS 120	MUS 122
	MUS 125	THE 105	THE 211	THE 212		
	<b>Category GT-AH2</b>					
	HUM 115	HUM 121	LIT 115	LIT 201	LIT 202	LIT 205
	LIT 211	LIT 212	LIT 246			
	<b>Category GT-AH3</b>					
	PHI 111	PHI 112	PHI 113	PHI 114	PHI 115	PHI 214
	PHI 218	PHI 220				
	<b>Category GT-AH4</b>					
	FRE 211	FRE 212	GER 211	GER212	ITA 211	ITA 212
	SPA 211	SPA 212				
	2. Select one GT-HI course. <b>Do not take more than one GT-HI course for the AS.</b>	<b>Category GT-HI1</b>				
HIS 101		HIS 102	HIS 111	HIS 112	HIS 121	HIS 122
HIS 225		HIS 244	HIS 247			
3. Select two courses from at least two different GT-SS areas. <b>ANT 101, GEO 105 or GEO 106 are preferred options to fulfill this requirement for UCCS students.</b>	<b>Category GT-SS1</b>					
	ECO 201	ECO 202	ECO 245	POS 105	POS 111	POS 125
	<b>Category GT-SS2</b>					
	<b>GEO 105</b>	<b>GEO 106</b>				
	<b>Category GT-SS3</b>					
	<b>ANT 101</b>	ANT 107	ANT 215	COM 220	ETH 200	PSY 101
	PSY 102	PSY 205	PSY 217	PSY 226	PSY 227	PSY 235
	PSY 238	PSY 240	PSY 249	PSY 265	SOC 101	SOC 102
	SOC 205	SOC 215	SOC 216	SOC 218	SOC 231	SOC 237
WST 200						
<b>Physical and Life Sciences</b> (10 credit hours)	<b>Category GT-SC1</b>					
	<b>CHE 111</b>	<b>CHE 112</b>				

<b>Additional Requirements</b> 24 credits recommended by UCCS for this degree plus remaining courses from the approved course list.	BIO 111	5
	CHE 211	5
	CHE 212	5
	COM 125	3
	General Electives	6

**Other AS Requirements**

1. A minimum of 60 credit hours in a prescribed program of study with a cumulative grade point average of 2.0 (a C average). At least 15 of these credit hours must be earned from PCC.
2. Only 6 elective credits are allowed in any combination of PED courses.
3. Career and technical courses, whether taken at another institution or at PCC, are not accepted toward this degree without approval of the vice president for educational services. Approval is given only when it is appropriate to the educational objectives of the student.
4. Courses numbered below 100 do not apply towards degrees

**State-Wide Articulation Agreement**

This guide is based on the Colorado state-wide transfer articulation for your major. For additional information regarding guarantees, limitations, and addendums to that agreement please visit the Guaranteed Transfer and Guided Pathways page on the Colorado Department of Higher Education website ([higherred.colorado.gov/Academics/Transfers/Students.html](http://higherred.colorado.gov/Academics/Transfers/Students.html)).

**Foreign Language Note – UCCS**

UCCS admission requirements include 2 years of the same high school foreign language (or equivalent 2 semesters at Pikes Peak Community College). Students planning to attend UCCS who do not have the prerequisite foreign language requirement should consider enrolling in these courses in addition to the degree requirements. This admission requirement does not apply to those who graduated from high school prior to 1988, who have a GED, who graduated from a non-U.S. high school, or who can prove proficiency in a foreign language through the 2<sup>nd</sup> semester at college level. **Please check with the Transfer Advisor ([transfer@uccs.edu](mailto:transfer@uccs.edu)) to see if this requirement applies to you.**

**Advising at PCC**

(719) 549-3177

**Additional Resources**

The UCCS transfer website ([www.uccs.edu/transfer](http://www.uccs.edu/transfer)) has many additional resources for students transferring from PCC to UCCS.

## Four-Year Degree Plan - Biochemistry

The following four-year plan lists all the specific course requirements for the Bachelor of Science in Biochemistry degree at UCCS. Courses are listed by the course number at the appropriate institution. The order in which these courses are taken may vary with course availability. **Students are responsible for completing all course prerequisites.** Please note that this is a *suggested* degree program; your program may vary.

### Suggested First Year

FALL			SPRING		
√	Course	Hours	√	Course	Hours
	ENG 121	3		ENG 122	3
	CHE 111	5		CHE 112	5
	GT-HI course	3		MAT 201	5
	GT-AH course	3		GT-SS course from: GEO 105, GEO 106, or ANT 101	3
	<b>TOTAL</b>	<b>14</b>		<b>TOTAL</b>	<b>16</b>

### Suggested Second Year

FALL			SPRING		
√	Course	Hours	√	Course	Hours
	CHE 211	5		CHE 212	5
	BIO 111	5		COM 125	3
	General Elective	3		GT-SS course	3
	GT-AH course	3		General Elective	3
	<b>TOTAL</b>	<b>16</b>		<b>TOTAL</b>	<b>14</b>

### Suggested Third Year

FALL			SPRING		
√	Course	Hours	√	Course	Hours
	CHEM 4001/4002	4		CHEM 4222	3
	CHEM 4221	3		CHEM 4231	3
	HUM 3990	3		CHEM 4241	3
	PES 1110/1160	5		CHEM 4701	3
				PES 1120/2160	5
	<b>TOTAL</b>	<b>15</b>		<b>TOTAL</b>	<b>17</b>

### Suggested Fourth Year

FALL			SPRING		
√	Course	Hours	√	Course	Hours
	CHEM 4232	3		CHEM 4921	3
	CHEM 4251	3		UD CHEM Elective	3
	CHEM 4711	3		UD General Elective ( <i>Inclusiveness</i> )	3
	UD (Upper-Division) CHEM Elective	4		UD General Elective ( <i>Cultural Diversity</i> )	3
	General Elective ( <i>Sustainability</i> )	3			
	<b>TOTAL</b>	<b>16</b>		<b>TOTAL</b>	<b>12</b>

### UCCS Bachelor of Arts, BS Biochemistry Major Requirements

1. A minimum of 120 hours must be completed with a cumulative CU grade point average of 2.0; at least 45 of these hours must be at the upper-division level (courses numbered 3000-4999).
2. The BS Biochemistry major requires a minimum of 48 hours with a grade point average of 2.0; a grade of "C" or higher must be attained in all required courses; and at least 38 of the hours must be at the upper-division level (courses numbered 3000-4999)
3. The last 30 hours of the degree must be completed while registered in the College of Letters, Arts and Sciences at UCCS.
4. In addition to the requirements listed on this handout, students are required to complete one course in Oral Communication, Cultural Diversity and Global Awareness. The courses may be within the major, part of general education or electives. BA Biochemistry majors will have met the Global Awareness requirement by completing one course from ANT 101, GEO 105 or GEO 106 at the community college. The Oral Communication requirement will be met by taking CHEM 4921, a required major course, at UCCS. The Cultural Diversity requirement will be met by taking an approved course as a general elective at UCCS.
5. For specific department information and recommendations, please visit: <http://www.uccs.edu/chemistry>.

Prospective Student Advising: Transfer Advisor ([transfer@uccs.edu](mailto:transfer@uccs.edu))