

**BACHELOR OF SCIENCE IN COMPUTER ENGINEERING DEGREE  
PLAN OF STUDY**

Name \_\_\_\_\_

Student ID \_\_\_\_\_

School Admission Date

Program Entry Date

Coop?

# Transfer Credits

Course Number	Alter Course	Credit Hrs	Grade	Comments
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**I. Freshman Engineering (28 hours)**

MATH 16500		4		
MATH 16600		4		
MATH 17100		3		
CHEM C10500		3		
PHYS 15200		4		
ENG W131		3		
COMM R110		3		
ENGR 19500 *		1		
ENGR 19600 *		3		

**II. Math & Sciences (18 hours)**

MATH 26100		4		
MATH 26600		3		
PHYS 25100		5		
CSCI 34000		3		
		3		Math/Sci/Tech Elect.

**III. Engineering Design (14 hours)**

ECE 27000 *		4		
ECE 36200 *		4		
ECE 36500 *		3		
ECE 48700 *		1		
ECE 48800 *		2		

**IV. Engineering Sciences (29 hours)**

ENGR 29700		1		
ECE 20100 *		3		
ECE 20700 *		1		
ECE 20200 *Ω		3		
ECE 26300 *		3		
ECE 2xx00 *		1		
ECE 28200 *		1		
CSCI 24000 *		4		
ECE 30100 *		3		
ECE 30200 *Ω		3		
CSCI 36200 *		3		
ECE 40800 *		3		

Ω Students must meet with Academic Advisor before registering for ECE 20200, ECE 30200, and ECE 40100.

\* These courses combine to create your Engineering GPA

Course Number	Alter Course	Credit Hrs	Grade	Comments
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**V. Advanced CmpE Electives (6 hours) \***

		3		
		3		

**VI. CmpE Electives (9 hours) \***

		3		
		3		
		3		

**VII. General Education (18 hours)**

TCM 36000		2		
ECE 40100 *Ω		1		
ECE 32700 or ECON 201		3		
		3		Gen. Ed.
		3		Gen. Ed.
		3		Gen. Ed.
		3		Gen. Ed.

**VIII. Other (4 hours)**

ECE 21000 *		1		
		3		Restricted Elect.

**Total Semester Hours 126 Minimum**

Students must apply for graduation at the beginning of the semester they plan to graduate. See your advisor for deadlines.

**Approvals & Signatures**

Student	
Advisory Committee Members	
1	
2	
3	
ECE Chair	
	Date
	Degree GPA
	Engr GPA (*courses)

## Computer Engineering

### Freshman Year

First Semester	Credit Hrs
ENGR 19500 Intro. Engineering Profession	1
ENGR 19600 Intro. Engineering	3
MATH 16500 Analyt. Geometry and Calc. I	4
CHEM C 10500 Chemical Science I	3
COMM R 110 Fund. Of Speech Comm.	3
General Education Elective (1)	3
<b>Total Credit Hours</b>	<b>17</b>

Second Semester	Credit Hrs
PHYS 15200 Mechanics	4
MATH 16600 Analyt. Geometry and Calc. II	4
MATH 17100 Multidimensional Math.	3
ENG W 131 Elementary Comp. I	3
General Education Elective (1)	3
<b>Total Credit Hours</b>	<b>17</b>

### Sophomore Year

First Semester	Credit Hrs
MATH 26100 Multivariate Calculus	4
PHYS 25100 Electricity and Optics	5
ECE 20100 Linear Circuit Analysis I	3
ECE 20700 Electronic Measurement Techs.	1
ECE 26300 Intro Computing in EE	3
ECE 2xx00 Intro Computing Lab	1
<b>Total Credit Hours</b>	<b>17</b>

Second Semester	Credit Hrs
MATH 26600 Ordinary Differential Eqs.	3
CSCI 24000 Advanced Programming	4
Ω ECE 20200 Circuit Analysis II	3
ECE 27000 Digital Logic Design	4
ENGR 29700 Computer Tools for Engineers	1
ECE 21000 Sophomore Seminar	1
<b>Total Credit Hours</b>	<b>16</b>

### Junior Year

First Semester	Credit Hrs
ECE 30100 Signals and Systems	3
ECE 36200 Microproc. Syst. And Interfac.	4
CSCI 34000 Discrete Mathematics	3
Math/Science/Tech Elective (2) or (3)	3
General Education Elective (1)	3
<b>Total Credit Hours</b>	<b>16</b>

Second Semester	Credit Hrs
Ω ECE 30200 Probabilistic Methods	3
ECE 28200 Unix Programming for Eng.	1
CSCI 36200 Data Structures	3
CmpE Elective (4)	3
TCM 36000 Comm. In Engineering Practice	2
ECE 32700 or ECON 201	3
<b>Total Credit Hours</b>	<b>15</b>

### Senior Year

First Semester	Credit Hrs
ECE 36500 Intro to Des. of Digital Comp.	3
ECE 48700 Senior Design I	1
Ω ECE 40100 Engineering Ethics	1
Adv. CmpE Elective (5)	3
CmpE Elective (4)	3
General Education Elective (1)	3
<b>Total Credit Hours</b>	<b>14</b>

Second Semester	Credit Hrs
ECE 40800 Operating Systems	3
ECE 48800 Senior Design II	2
Adv. CmpE Elective (5)	3
CmpE Elective (4)	3
Restricted Elective (6)	3
<b>Total Credit Hours</b>	<b>14</b>

Total Credit Hours for Degree      126

- Notes:
- (1) From Approved Humanities or Social Science Elective List
  - (2) From Approved Math/Science Elective List
  - (3) From Approved Technical Elective List
  - (4) From Approved Computer Engineering Elective List
  - (5) From Approved Advanced Computer Engineering Elective List
  - (6) From Lists 1-5 above
  - Ω Students must meet with Academic Advisor before registering for this course