

# B.S.E.E. in Electrical Engineering

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## Degree Requirements

The academic regulations for this degree program, as entered in the University of Mississippi Catalog, are in effect for the current or selected academic year and semester. The University of Mississippi reserves the right to 1) change or withdraw courses; 2) change rules for registration, instruction, and graduation; and 3) change other regulations affecting the student body at any time.

## B.S.E.E. in Electrical Engineering

### General Education

| REQUIREMENT                  | HOURS | DESCRIPTION  |
|------------------------------|-------|--|
| <a href="#">Chem 105</a>     | 3     | Complete <a href="#">Chem 105</a> with a passing grade.  |
| <a href="#">Chem 115</a>     | 1     | Complete <a href="#">Chem 115</a> with a passing grade.  |
| <a href="#">Econ 310</a>     | 3     | Complete <a href="#">Econ 310</a> with a passing grade.  |
| First Year Writing I         | 3     | Complete <a href="#">Hon 101</a> , <a href="#">Writ 100</a> or <a href="#">Writ 101</a> with a passing grade.  |
| First Year Writing II        | 3     | Complete one of the following courses with a passing grade: <a href="#">Liba 102</a> , <a href="#">Writ 102</a> or <a href="#">Hon 102</a> .   |
| <a href="#">Math 261</a>     | 3     | Complete <a href="#">Math 261</a> with a passing grade.  |
| <a href="#">Math 262</a>     | 3     | Complete <a href="#">Math 262</a> with a passing grade.  |
| <a href="#">Math 263</a>     | 3     | Complete <a href="#">Math 263</a> with a passing grade.  |
| <a href="#">Math 264</a>     | 3     | Complete <a href="#">Math 264</a> with a passing grade.  |
| <a href="#">Math 353</a>     | 3     | Complete <a href="#">Math 353</a> with a passing grade.  |
| <a href="#">Phys 211</a>     | 3     | Complete <a href="#">Phys 211</a> with a passing grade.  |
| <a href="#">Phys 212</a>     | 3     | Complete <a href="#">Phys 212</a> with a passing grade.  |
| <a href="#">Phys 221</a>     | 1     | Complete <a href="#">Phys 221</a> with a passing grade.  |
| <a href="#">Phys 222</a>     | 1     | Complete <a href="#">Phys 222</a> with a passing grade.  |
| 3 hrs fine arts/humanities   | 3     | Complete 3 additional hours in any of the humanities or fine arts categories defined by the School of Engineering general education requirements.  |
| 3 hrs fine arts              | 3     | Student must successfully complete 3 hours in the fine arts. The course may be chosen from art history, art appreciation, and criticism of art, dance, music, and theatre arts. Courses emphasizing the enhancement of skills and performance are not acceptable.  |
| 3 hrs general education work | 3     | Complete 3 hrs General Education work chosen from the following: additional fine art, additional social science, additional humanities, <a href="#">As 301</a> , <a href="#">As 302</a> , <a href="#">Bus 250</a> , <a href="#">Bus 271</a> , <a href="#">Edld 110</a> , <a href="#">Edld 111</a> , <a href="#">Edld 120</a> , <a href="#">Edld 220</a> , <a href="#">Engr 400</a> , <a href="#">Mgmt 371</a> , <a href="#">Msl 102</a> , <a href="#">Nsc 211</a> , <a href="#">Spch 102</a> , or <a href="#">Spch 105</a> . |
| 3 hrs humanities             | 3     | Complete 3 hrs of humanities choosing from course work in classics, literature, history, modern language, philosophy, religion, Southern studies, African American Studies, and Gender Studies.  |
| 3 hrs social sciences        | 3     | Complete 3 hours of social sciences choosing from the following; economics, anthropology, political science, psychology, and sociology.  |

### Major Requirements

| REQUIREMENT  | HOURS | DESCRIPTION   |
|--|-------|---|
| <a href="#">El E 100</a> or <a href="#">Engr 100</a> | 3     | Complete <a href="#">El E 100</a> or <a href="#">Engr 100</a> with a passing grade. |
| <a href="#">El E 331</a>                             | 3     | Complete <a href="#">El E 331</a> with a passing grade.                             |
| <a href="#">El E 235</a>                             | 3     | Complete <a href="#">El E 235</a> with a passing grade.                             |
| <a href="#">El E 236</a>                             | 1     | Complete <a href="#">El E 236</a> with a passing grade.                             |
| <a href="#">El E 341</a>                             | 3     | Complete <a href="#">El E 341</a> with a passing grade.                             |
| <a href="#">El E 351</a>                             | 3     | Complete <a href="#">El E 351</a> with a passing grade.                             |
| <a href="#">El E 352</a>                             | 3     | Complete <a href="#">El E 352</a> with a passing grade.                             |



| REQUIREMENT               | HOURS | DESCRIPTION   |
|---------------------------|-------|---|
| <a href="#">El E 353</a>  | 1     | Complete <a href="#">El E 353</a> with a passing grade. |
| <a href="#">El E 385</a>  | 3     | Complete <a href="#">El E 385</a> with a passing grade. |
| <a href="#">El E 367</a>  | 3     | Complete <a href="#">El E 367</a> with a passing grade. |
| <a href="#">El E 386</a>  | 1     | Complete <a href="#">El E 386</a> with a passing grade. |
| <a href="#">El E 391</a>  | 3     | Complete <a href="#">El E 391</a> with a passing grade. |
| <a href="#">El E 431</a>  | 3     | Complete <a href="#">El E 431</a> with a passing grade. |
| <a href="#">El E 461</a>  | 1     | Complete <a href="#">El E 461</a> with a passing grade. |
| <a href="#">El E 462</a>  | 2     | Complete <a href="#">El E 462</a> with a passing grade. |
| <a href="#">Engr 309</a>  | 3     | Complete <a href="#">Engr 309</a> with a passing grade. |
| <a href="#">Engr 310</a>  | 3     | Complete <a href="#">Engr 310</a> with a passing grade. |
| <a href="#">Engr 321</a>  | 3     | Complete <a href="#">Engr 321</a> with a passing grade. |
| <a href="#">Engr 360</a>  | 3     | Complete <a href="#">Engr 360</a> with a passing grade. |
| <a href="#">Engr 361</a>  | 1     | Complete <a href="#">Engr 361</a> with a passing grade. |
| <a href="#">Engr 410</a>  | 4     | Complete <a href="#">Engr 410</a> with a passing grade. |
| School of Engineering GPA |       | Must be at least a 2.0                                  |
| Enroll in a BSEE emphasis |       | Enroll in an emphasis within the BSEE program.          |

### Emphasis - Computer Engineering

| REQUIREMENT               | HOURS | DESCRIPTION   |
|---------------------------|-------|---|
| <a href="#">Csci 111</a>  | 3     | Complete <a href="#">Csci 111</a> with a passing grade.   |
| <a href="#">Csci 112</a>  | 3     | Complete <a href="#">Csci 112</a> with a passing grade.   |
| <a href="#">Csci 211</a>  | 3     | Complete <a href="#">Csci 211</a> with a passing grade.   |
| <a href="#">Csci 223</a>  | 3     | Complete <a href="#">Csci 223</a> with a passing grade.   |
| <a href="#">Csci 423</a>  | 3     | Complete <a href="#">Csci 423</a> with a passing grade.   |
| <a href="#">El E 425</a>  | 3     | Complete <a href="#">El E 425</a> with a passing grade.   |
| <a href="#">El E 485</a>  | 2     | Complete <a href="#">El E 485</a> with a passing grade.   |
| <a href="#">El E 486</a>  | 1     | Complete <a href="#">El E 486</a> with a passing grade.   |
| <a href="#">Math 301</a>  | 3     | Complete <a href="#">Math 301</a> with a passing grade.   |
| 2 hrs technical electives | 2     | Complete 2 hrs technical electives from the following: <a href="#">El E 313</a> , <a href="#">314</a> , <a href="#">413</a> , <a href="#">414</a> , <a href="#">415</a> , <a href="#">433</a> , <a href="#">441</a> , <a href="#">443</a> , <a href="#">451</a> , <a href="#">453</a> , <a href="#">482</a> , <a href="#">487</a> , <a href="#">523</a> , <a href="#">525</a> , <a href="#">533</a> , <a href="#">534</a> , <a href="#">535</a> , <a href="#">586</a> ; <a href="#">Engr 597</a> ; <a href="#">CSci 361</a> , <a href="#">521</a> , <a href="#">530</a> , <a href="#">551</a> , <a href="#">561</a> . |

### Emphasis - General Program

| REQUIREMENT                | HOURS | DESCRIPTION   |
|----------------------------|-------|---|
| <a href="#">Csci 259</a>   | 3     | Complete <a href="#">Csci 259</a> with a passing grade.   |
| <a href="#">Csci 251</a>   | 3     | Complete <a href="#">Csci 251</a> with a passing grade.   |
| <a href="#">El E 447</a>   | 3     | Complete <a href="#">El E 447</a> with a passing grade.   |
| <a href="#">El E 485</a>   | 2     | Complete <a href="#">El E 485</a> with a passing grade.   |
| <a href="#">El E 486</a>   | 1     | Complete <a href="#">El E 486</a> with a passing grade.   |
| 14 hrs technical electives | 14    | Complete 14 hours of technical elective courses. Technical elective courses may be chosen from <a href="#">El E 313</a> , <a href="#">314</a> , <a href="#">413</a> , <a href="#">414</a> , <a href="#">415</a> , <a href="#">425</a> , <a href="#">433</a> , <a href="#">441</a> , <a href="#">443</a> , <a href="#">447</a> , <a href="#">451</a> , <a href="#">453</a> , <a href="#">482</a> , <a href="#">487</a> , <a href="#">523</a> , <a href="#">525</a> , <a href="#">533</a> , <a href="#">534</a> , <a href="#">535</a> , <a href="#">536</a> , <a href="#">586</a> ; <a href="#">Engr 597</a> ; <a href="#">CSci 361</a> , <a href="#">423</a> , <a href="#">521</a> , <a href="#">530</a> , <a href="#">551</a> , <a href="#">561</a> . |

