Concurrent Guide
Computer Engineering (BS)

The Computer Engineering Concurrent program is designed for students who wish to begin at PPCC and finish their degree program at UCCS in Computer Engineering. Since many lower level courses are only offered through UCCS, students will need to be concurrently enrolled at both PPCC and UCCS to complete the program in 4 years.

To earn the Associate of General Studies Degree, students must complete the following course requirements for a total minimum of 60 semester credit hours, at least 30 of which must be general education courses and at least 15 must be from Colorado State-Guaranteed courses. A minimum cumulative GPA of 2.0 (C average) must be earned on all courses. At least 15 credit hours must be earned at PPCC.

Degree Requirements	Courses				
Communication (3 credit hours)	ENG 121				
Mathematics (21 credit hours)	Complete all of the following courses.				
	MAT 201	MAT 202	MAT 203	MAT 215	MAT 265
Arts and Humanities (3 credit hours) Complete one course.	These courses meet both the GT-AH category and general education requirements at UCCS.				
	ART 112	ART 207	LIT 115	LIT 201	LIT 202	MUS 120
	PHI 111	PHI 112	PHI 113			
Social & Behavioral Sciences (3 credit hours) Complete one course.	These courses meet both the GT-SS category and general education requirements at UCCS.				
	ANT 101	ECO 201	ECO 202	GEO 105	GEO 106	POS 111
	PSY 101	PSY 102	PSY 226	SOC 101	SOC 215	SOC 216
	SOC 218				
Physical and Life Sciences (10 credit hours)	Category GT-SC1				
	PHY 211	**PHY 212**			

Additional Requirements	PPCC Courses	
	CSC 119	3
30 credits recommended by UCCS for this degree plus remaining courses from the approved course list.	CSC 160	4
	CSC 161	4
	CSC 230	3
	UCCS Courses	
	TCID 2090	3
	CS 2080	2
	ECE 1001	3
	ECE 1411	2
	ECE 2411	2
	ECE 2610	4

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 2nd semester at college level. **Please check with the Transfer Advisor (ppcc@uccs.edu) to see if this requirement applies to you.**

Four-Year Degree Plan – Computer Engineering

The following four-year plan lists all the specific course requirements for the Bachelor of Science in Computer Engineering degree at UCCS. PPCC courses are listed in bold. 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.

NOTE: Please be aware that completing the concurrent program will require an additional 2 credit hours to complete the Computer Engineering degree due to differences in hours for math and science courses.

Suggested First Year

	FALL			SPRING	
√	Course	Hours	√	Course	Hours
	MAT 201	**5**		**MAT 202**	**5**
	ENG 121	**3**		**CSC 160**	**4**
	CSC 119	**3**		**PHY 211**	**5**
	Social and Behavioral Course[1]	**3**		TCID 2090	3
	ECE 1001	**3**			
	TOTAL	17		**TOTAL**	17

Suggested Second Year

	FALL			SPRING	
√	Course	Hours	√	Course	Hours
	MAT 203	**4**		**MAT 215**	**4**
	PHY 212	**5**		**MAT 265**	**3**
	CSC 161	**4**		**CSC 230**	**3**
	ECE 1411	2		ECE 2411	2
	CS 2080	2		ECE 2610	4
	TOTAL	17		**TOTAL**	16

Suggested Third Year

	FALL			SPRING	
√	Course	Hours	√	Course	Hours
	CS 3060	3		CS 3300	3
	ECE 2205	4		ECE 3440	1
	ECE 3210	3		ECE 3610	3
	ECE 3420	1		ECE 4480	3
	ECE 3430	3		Basic Science Course[2]	4
	ECE 4242	3		Humanities/Social Science elective[1]	3
	TOTAL	17		**TOTAL**	17

Suggested Fourth Year

	FALL			SPRING	
√	Course	Hours	√	Course	Hours
	CS 4500	3		ECE 4899	3
	CS 4720	3		Technical Electives	7
	ECE 4330	3		Arts and Humanities Course[1]	3
	ECE 4891	1		Humanities/Social Science elective[1] (2000+level)	3
	Technical Elective	3			
	Humanities/Social Science elective[1] (2000+level)	3			
	TOTAL	16		**TOTAL**	16

[1]Humanities/Social Science Note

A minimum of 15 hours of humanities and social science courses are required.

- Complete at least 6 hours from the following departments: AH, ENGL (non-composition courses only), HIST, HUM, Languages (culture courses only), MUS (except choir and lessons), and PHIL.
- Social Science - Complete 6 hours from: ANTH, COMM, ECON, GES, GRNT, PSC, PSY, SOC and WEST.
- Complete an additional 3 hours from either social science or humanities courses.
- At least 6 hours in social science/humanities must be numbered 2000 or above

Be sure to check with the Engineering Advisor to ensure that your Humanities/Social Science electives will meet the above requirements, especially with course level and distribution.

[2]Basic Science Note

Complete remaining hours, beyond Physics, from the following: BIOL 1300/1310, 1350/1360 (BIO 111 or 112 at PPCC); CHEM 1401/1402, 1411/1412 (CHE 111, 112 at PPCC); GEOL 1001, 1020 (GEY 111, 121 at PPCC)

Transfer Completion

After completing the AGS, you should be able to complete the remainder of your BS degree in Computer Engineering in two additional years, if you have followed the transfer plan in its entirety (see below for details). However, most students take 1 to 3 classes in the summer to relieve their spring and fall semester loads.

UCCS Bachelor of Science, Computer Engineering Concurrent Program Requirements

Application Process:

1. Admission Criteria

Students must meet one set of criteria listed below before they can apply to the program.

Criteria 1 – Students with fewer than 15 credit hours of college level course work will be evaluated based on typical freshman admission criteria to the College of Engineering and Applied Science. Generally students who meet the following **minimum** requirements will be seriously considered for the concurrent program:

21+ ACT or 1020+ SAT composite score

21+ ACT or 510+ SAT math score

19+ ACT or 450+ SAT English/Verbal score

3+ years of high school math to include either pre-calculus or trigonometry

3.2+ high school GPA or top 40% of class, whichever is higher

Students also will need to meet all Higher Education Admission Requirements (HEAR).

Criteria 2 – Students who do not meet Criteria 1 and have completed at least 15 hours of college level course work (not including remedial course work) can apply to the program once they meet the following criteria:

2.4 or higher transfer GPA

A grade of "B" or better in one of the following courses: MAT 122, 166 or 201

NOTE: Meeting the criteria of either set is not a guarantee of admission to the program, but rather a minimum requirement a student should attain before attempting application.

2. Application

Application to the Engineering Concurrent Program requires admission to UCCS. Students will need to apply through the UCCS online application and will need to write "Engineering Concurrent Program" in the essay section of the application. The application also will require additional materials listed on the online application.

3. Deadlines

For Summer admission – May 1st

For Fall admission – July 1st

For Spring admission – December 1st

Financial Aid

Students who qualify for Financial Aid will need to work with both campuses to set up their award package. See the Financial Aid offices on each campus for more details.

UCCS Contact Information

Academic Advising: www.uccs.edu/advising

Concurrent Program advising: Engineering Advisor, success@uccs.edu

(719) 255-3260

Required Academic Advising

Concurrent program participants are required to see their academic advisors at each campus before being able to register for the following semester. Participants also are required to submit transcripts from each campus after grades have been posted to remain in the program.

Recommendations

The UCCS Transfer Website contains answers to several transfer questions, provides extra resources, and information about transfer events (www.uccs.edu/transfer). UCCS applications are good for one year. Students wanting to attend UCCS are encouraged to apply up to one year in advance in order to meet FAFSA and scholarship deadlines. Visit the UCCS campus by registering for a tour at www.uccs.edu/visit. Prospective transfer students are encouraged to contact the UCCS Transfer Advisor at **ppcc@uccs.edu** with any questions or concerns about transferring.