

FALL 2017



College of Science, Engineering and Technology

Major: ELECTRICAL ENGINEERING

Approved: Academic Affairs

*L. Brown-Wright*

Dr. Lynda Brown-Wright, Provost

Entering Term: \_\_\_\_\_

Expected Graduation Date: \_\_\_\_\_

Advisor: \_\_\_\_\_

\*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 <sup>ND</sup> SEMESTER				
COURSE	COURSE TITLE	CREDIT HOURS	GRADE	NOTES
MATH 242	Calculus II	3		
ENG 105	Composition	3		
HIST 102	History Of Civilization	3		
ECE 212 & ECEL 212	Digital Logic & Digital Logic Lab	4		
PHY 211 & PHYL 211	General Physics & Lab	5		
TOTAL CREDIT HOURS		18	GRADE POINT AVERAGE	

Comments: \_\_\_\_\_

SOPHOMORE YEAR FALL 1 <sup>ST</sup> SEMESTER				
COURSE	COURSE TITLE	CREDIT HOURS	GRADE	NOTES
MATH 243	Calculus III	3		
PHY 212 & PHYL 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 <sup>ND</sup> SEMESTER				
COURSE	COURSE TITLE	CREDIT HOURS	GRADE	NOTES
MATH 244	Calculus IV	3		
CHEM 141	General Chemistry	3		
CHML 141	General Chemistry Lab	1		
ECE 312	Computer Organization	3		
ECE 252	Engineering Analysis	3		
ECE 330, ECEL 330	Electronics I & Electronics Lab	4		
TOTAL CREDIT HOURS		17	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 1 <sup>ST</sup> SEMESTER				
COURSE	COURSE TITLE	CREDIT HOURS	GRADE	PETITION/SUBSTITUTION
MATH 368	Ordinary Diff Equation I	3		
ECE 320	Circuit Theory Ii	3		
ECE 351	Signals and Systems	3		
ECE 335	Semiconductor Devices	3		
ECE 345	Electromagnetics	3		
ECE 360 & ECEL 360	Embedded Microprocessor & Lab	4		
TOTAL CREDIT HOURS		19	GRADE POINT AVERAGE	

Comments: \_\_\_\_\_

JUNIOR YEAR 2 <sup>ND</sup> SEMESTER				
COURSE	COURSE TITLE	CREDIT HOURS	GRADE	NOTES
MATH 307	Probability & Stats	3		
ECE 355	Control Systems	3		
ENG _____	English Elective	3		
ECE 331, ECEL 331	Electronics II & Lab	4		
EN 355	Engineering Economy	3		
TOTAL CREDIT HOURS		16	GRADE POINT AVERAGE	

Comments: \_\_\_\_\_

SENIOR YEAR 1 <sup>ST</sup> SEMESTER				
COURSE	COURSE TITLE	CREDIT HOURS	GRADE	NOTES
ECE 490	Senior Project Design I	3		
ECE 440	Communication Systems	3		
ECE _____	Technical Elective I	3		
PHIL _____	Philosophy Elective	3		
ART _____	Fine Arts Elective	3		
TOTAL CREDIT HOURS		15	GRADE POINT AVERAGE	

Comments: \_\_\_\_\_

SENIOR YEAR 2 <sup>ND</sup> SEMESTER				
COURSE	COURSE TITLE	CREDIT HOURS	GRADE	NOTES
ECE 491	Senior Project Design II	3		
ECE _____	Technical Elective Ii & III	6		
SPCH _____	Speech Option	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

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TECHNICAL ELECTIVES:

ECE 430 DIGITAL VLSI DESIGN  
ECE 431 DIGITAL SYSTEMS TESTING  
ECE 435 POWER ELECTRONICS  
ECE 441 COMPUTER NETWORKS  
ECE 442 DIGITAL COMMUNICATIONS  
ECE 445 APPLIED ELECTROMAGNETICS  
ECE 446 WIRELESS COMMUNICATIONS

ECE 447 TELECOM SWITCHING AND TRANSMISSION  
ECE 451 DIGITAL SIGNAL PROCESSING  
ECE 480 POWER SYSTEMS  
ECE 481 ELECTRIC DRIVES  
ECE 492 SPECIAL STUDIES IN ECE  
ECE 493 SPECIAL TOPICS IN ECE  
OTHER COURSES REQUIRE CHAIR'S APPROVAL

SPEECH OPTIONS:

SPCH 201 SPEECH ARTS  
SPCH 300 INTRO TO ORGANIZATION COMMUNICATION  
SPCH 334 ARGUMENTATION AND DEBATE

SPCH 355 PERSUASION  
SPCH 430 SMALL GROUP DISCUSSION

PHILOSOPHY OPTIONS:

PHIL 301 INTRODUCTION TO PHILOSOPHY  
PHIL 416 LOGIC

PHIL 208 AESTHETICS  
PHIL 309 ETHICS

HUMANITIES AND FINE ARTS OPTIONS:

ART 206 ART APPRECIATION  
MUS 205 MUSIC APPRECIATION  
DR 201 INTRODUCTION TO DRAMA  
ENG 201/202 HUMANITIES  
ENG 205 WORLD LITERATURE

FR 101/102 ELEMENTARY FRENCH  
FR 201/202 INTERMEDIATE FRENCH  
FR 213 FRENCH PHONETIC READING  
SP 101/102 ELEMENTARY SPANISH  
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 206 LITERATURE OF SCIENCE

ENG 205 WORLD LITERATURE

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:

- (A) STUDENTS WHO TRANSFER 12 OR MORE HOURS OF COLLEGE CREDIT ARE EXEMPT FROM UNIV 100.
  - (B) 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
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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.