

# B.S. in 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. in Engineering

### General Education

REQUIREMENT	HOURS	DESCRIPTION
First Year Writing I	3	Successfully complete <a href="#">Hon 101</a> , <a href="#">Writ 100</a> , or <a href="#">Writ 101</a> .
First Year Writing II	3	Successfully complete one of the following courses: Liba 1 <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="#">Chem 105</a>	3	Complete <a href="#">Chem 105</a> with a passing grade.
<a href="#">Chem 106</a>	3	Complete <a href="#">Chem 106</a> with a passing grade.
<a href="#">Chem 115</a>	1	Complete <a href="#">Chem 115</a> with a passing grade.
<a href="#">Chem 116</a>	1	Complete <a href="#">Chem 116</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.
<a href="#">Econ 310</a>	3	Successfully complete <a href="#">Econ 310</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 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 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 social sciences	3	Complete 3 hours of social sciences, excluding <a href="#">Econ 310</a> , choosing from the following; economics, anthropology, political science, psychology, and sociology.
3 hrs gen ed or SS/H/FA	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="#">GB 370</a> , <a href="#">Msl 102</a> , <a href="#">Nsc 211</a> , <a href="#">Spch 102</a> or <a href="#">Spch 105</a> .

## Major Requirements

REQUIREMENT	HOURS	DESCRIPTION
<a href="#">Engr 100</a> or <a href="#">Engr 102</a>	3	Complete <a href="#">Engr 100</a> or <a href="#">Engr 102</a> with a passing grade.
<a href="#">CSci 251</a>	3	Complete <a href="#">CSci 251</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 312</a>	3	Complete <a href="#">Engr 312</a> with a passing grade.



REQUIREMENT	HOURS	DESCRIPTION
<a href="#">Engr 313</a>	3	Complete <a href="#">Engr 313</a> with a passing grade.
<a href="#">Engr 314</a>	1	Complete <a href="#">Engr 314</a> with a passing grade.
<a href="#">Engr 321</a>	3	Complete <a href="#">Engr 321</a> with a passing grade.
<a href="#">Engr 323</a>	3	Complete <a href="#">Engr 323</a> with a passing grade.
<a href="#">Engr 330</a>	3	Complete <a href="#">Engr 330</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 400</a>	1	Complete <a href="#">Engr 400</a> with a passing grade.
<a href="#">Engr 450</a>	3	Complete <a href="#">Engr 450</a> with a passing grade.
<a href="#">Manf 460</a>	3	Complete <a href="#">Manf 460</a> with a passing grade.
12 hrs approved engr electives	12	Complete 12 hours of approved engineering electives with 9 hrs at the 300+ level chosen from: <a href="#">Engr 340</a> , <a href="#">BME 200</a> , <a href="#">BME 222</a> , <a href="#">BME 301</a> , <a href="#">BME 311</a> , <a href="#">BME 313</a> , <a href="#">BME 314</a> , <a href="#">BME 333</a> , <a href="#">BME 350</a> , <a href="#">BME 370</a> , <a href="#">BME 510</a> , <a href="#">BME 523</a> , <a href="#">BME 524</a> , <a href="#">Ch E 307</a> , <a href="#">Ch E 308</a> , <a href="#">Ch E 413</a> , <a href="#">Ch E 520</a> , <a href="#">Ch E 521</a> , <a href="#">Ch E 522</a> , <a href="#">Ch E 523</a> , <a href="#">Ch E 524</a> , <a href="#">C E 207</a> , <a href="#">C E 208</a> , <a href="#">C E 210</a> , <a href="#">C E 325</a> , <a href="#">C E 471</a> , <a href="#">C E 472</a> , <a href="#">Csci 111</a> , <a href="#">Csci 112</a> , <a href="#">Csci 343</a> , <a href="#">EI E 235</a> , <a href="#">EI E 331</a> , <a href="#">G E 305</a> , <a href="#">G E 405</a> , <a href="#">M E 324</a> , <a href="#">M E 325</a> , <a href="#">M E 401</a> , <a href="#">M E 406</a> , and <a href="#">M E 421</a>

### Emphasis - Aerospace Studies

REQUIREMENT	HOURS	DESCRIPTION
21 hrs of AS courses	21	For an emphasis in aerospace studies students must complete 21 hrs from the following: <a href="#">AS 101</a> , <a href="#">AS 102</a> , <a href="#">AS 105</a> , <a href="#">AS 111</a> , <a href="#">AS 112</a> , <a href="#">AS 201</a> , <a href="#">AS 202</a> , <a href="#">AS 211</a> , <a href="#">AS 212</a> , <a href="#">AS 301</a> , <a href="#">AS 302</a> , <a href="#">AS 311</a> , <a href="#">AS 312</a> , <a href="#">AS 401</a> , <a href="#">AS 402</a> , <a href="#">AS 411</a> , and <a href="#">AS 412</a>

### Emphasis - Business Administration

REQUIREMENT	HOURS	DESCRIPTION
<a href="#">Accy 201</a>	3	Complete <a href="#">Accy 201</a> with a passing grade.
<a href="#">Accy 202</a>	3	Complete <a href="#">Accy 202</a> with a passing grade.
<a href="#">Mktg 351</a>	3	Complete <a href="#">Mktg 351</a> with a passing grade.
<a href="#">Fin 331</a>	3	Complete <a href="#">Fin 331</a> with a passing grade.
<a href="#">Mgmt 371</a>	3	Complete <a href="#">Mgmt 371</a> with a passing grade.
<a href="#">Bus 230</a> or <a href="#">Econ 230</a>	3	Complete <a href="#">Bus 230</a> or <a href="#">Econ 230</a> with a passing grade.
<a href="#">Bus 250</a>	3	Complete <a href="#">Bus 250</a> with a passing grade.

### Emphasis - Manufacturing

REQUIREMENT	HOURS	DESCRIPTION
<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 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.
<a href="#">Accy 201</a>	3	Complete <a href="#">Accy 201</a> with a passing grade.
<a href="#">Accy 202</a>	3	Complete <a href="#">Accy 202</a> with a passing grade.

### Emphasis - Military Science



REQUIREMENT	HOURS	DESCRIPTION
21 hrs from selected courses	21	Complete 21 hrs chosen from the following courses: <a href="#">MSL 201</a> , <a href="#">202</a> , <a href="#">203</a> , <a href="#">301</a> , <a href="#">302</a> , <a href="#">340</a> , <a href="#">399</a> , <a href="#">401</a> , <a href="#">402</a> , and <a href="#">ISS 125</a> with a passing grade.

### Emphasis - Naval Science

REQUIREMENT	HOURS	DESCRIPTION
21 hrs from selected courses	21	Complete 24 hrs chosen from the following courses: <a href="#">NSC 211</a> , <a href="#">212</a> , <a href="#">213</a> , <a href="#">215</a> , <a href="#">216</a> , <a href="#">310</a> , <a href="#">312</a> , <a href="#">313</a> , <a href="#">315</a> , <a href="#">316</a> , <a href="#">317</a> , <a href="#">318</a> , <a href="#">320</a> , <a href="#">410</a> , <a href="#">412</a> , <a href="#">413</a> , <a href="#">415</a> , <a href="#">416</a> , <a href="#">417</a> , or <a href="#">NSC 418</a> with a passing grade.

### Emphasis - Pre-Med Studies

REQUIREMENT	HOURS	DESCRIPTION
<a href="#">Bisc 160</a>	3	Complete <a href="#">Bisc 160</a> with a passing grade.
<a href="#">Bisc 161</a>	1	Complete <a href="#">Bisc 161</a> with a passing grade.
<a href="#">Bisc 162</a>	3	Complete <a href="#">Bisc 162</a> with a passing grade.
<a href="#">Bisc 163</a>	1	Complete <a href="#">Bisc 163</a> with a passing grade.
<a href="#">Chem 221</a>	3	Complete <a href="#">Chem 221</a> with a passing grade.
<a href="#">Chem 222</a>	3	Complete <a href="#">Chem 222</a> with a passing grade.
<a href="#">Chem 225</a>	1	Complete <a href="#">Chem 225</a> with a passing grade.
<a href="#">Chem 226</a>	1	Complete <a href="#">Chem 226</a> with a passing grade.
5 hrs Chem/Bisc @ 300+	5	Complete 5 hrs of Chem or Bisc at the 300+ level with a passing grade.

### Standard Option

REQUIREMENT	HOURS	DESCRIPTION
21 hrs approved by Dir of Gen Engr	21	The 21 hours of emphasis courses must be organized around a coherent theme and must be pre-approved by the director of general engineering.

