

FALL 2017

# College of Science, Engineering and Technology

Major: ELECTRICAL ENGINEERING

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

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

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

\*Indicate Summer Courses in Comments Section\*

| FRESHMAN YEAR FALL 1st SEMESTER |              |              |       |       |
|---------------------------------|--------------|--------------|-------|-------|
| COURSE                          | COURSE TITLE | CREDIT HOURS | GRADE | NOTES |

|                    |  |   |                     |  |
|--------------------|--|---|---------------------|--|
|                    |  | 4 |                     |  |
| TOTAL CREDIT HOURS |  | 1 | 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,<br>ECEL 330                           | Electronics I & Electronics Lab | 4            |                     |       |
| TOTAL CREDIT HOURS                             |                                 | 17           | GRADE POINT AVERAGE |       |

FALL 2017

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TECHNICAL ELECTIVES:

|                                  |  |
|----------------------------------|--|
| ECE 430 DIGITAL VLSI DESIGN      | ECE 447 TELECOM SWITCHING AND TRANSMISSION |
| ECE 431 DIGITAL SYSTEMS TESTING  | ECE 451 DIGITAL SIGNAL PROCESSING          |
| ECE 435 POWER ELECTRONICS        | ECE 480 POWER SYSTEMS                      |
| ECE 441 COMPUTER NETWORKS        | ECE 481 ELECTRIC DRIVES                    |
| ECE 442 DIGITAL COMMUNICATIONS   | ECE 492 SPECIAL STUDIES IN ECE             |
| ECE 445 APPLIED ELECTROMAGNETICS | ECE 493 SPECIAL TOPICS IN ECE              |
| ECE 446 WIRELESS COMMUNICATIONS  | 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 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     | SP201/202 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:

- (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.