

## Biochemistry (BS)

This Associate of Science degree is designed for PPCC 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 PPCC.

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> (18 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	DAN 125	MUS 120
	MUS 121	MUS 122	MUS 123	MUS 125	THE 105	THE 108
	THE 211	THE 212	<i>THE 215</i>			
	<b>Category GT-AH2</b>					
	HUM 103	<i>HUM 115</i>	HUM 121	HUM 122	HUM 123	LIT 115
	LIT 201	LIT 202	LIT 205	<i>LIT 211</i>	<i>LIT 212</i>	LIT 221
	LIT 222	LIT 225	LIT 246	LIT 259	LIT 268	
	<b>Category GT-AH3</b>					
	PHI 111	PHI 112	PHI 113	PHI 114	PHI 214	PHIL 218
	PHI 220					
	<b>Category GT-AH4</b>					
	FRE 211	FRE 212	GER 211	GER212	ITA 211	ITA 212
	JPN 211	JPN 212	RUS 211	RUS 212	SPA 211	SPA 212
	2. Select one GT-HI course. <b>HIS 112, 205, 243, 249, OR 250</b> are recommended for this major.	<b>Category GT-HI1</b>				
<i>HIS 101</i>		<i>HIS 102</i>	<i>HIS 111</i>	<b>HIS 112</b>	<i>HIS 121</i>	<i>HIS 122</i>
<b>HIS 205</b>		HIS 207	HIS 208	HIS 215	<i>HIS 225</i>	HIS 235
<i>HIS 236</i>		<b>HIS 243</b>	<i>HIS 244</i>	<i>HIS 247</i>	<b>HIS 249</b>	<b>HIS 250</b>
HIS 251		<i>HIS 255</i>	HIS 260			
3. Select three courses from at least two different GT-SS areas. <b>ANT 101, GEO 105 or GEO 106</b> are preferred options to fulfill this requirement for UCCS students.	<b>Category GT-SS1</b>					
	AGE 102	ECO 101	ECO 201	ECO 202	ECO 245	POS 105
	POS 111	POS 125	POS 205	POS 215	POS 225	
	<b>Category GT-SS2</b>					
	<b>GEO 105</b>	<b>GEO 106</b>				
	<b>Category GT-SS3</b>					
	AGR 260	<b>ANT 101</b>	ANT 103	ANT 107	ANT 108	ANT 201
	ANT 215	ANT 225	ANT 250	COM 220	CRJ 110	ETH 200
	JOU 105	PSY 101	PSY 102	PSY 205	PSY 217	PSY 226
	PSY 227	PSY 235	PSY 238	PSY 240	PSY 249	SOC 101
	SOC 102	SOC 205	SOC 207	SOC 215	SOC 216	SOC 218
	SOC 220	SOC 231	SOC 237	WST 200	WST 225	WST 240

Physical and Life Sciences (10 credit hours)	Category GT-SC1				
	CHE 111	CHE 112			
<b>Additional Requirements</b> 21 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 Elective				3

**NOTE:** Courses in italics will count towards the UCCS Writing Intensive Requirement.

### Other AA 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 PPCC.
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 PPCC, are not accepted toward this degree without approval of the PPCC Vice President for Instructional 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 ([higher.ed.colorado.gov/Academics/Transfers/Students.html](http://higher.ed.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. Students who do not meet this requirement will need to fulfill it upon transferring to UCCS. 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 ([ppcc@uccs.edu](mailto:ppcc@uccs.edu)) to see if this requirement applies to you.**

### Advising at PPCC

(719) 502-3232 – [advising@ppcc.edu](mailto:advising@ppcc.edu)

### Additional Resources

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

## Four-Year Degree Plan – Biochemistry B.S.

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-AH course	3		MAT 201	5
	GT-SS 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
	GT-SS course	3		GT-HI1 course – HIS 112, 205, 243, 249, OR 250 (INC)	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 2201	3
	CHEM 4221	3		CHEM 4222	3
	HUM 3990	3		CHEM 4231	3
	PES 1110/1160	5		CHEM 4701	3
	General Elective	1		PES 1120/2160	5
<b>TOTAL</b>		<b>16</b>	<b>TOTAL</b>		<b>17</b>

### Suggested Fourth Year

FALL			SPRING		
√	Course	Hours	√	Course	Hours
	CHEM 4232 or 4502	3		CHEM 4261	3
	CHEM 4921	3		UD CHEM Elective	3
	Upper-Division (UD) CHEM Elective	3		UD CHEM Elective	3
	UD CHEM Elective	3		UD General Elective (Sustainability) (and Inclusiveness if not	3
	UD General Elective (Cultural Diversity)	3		taken as HI1 course.)	
<b>TOTAL</b>		<b>15</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 300-499).
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 ([ppcc@uccs.edu](mailto:ppcc@uccs.edu))