

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

[Overview](#)

[Degree Requirements](#)

## 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  |
|--------------------------------|-------|--|
| 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> .   |
| 3 hrs fine arts                | 3     | Complete 3 hrs of fine arts with a passing grade chosen from art history, music, dance, and theatre arts. Studio and workshop courses cannot be used to satisfy this requirement. Courses that satisfy this requirement are any Art History (AH); <a href="#">Liba 130</a> , <a href="#">204</a> , <a href="#">314</a> ; <a href="#">Mus 101</a> , <a href="#">102</a> , <a href="#">103</a> , <a href="#">104</a> , <a href="#">105</a> ; <a href="#">Danc 200</a> ; <a href="#">Thea 201</a> , <a href="#">202</a> .   |
| 3 hrs humanities               | 3     | Successfully complete 3 hrs of humanities with a passing grade chosen from the following: African American studies ( <a href="#">Aas 201</a> , <a href="#">202</a> ), classics (Clc), environmental studies ( <a href="#">Envs 101</a> ), gender studies ( <a href="#">G St 201</a> , <a href="#">202</a> ), history (Hst), liberal arts ( <a href="#">Liba 202</a> , <a href="#">305</a> , <a href="#">312</a> ), literature ( <a href="#">Eng 103</a> , <a href="#">220-226</a> ), philosophy (Phil), religion (Rel), Southern studies 100-level, and either <a href="#">Hon 101</a> or <a href="#">102</a> (if not being used to fulfill composition requirements). |
| 3 hrs social sciences          | 3     | Successfully complete 3 hrs of social science with a passing grade chosen from anthropology (Anth), economics (Econ), political science (Pol), psychology (Psy), sociology (Soc), <a href="#">Liba 203</a> , <a href="#">313</a> , or <a href="#">Hon 101</a> , <a href="#">102</a>  |
| <a href="#">Econ 310</a>       | 3     | Complete <a href="#">Econ 310</a> with a passing grade.  |
| 3 hrs FA/Lang/Hum              | 3     | Successfully complete 3 hrs of Fine Arts, Humanities, or Modern language with a passing grade. Modern Language include courses in courses in Ancient Greek (Gr), Arabic (Arab) nd Swahili (Swa). (Japn), Korean (Kor), Latin (Lat), Portuguese (Port), Russian (Russ), Spanish   |
| 3 hrs gen ed, lang, or SS/H/FA | 3     | Complete 3 additional hours with a passing grade of humanities, languages (modern, Greek, or Latin), social science, or a general education course as defined by the School of Engineering   |

### General Education II

| REQUIREMENT              | HOURS | DESCRIPTION   |
|--------------------------|-------|---|
| <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="#">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="#">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. |

### Major Requirements

| REQUIREMENT              | HOURS | DESCRIPTION   |
|--------------------------|-------|---|
| <a href="#">ECE 361</a>  | 1     | Complete <a href="#">ECE 361</a> with a passing grade.  |
| <a href="#">EI E 235</a> | 3     | Complete <a href="#">EI E 235</a> with a passing grade. |
| <a href="#">EI E 236</a> | 1     | Complete <a href="#">EI E 236</a> with a passing grade. |
| <a href="#">EI E 237</a> | 1     | Complete <a href="#">EE 237</a> with a passing grade.   |



| REQUIREMENT               | HOURS | DESCRIPTION   |
|---------------------------|-------|---|
| <a href="#">El E 331</a>  | 3     | Complete <a href="#">El E 331</a> with a passing grade. |
| <a href="#">El E 322</a>  | 1     | Complete <a href="#">El E 322</a> with a passing grade. |
| <a href="#">El E 340</a>  | 3     | Complete <a href="#">El E 340</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. |
| <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 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 447</a>  | 3     | Complete <a href="#">El E 447</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>  | 3     | 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 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. |
| 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="#">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="#">Engr 321</a>                             | 3     | Complete <a href="#">Engr 321</a> with a passing grade.                             |
| <a href="#">Csci 256</a>                             | 3     | Complete <a href="#">Csci 256</a> with a passing grade.                             |
| <a href="#">Csci 356</a>                             | 3     | Complete <a href="#">Csci 356</a> with a passing grade.                             |
| <a href="#">El E 485</a>                             | 2     | Complete <a href="#">El E 485</a> with a passing grade.                             |



| REQUIREMENT                | HOURS | DESCRIPTION   |
|----------------------------|-------|---|
| <a href="#">EI E 486</a>   | 1     | Complete <a href="#">EI 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="#">EI 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> . |

### Emphasis - Manufacturing

| REQUIREMENT                    | HOURS | DESCRIPTION  |
|--------------------------------|-------|--|
| <a href="#">Csci 256</a>       | 3     | Complete <a href="#">Csci 256</a> with a passing grade.  |
| <a href="#">Csci 356</a>       | 3     | Complete <a href="#">Csci 356</a> with a passing grade.  |
| <a href="#">EI E 485</a>       | 2     | Complete <a href="#">EI E 485</a> with a passing grade.  |
| <a href="#">EI E 486</a>       | 1     | Complete <a href="#">EI E 486</a> with a passing grade.  |
| <a href="#">Manf 150</a>       | 1     | Complete <a href="#">Manf 150</a> with a passing grade.  |
| <a href="#">Manf 152</a>       | 1     | Complete <a href="#">Manf 152</a> with a passing grade.  |
| <a href="#">Manf 251</a>       | 3     |  |
| <a href="#">Manf 252</a>       | 1     | Complete <a href="#">Manf 252</a> with a passing grade.  |
| <a href="#">Manf 253</a>       | 3     | Complete <a href="#">Manf 253</a> with a passing grade.  |
| <a href="#">Manf 255</a>       | 1     | Complete <a href="#">Manf 255</a> with a passing grade.  |
| <a href="#">Manf 351</a>       | 1     | Complete <a href="#">Manf 351</a> with a passing grade.  |
| <a href="#">Manf 353</a>       | 3     | Complete <a href="#">Manf 353</a> with a passing grade.  |
| <a href="#">Manf 355</a>       | 1     | Complete <a href="#">Manf 355</a> with a passing grade.  |
| <a href="#">Manf 455</a>       | 3     | Complete <a href="#">Manf 455</a> with a passing grade.  |
| 6 hrs of tech elective courses | 6     | Complete 6 hours of technical elective courses, with a passing grade, to be chosen from <a href="#">EI E 415</a> , <a href="#">425</a> , <a href="#">433</a> , <a href="#">441</a> , <a href="#">443</a> , <a href="#">451</a> , <a href="#">453</a> , <a href="#">481</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> . |

