

FALL 2017



College of Science, Engineering and Technology
Major: Biomedical 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 1 ST 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		
BIO 111 & BIOL 111	General Biology I and Lab	4		
TOTAL CREDIT HOURS		15	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		
CHEM 141 & CHML 141	General Chemistry I & Lab	4		
ECE 212 & ECEL 212	Digital Logic & Lab	4		
TOTAL CREDIT HOURS		17	GRADE POINT AVERAGE	

Comments: _____

SOPHOMORE YEAR FALL 1 ST SEMESTER				
COURSE	COURSE TITLE	CREDIT HOURS	GRADE	NOTES
MATH 243	Calculus III	3		
PHY 211 & PHY 211	General Physics I and Lab	5		
CSC 118	Computer Science I	3		
BIO 112 & BIOL 112	General Biology II	4		
TOTAL CREDIT HOURS		15	GRADE POINT AVERAGE	

Comments: _____

SOPHOMORE YEAR SPRING 2 ND SEMESTER				
COURSE	COURSE TITLE	CREDIT HOURS	GRADE	NOTES
PHY 212 & PHY 212	General Physics II and Lab	5		
MATH 244	Calculus IV	3		
ECE 220 & ECEL 220	Circuit Theory and Lab	4		
	Fine Arts Elective	3		
TOTAL CREDIT HOURS		15	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
ECE 312	Computer Organization	3		
ECE 471	Biomed Signal Processing	3		
CHEM 142 & CHML 142	General Chemistry II and Lab	4		
BIO 470 & BIOL 470	Human Physiology and Lab	4		
MATH 368	Ordinary Diff Equation I	3		
TOTAL CREDIT HOURS		17	GRADE POINT AVERAGE	

Comments: _____

JUNIOR YEAR SPRING 2 ND SEMESTER				
COURSE	COURSE TITLE	CREDIT HOURS	GRADE	NOTES
ECE 360 & ECEL360	Embedded Microprocessor and Lab	4		
ECE 472	Biomedical Materials	3		
EN 222	Engineering Mechanics	3		
ENG	English Elective	3		
CHEM 241 & CHML 241	Organic Chemistry I and Lab	4		
TOTAL CREDIT HOURS		17	GRADE POINT AVERAGE	

Comments: _____

SENIOR YEAR FALL 1 ST SEMESTER				
COURSE	COURSE TITLE	CREDIT HOURS	GRADE	NOTES
BIO 440 & BIOL 440	Cell Biology and Lab	4		
ECE 470	Biomedical Instrumentation	3		
BME 490	Senior Project Design I	3		
SPCH	Speech Elective	3		
MATH 307	Probability and Statistics For Engineers	3		
TOTAL CREDIT HOURS		16	GRADE POINT AVERAGE	

Comments: _____

SENIOR YEAR SPRING 2 ND SEMESTER				
COURSE	COURSE TITLE	CREDIT HOURS	GRADE	NOTES
BME 491	Senior Project Design II	3		
PHIL	Philosophy Elective	3		
	Technical Elective I	3		
	Technical Elective II	3		
	Technical Elective III	3		
TOTAL CREDIT HOURS		15	GRADE POINT AVERAGE	

Comments: _____

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

TOTAL HOURS: 127 (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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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:

BIO 318 Introductory Genetics	ECE 355 Control Systems
BIO 318 Introductory Genetics Lab	ECE 451 Digital Signal Processing
BIO 393 Introduction to Medical Terminology	ECE 493 Special Topics
BIO 443 Biotechnology	Other courses require Chair's approval

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 308 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 Intro to Theater	SP 101/102 Elementary Spanish
ENG 205 World Literature	SP 201/202 Intermediate Spanish

- 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 recommended 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.