

Pre-Major Associate in Science Articulation Agreement: Engineering

Computer Engineering

(A1040D)

For more information: Program Chair: 704.330.6479 or Division Office: 704.330.6860



Overview

The Computer Engineering curriculum prepares students with the coursework required to transfer to the Bachelor of Science degree in Computer Engineering at the University of North Carolina at Charlotte.

A BSCpE degree can lead to careers spanning a broad area in the design, management and development in the fields of microelectronics, communications, biomedical engineering, VLSI and computer engineering.

Degree Awarded

Students complete the first two years of coursework (listed under Curriculum) at Central Piedmont Community College and transfer to the University of North Carolina at Charlotte. After successfully completing this two-year program (i.e., passing each course with a grade of C or better, and obtaining an overall GPA of 2.5 or better), graduates can join the Department of Electrical and Computer Engineering at UNC Charlotte as a junior in the BSCpE program. For more information, visit <http://www.ece.uncc.edu/transfer.htm>.

Admissions

- ❖ A high school diploma or equivalent is required. High school students preparing for the BSCpE transfer program should complete courses in calculus-based algebra, trigonometry, and advanced mathematics. Skills and proficiencies should be developed in writing, computer literacy, and science.

- ❖ CPCC placement tests are required in English and mathematics. Advancement Studies in mathematics and English courses are available for students to build basic skills and knowledge. A counseling/orientation appointment follows placement testing.
- ❖ Many courses have prerequisites and/or co-requisites; check the Course Descriptions section for details.

CURRICULUM

First Semester			Lecture	Lab	Credit
EGR	150	Intro. to Engineering	1	2	2
CHM	151	General Chemistry I with Lab	3	3	4
MAT	271	Calculus I	3	2	4
ENG	111	Expository Writing	3	0	3
CSC	120	Computing Fundamentals I	3	2	4

Total Semester Hours 17

Second Semester

Pick one:	Group A, next page	3	0	3	
PHY	251	General Physics with Lab	3	3	4
MAT	272	Calculus II	3	2	4
ENG	113	Literature-Based Research	3	0	3
CSC	130	Computing Fundamentals II	3	2	4

Total Semester Hours 18

Third Semester

Pick One:	Group B, next page	3	0	3	
EGR	215	Network Theory I	3	0	3
EGR	216	Logic and Network Lab	0	3	1
EGR	212	Logic System Design I	3	0	3
PHY	252	General Physics II with Lab	3	3	4
MAT	273	Calculus III	3	2	4

Total Semester Hours 18

Fourth Semester

EGR	218	Network Theory II	3	0	3
Pick One:	Group C, next page	3	0	3	
EGR	219	Instrument & Network Lab	0	3	1
MAT	285	Differential Equations	3	0	3
EGR	210	Intro. to Elec/Com Eng Lab	1	3	2
Pick one:	Group D, next page	3	0	3	

Total Semester Hours 15

B.S.Cp.E. with UNCC 2+2

FIRST STEP TO ENROLL:

Call CPCC Counseling at
704.330.5013

Consult a faculty advisor or
College counselor prior to registration.

CPCC is an Equal
Opportunity Institution.

Group A

ART 111	Art Appreciation	3	0	3
ART 114	Art History Survey I	3	0	3
ART 115	Art History Survey II	3	0	3
ART 116	Survey of American Art	3	0	3
ART 117	Non-Western Art History	3	0	3
DAN 110	Dance Appreciation	3	0	3
DAN 211	Dance History I	3	0	3
DAN 212	Dance History II	3	0	3
DRA 111	Theatre Appreciation	3	0	3
MUS 110	Music Appreciation	3	0	3
MUS 210	History of Rock Music	3	0	3
MUS 213	Opera and Musical Theatre	3	0	3
MUS 271	Music History I	3	0	3
MUS 272	Music History II	3	0	3

Group B

HIS 111	World Civilizations I	3	0	3
HIS 112	World Civilizations II	3	0	3
HIS 131	American History I	3	0	3
HIS 132	American History II	3	0	3
HIS 221	African-American History	3	0	3
HIS 231	Recent American History	3	0	3
HUM 211	Humanities I	3	0	3
HUM 212	Humanities II	3	0	3
REL 221	Religion in America	3	0	3

Group C

ANT 220	Cultural Anthropology	3	0	3
ANT 221	Comparative Cultures	3	0	3
GEO 111	World Regional Geography	3	0	3
HIS 165	Twentieth-Century World	3	0	3
POL 210	Comparative Government	3	0	3
POL 220	International Relations	3	0	3
REL 110	World Religions	3	0	3
REL 111	Eastern Religions	3	0	3
SOC 225	Social Diversity	3	0	3

Group D

ENG 133	Introduction to the Novel	3	0	3
ENG 231	American Literature I	3	0	3
ENG 232	American Literature II	3	0	3
ENG 241	British Literature I	3	0	3
ENG 242	British Literature II	3	0	3
ENG 251	Western World Literature I	3	0	3
ENG 252	Western World Literature II	3	0	3
ENG 253	The Bible as Literature	3	0	3
ENG 271	Contemporary Literature	3	0	3
ENG 273	African-American Literature	3	0	3
ENG 274	Literature by Women	3	0	3
ENG 275	Science Fiction	3	0	3
HEA 110	Personal Health/Wellness	3	0	3
HUM 115	Critical Thinking	3	0	3
HUM 220	Human Values & Meaning	3	0	3
PHI 220	Western Philosophy I	3	0	3
PHI 221	Western Philosophy II	3	0	3
REL 211	Introduction to Old Testament	3	0	3
REL 212	Introduction to New Testament	3	0	3
SOC 213	Sociology of the Family	3	0	3
SPA 151	Hispanic Literature	3	0	3