

# 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
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, 204, 314</a> ; <a href="#">Mus 101, 102, 103, 104, 105</a> ; <a href="#">Danc 200</a> ; <a href="#">Thea 201, 202</a> .
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 humanities	3	Courses may be chosen from African American studies ( <a href="#">AAS 201, 202</a> ); classical civilization (Clc); environmental studies ( <a href="#">Envs 101</a> ); gender studies ( <a href="#">G St 201, 202</a> ); history (Hst); <a href="#">Liba 202, 312, 305</a> ; literature ( <a href="#">Eng 103, 220-226</a> ); philosophy (Phil); religion (Rel); Southern studies 100 level; or <a href="#">Hon 101, 102</a> (if not being used to fulfill composition requirements). Additionally, students of the School of Engineering may count up to 3 credit hours of a language course (modern or Greek or Latin) with a grade of C or better to fulfill a humanities requirement. The course will be entered upon request in the student's degree audit as an approved substitute.
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, 313</a> , or <a href="#">Hon 101, 102</a>
3 hrs gen ed or SS/H/FA	3	Successfully complete 3 hrs General Education work with a passing grade chosen from the following: additional fine art, additional social science, additional humanities, <a href="#">As 301, As 302, Bus 250, Bus 271, Edld 110, Edld 111, Edld 120, Edld 220, Engr 400, Mgmt 371,</a>
<a href="#">Econ 310</a>	3	Complete <a href="#">Econ 310</a> with a passing grade.
<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 331</a>	3	Complete <a href="#">EI E 331</a> with a passing grade.
<a href="#">EL E 340,237</a>	4	Complete <a href="#">EL E 340,237</a> with a passing grade.



REQUIREMENT	HOURS	DESCRIPTION
<a href="#">El E 322</a>	1	Complete <a href="#">El E 322</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 - 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.
<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="#">BME 301</a> , <a href="#">313</a> , <a href="#">314</a> , <a href="#">413</a> ; <a href="#">El 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="#">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="#">Cp E 421</a> , <a href="#">431</a> , <a href="#">432</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> ) for a total of 18 credit hours. A maximum of 6 hrs. of 300+ level courses from CSCI, Math, Phys can be counted as technical electives, subject to approval by the Chair of ECE.

### 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="#">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="#">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	Complete <a href="#">Manf 251</a> with a passing grade.
<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.



REQUIREMENT	HOURS	DESCRIPTION
<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="#">El 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> .

