

FALL 2017



College of Science, Engineering and Technology

Major: COMPUTER ENGINEERING

Entering Term: _____

Expected Graduation Date: _____

Advisor: _____

Approved: Academic Affairs

L. Brown-Wright

Dr. Lynda Brown-Wright, Provost

Indicate Summer Courses in Comments Section

FRESHMAN YEAR FALL 1st SEMESTER				
COURSE	COURSE TITLE	CREDIT HOURS	GRADE	NOTES
MATH 241	Calculus I	3		
ENG 104	Composition	3		
HIST 101	History of Civilization	3		
UNIV 100	University Success	2		
CSC 118	Computer Science I	3		
TOTAL CREDIT HOURS		14	GRADE POINT AVERAGE	

Comments: _____

FRESHMAN YEAR SPRING 2 ND SEMESTER				
COURSE	COURSE TITLE	CREDIT HOURS	GRADE	NOTES
MATH 242	Calculus II	3		
ENG 105	Composition	3		
HIST 102	History of Civilization	3		
PHY 211 & PHY 211	General Physics and Lab	5		
ECE 212 & ECEL 212	Digital Logic and Lab	4		
TOTAL CREDIT HOURS		18	GRADE POINT AVERAGE	

Comments: _____

SOPHOMORE YEAR FALL 1 ST SEMESTER				
COURSE	COURSE TITLE	CREDIT HOURS	GRADE	NOTES
MATH 243	Calculus Iii	3		
PHY 212 & PHY 212	General Physics II and Lab	5		
CSC 119	Computer Science II	3		
ECE 220 & ECEL 220	Circuit Theory and Lab	4		
TOTAL CREDIT HOURS		15	GRADE POINT AVERAGE	

Comments: _____

SOPHOMORE YEAR SPRING 2 ND SEMESTER				
COURSE	COURSE TITLE	CREDIT HOURS	GRADE	NOTES
MATH 244	Calculus IV	3		
ECE 312	Computer Organization	3		
ECE 330 & ECEL 330	Electronics I and Lab	4		
CSC 225	Discrete Structures	3		
ECE 252	Engineering Analysis	3		
TOTAL CREDIT HOURS		16	GRADE POINT AVERAGE	

English Proficiency: Date taken _____ Pass or Fail If Failed: English 399 (Functional Writing): Date Taken _____ Pass or Fail

Comments: _____

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JUNIOR YEAR FALL 1 ST SEMESTER				
COURSE	COURSE TITLE	CREDIT HOURS	GRADE	NOTES
MATH 368	Ordinary Diff Equations	3		
EN 222	Engineering Mechanics I	3		
CHEM 141 & CHML 141	General Chemistry I and Lab	4		
ECE 315	Synthesis With HDI	3		
ECE 360 & ECEL 360	Embedded Microprocessor & Lab	4		
TOTAL CREDIT HOURS		17	GRADE POINT AVERAGE	

Comments: _____

JUNIOR YEAR SPRING 2 ND SEMESTER				
COURSE	COURSE TITLE	CREDIT HOURS	GRADE	NOTES
MATH 307	Probability & Statistics	3		
ECE 351	Signals & Systems	3		
ECE 412	Computer Architecture	3		
CSC 228 & CSCL 228	Data Structures & Algorithms and Lab	4		
EN 355	Engineering Economy	3		
ENG ____	English Elective	3		
TOTAL CREDIT HOURS		19	GRADE POINT AVERAGE	

Comments: _____

SENIOR YEAR FALL 1 ST SEMESTER				
COURSE	COURSE TITLE	CREDIT HOURS	GRADE	NOTES
ECE 490	Senior Project Design I	3		
CSC 325	Operating Systems	3		
PHIL ____	Philosophy Elective	3		
ART ____	Fine Arts Elective	3		
ECE ____	Technical Elective I	3		
TOTAL CREDIT HOURS		15	GRADE POINT AVERAGE	

Comments: _____

SENIOR YEAR SPRING 2 ND SEMESTER				
COURSE	COURSE TITLE	CREDIT HOURS	GRADE	NOTES
ECE 491	Senior Project Design II	3		
ECE ____	Technical Elective II & III	6		
SPCH ____	Speech Elective	3		
TOTAL CREDIT HOURS		12	GRADE POINT AVERAGE	

Comments: _____

On-line Graduation Clearance (TO BE COMPLETED DURING THE GRADUATING SEMESTER ONLY)

TOTAL HOURS: 128 (REQUIRED)

*Candidates that transfer 12 or more hours of college credit are exempt from UNIV 100: University Success: however, the student must take 2 hours of general electives to replace the UNIV course.

*All students must take the Undergraduate English Proficiency Examination (UEPE) after the sophomore year. Students not passing the exam must take **ENG 399**.

STUDENT SIGNATURE

DATE

ADVISOR SIGNATURE

DATE

FALL 2017

Students who joined the program in Spring 2006 or after must follow this curriculum. This curriculum is optional for students who joined the program before 2006.

Technical Electives:

ECE 430 Digital VLSI Design	ECE 451 Digital Signal Processing
ECE 431 Digital Systems Testing	ECE 492 Special Studies in ECE
ECE 345 Electromagnetics	ECE 493 Special Topics in ECE
ECE 440 Communications Systems	Other courses require Chair's approval
ECE 441 Computer Networks	

Speech Options:

SPCH 201 Speech Arts	SPCH 355 Persuasion
SPCH 300 Intro to Organization Communication	SPCH 430 Small Group Discussion
SPCH 334 Argumentation and Debate	

Philosophy Options:

PHIL 301 Introduction to Philosophy	PHIL 208 Aesthetics
PHIL 416 Logic	PHIL 309 Ethics

Humanities and Fine Arts Options:

ART 206 Art Appreciation	FR 101/102 Elementary French
MUS 205 Music Appreciation	FR 201/202 Intermediate French
DR 201 Introduction to Drama	FR 213 French Phonetic Reading
ENG 201/202 Humanities	SP 101/102 Elementary Spanish
ENG 205 World Literature	SP 201/202 Intermediate Spanish

- Note – students may take the equivalent of any foreign language the University offers.

English Options:

ENG 213 Professional Writing	ENG 205 World Literature
ENG 206 Literature of Science	

Additional Requirements:

ENG 002: Required for students with an ACT English subtest score of 16 or less. Strongly encouraged for students with English subtest score of 19 or less.

MATH 004: Required for students with an ACT Mathematics subtest score of 16 or less. Strongly encouraged for students with Mathematics subtest score of 19 or less.

RE 002: Required for students with an ACT Reading subtest score of 16 or less. Strongly encouraged for students with Reading subtest score of 19 or less.

GNST 101, 102: Required for students taking two or more intermediate courses. Students in the Academic Support Program will not be permitted to take more than 15 semester hours, including intermediate courses and the Academic Support Program.

Notes:

- Students who transfer 12 or more hours of college credit are exempt from UNIV 100.
- Students are required to take the Mathematics Placement Test to determine if they need to take any math courses before taking Math 241- Calculus I.

Students who joined the program in Spring 2006 or after must follow this curriculum. This curriculum is optional for students who joined the program before 2006.