Concurrent Guide
Electrical Engineering (BS)

The Electrical Engineering Concurrent program is designed for students who wish to begin at PPCC and finish their degree program at UCCS in Electrical 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 (17 credit hours)	**Complete all of the following courses.**					
	MAT 201	MAT 202	MAT 203	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 (15 credit hours)	**Category GT-SC1** *Other science courses are available, but CHE 111 is strongly recommended.*					
	PHY 211	**PHY 212**	**CHE 111**			

Additional Requirements	PPCC Courses	
	1 additional Humanities/Social Science course	3
27 credits recommended by UCCS for this degree plus remaining courses from the approved course list.	**UCCS Courses**	
	ECE 1001	3
	ECE 1021	3
	ECE 1411	2
	ECE 2050	3
	ECE 2205	4
NOTE: UCCS courses will transfer to PPCC for the AGS degree.	ECE 2411	2
	ECE 2610	4
	PES 2130	3

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.**

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Four-Year Degree Plan – Electrical Engineering

The following four-year plan lists all the specific course requirements for the Bachelor of Science in Electrical 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 4 credit hours to complete the Electrical 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**
	Basic Science Course (CHE 111 strongly recommended)	**3-5**		**ENG 121**	**3**
	ECE 1001	3		ECE 1021	3
	ECE 1411	2		ECE 2411	2
	Arts and Humanities Course*	**3**		**PHY 211**	**5**
	TOTAL	16-18		**TOTAL**	18

Suggested Second Year

	FALL			SPRING	
√	*Course*	*Hours*	√	*Course*	*Hours*
	MAT 203	**4**		**MAT 265**	**3**
	PHY 212	**5**		ECE 2050	3
	ECE 2610	4		ECE 2205	4
	Social and Behavioral Course*	**3**		PES 2130	3
				Humanities/Social Science elective*	**3**
	TOTAL	16		**TOTAL**	16

Suggested Third Year

	FALL			SPRING	
√	*Course*	*Hours*	√	*Course*	*Hours*
	ECE 3020	3		ECE 3110	3
	ECE 3205	4		ECE 3220	3
	ECE 3210	3		ECE 3240	1
	ECE 3230	1		ECE 3610	3
	ECE 3420	1		Electrical Engineering Electives	4
	ECE 3430	3		ENGL 2090	3
	TOTAL	15		**TOTAL**	17

Suggested Fourth Year

	FALL			SPRING	
√	*Course*	*Hours*	√	*Course*	*Hours*
	ECE 4890	1		ECE 4898	3
	Technical Electives	9		Electrical Engineering Electives	10
	MATH Elective (MATH 3110 or higher, except 3810)	3		Humanities/Social Science elective* (2000+level)	3
	Humanities/Social Science elective* (2000+level)	3			
	TOTAL	16		**TOTAL**	16

*Humanities/Social Science Note

- A minimum of 15 hours of humanities and social science courses are required. At least 6 hours must be courses numbered 2000 and above.

- Select at least one course from the following: ANTH, COMM, ECON, GES, GRNT, PSC, PSY, SOC and WEST.

- Select at least one course from the following: AH, ENGL (non-composition courses only), HIST, HUM, Languages (culture courses only), MUS (except choir and lessons), and PHIL.

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.

Transfer Completion

After completing the AGS, you should be able to complete the remainder of your BS degree in Electrical 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.

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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.