

# Electrical Engineering

| COURSE |            |
|--------|------------|
| PREREQ | PREREQ FOR |
| CO-REQ | CO-REQ FOR |
| TERM   |            |

1<sup>st</sup> year

| CSC 111  | ENGR 130             | ENGR 110 | MATH 100                 | MATH 110 | PHYS 110                                     |
|--|----------------------|----------|--------------------------|----------|--|
| CSC 116, 349A<br>ECE 255,<br>ENGR120<br>MECH 458 |                      | ENGR 120 | MATH 101,<br>PHYS110,111 | ECE 260  | MATH100<br>or 109<br>PHYS111,<br>ECE 216,426 |
| SPRING, FALL                                     | SPRING, SUMMER, FALL | FALL     | SPRING, SUMMER, FALL     | FALL     | FALL, SPRING                                 |

| CHEM 150 | ENGR 120  | ENGR 141   | MATH 101                     | PHYS 111  |
|----------|---|--|------------------------------|---|
| ECE 220  | CSC 110 or<br>111, ENGR<br>110 or (112,<br>ATWP135) | ENGR 297<br>MATH 100 or<br>109, MATH<br>110 or 211 | ECE 426<br>MATH100<br>or 109 | MATH200,<br>ECE 250,260,<br>MECH295<br>PHYS110,<br>ECE<br>216,220,250<br>or 109 or<br>102 |
| SPRING   | SPRING  | SPRING, SUMMER                                     | SPRING, SUMMER, FALL         | SPRING, SUMMER  |

2<sup>nd</sup> year- 2A

| ECE 241   | ECE 255                                      | CSC 116           | ECE 250  | MATH 200   | STAT 254                        |
|---|--|-------------------|--|--|---------------------------------|
| 2 <sup>nd</sup> year<br>standing<br>ECE 441,<br>ECE 299 | CSC 111<br>ECE 355,<br>458, 460,<br>SENG 475 | CSC 110 or<br>111 | MATH 101,<br>PHYS111<br>ECE 299<br>ECE 300,330,<br>370 | MATH101<br>ECE 216, 220,<br>403,<br>CSC349A,<br>MECH410,460<br>STAT254 | MATH 200<br>ECE 440,463,<br>485 |
| FALL  | FALL   | FALL              | SUMMER, FALL   | SPRING, SUMMER, FALL   | FALL                            |

2<sup>nd</sup> year- 2B

| ECE 216  | ECE 220  | ECE 260   | ECE 299   | MECH 295 | MATH 204  |
|--|--|---|---|----------|---|
| MATH 200,<br>PHYS110,111<br>MATH 201 or<br>204<br>ECE 320,340,<br>330, 370,<br>MECH458,<br>ECE 220 | CHEM101<br>or 150;<br>MATH 200,<br>PHYS111<br>or 112 or<br>125<br>ECE 216<br>ECE 320 | MATH 101<br>and 110 or 211<br>ECE 300,<br>310,340,360 | ECE 241,<br>ECE 250,<br>ENGR 120<br>or 121<br>ECE 399 | MATH101  | MATH200<br>or 205<br>CSC349A<br>ECE 216<br>ECE 320<br>ECE 340 |
| SUMMER, FALL   | SUMMER   | SUMMER, FALL  | SUMMER  | SUMMER   | SPRING,SUMMER, FALL   |

3<sup>rd</sup> year- 3A

| CSC 349A   | ECE 300  | ECE 310   | ECE 320   | ECE 330  | ECE 340  |
|--|--|---|---|--|--|
| CSC110 or 111;<br>MATH 110 or<br>211, either<br>MATH200 and<br>201 or MATH<br>202 or 204 | ECE 250,<br>260<br>MATH 201<br>or 204<br>ECE 380,<br>404 | ECE 260<br>ECE 350,403,<br>407, 435, 459,<br>483, 484, 486,<br>466, 471 | Min GPA 3.0<br>in all: ECE<br>216,220, or<br>BME 320<br>MATH 204<br>ECE 380,412,<br>420,452,481 | Min GPA 3.0<br>in all:<br>ECE216,250,<br>MATH 200<br>ECE<br>350,380,<br>461, 462 | ECE216,<br>MATH 201,<br>204<br>ECE 404, 434,<br>452, 453 |
| SPRING, FALL   | SPRING   | SPRING, SUMMER  | SPRING  | SPRING   | SPRING   |

3<sup>rd</sup> year- 3B

| ECE 355   | ECE 350                        | ECE 360                            | ECE 370                                      | ECE 380                                 | ECE 399   |
|---|--------------------------------|------------------------------------|--|---|---|
| ECE 241 or<br>MATH 122,<br>ECE 255<br>ECE 471,<br>449, 455,<br>466,<br>SENG 440,<br>466 | ECE 310<br>ECE 417,450,<br>456 | ECE 260<br>ECE 426,<br>460,461,462 | ECE 216,<br>250<br>ECE 410, 462,<br>482, 488 | ECE 300,<br>320, 330<br>ECE 410,<br>481 | ECE 299,<br>ENGR 001 and,<br>3 <sup>rd</sup> year standing<br>ECE 499 |
| FALL  | FALL                           | SPRING, FALL                       | FALL   | FALL                                    | FALL  |

4<sup>th</sup> year- 4A & 4B

| ECE 499  | ECON 180   | ENGR 297                               | ENGR 446<br>Technical Report                                 | 7 technical electives | 1 CS elective &<br>1 NS elective |
|--|--|--|--|-----------------------|----------------------------------|
| ECE 399 or<br>MECH 350 or<br>BME 350, 3 of<br>ECE 310,350,355,<br>360,370,380<br>ENGR002, 4th<br>year standing | MATH 101,<br>admission to<br>BENG<br>program<br>*Spring'23 | ENGR 120 or<br>ENGR 240 or<br>ENGL 225 | ENGR 002<br>& 6 units of<br>400-level<br>courses<br>ENGR 003 |                       |                                  |
| SUMMER   | SRPING, SUMMER, FALL                                       | SPRING, SUMMER, FALL                   | SPRING, SUMMER, FALL   |                       |                                  |

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