

DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING

Electrical Engineering Program Courses/Design Units

| Required Courses | | |
|--|--------------|---|
| <u>Course</u> | <u>Units</u> | <u>Design Units</u> |
| CE 240 | 3 | 0.5 |
| Chem 101 | 5 | |
| ECE 101 | 1 | 0.5 |
| ECE 101L | 1 | |
| ECE 206 | 2 | 0.5 |
| ECE 206L | 1 | |
| ECE 240 | 3 | 0.25 |
| ECE 240L | 1 | 0.25 |
| ECE 320/L | 3, 1 | 1 |
| ECE 340/L | 3, 1 | 2 |
| ECE 350 | 3 | 0.5 |
| ECE 351 | 3 | 1 |
| ECE 370 | 3 | 1 |
| ECE 450 | 3 | 0.5 |
| ECE 455 | 3 | 0.5 |
| ECE 480 | 3 | 0.75 |
| ECE 492 | 2 | 1 |
| ECE 493 | 1 | 1 |
| Math 150A | 5 | |
| Math 150B | 5 | |
| Math 250 | 3 | |
| Math 280 | 3 | |
| ME 309 | 2 | 0.5 |
| ME 370 or ME 375 | 3 | 0.5 |
| MSE 227 | 3 | |
| MSE 304 | 3 | 0.5 |
| Phys 220A | 3 | |
| Phys 220AL | 1 | |
| Phys 220B | 3 | |
| Phys 220BL | 1 | |
| Subtotal of Upper Division Required Units = <u>37</u> | | Subtotal of Required Design Units = <u>11.75</u> |

- 1) Students must receive a grade of "C-" or better for all courses in the major. A grade of "C" or better is required in Math 150A, Math 150B and Math 250 to meet the mathematics prerequisite requirement.
- 2) ECE 492 & ECE 493 must be taken in residence.

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Electrical Engineering Program Courses/Design Units

| ECE Senior Elective Courses | | |
|------------------------------------|--------------|---------------------|
| <u>Course</u> | <u>Units</u> | <u>Design Units</u> |
| ECE 370L | 1 | 0.5 |
| ECE 410/L | 3, 1 | 1.5 |
| ECE 411 | 3 | 1 |
| ECE 412 | 3 | 1 |
| ECE 420 | 3 | 1.5 |
| ECE 422 | 3 | 1.5 |
| ECE 425/L | 3, 1 | 2.5 |
| ECE 440/L | 3, 1 | 2.5 |
| ECE 442/L | 3, 1 | 2.5 |
| ECE 443/L | 3, 1 | 2.5 |
| ECE 445 | 3 | 0.5 |
| ECE 451/L | 2, 1 | 2 |
| ECE 460/L | 3, 1 | 1 |
| ECE 471 | 3 | 1 |
| ECE 480L | 1 | 0.75 |
| ECE 501 | 3 | 1.5 |
| ECE 503 | 3 | 1.5 |
| ECE 524/L | 3, 1 | 2 |
| ECE 525/L | 3, 1 | 1.5 |
| ECE 526/L | 3, 1 | 2 |
| ECE 527/L | 3, 1 | 2.5 |
| ECE 545 | 3 | 0.5 |
| ECE 546 | 3 | 1.5 |
| ECE 561/L | 3, 1 | 1 |
| ECE 562 | 3 | 0.5 |
| ECE 572/L | 3, 1 | 1.5 |
| ECE 578 | 3 | 0.25 |
| ECE 580 | 3 | 1.5 |
| ECE 581 | 3 | 1 |