

# B.S. in 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. 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> .
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 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 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
<a href="#">Econ 310</a>	3	Successfully complete <a href="#">Econ 310</a> .

### 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="#">Chem 106</a>	3	Complete <a href="#">Chem 106</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 221</a>	1	Complete <a href="#">Phys 221</a> with a passing grade.
<a href="#">Phys 212</a>	3	Complete <a href="#">Phys 212</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="#">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 201</a>	3	Complete <a href="#">Engr 201</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 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 431</a>	3	Complete <a href="#">Engr 431</a> with a passing grade.
<a href="#">Engr 451</a>	2	Complete <a href="#">Engr 451</a> with a passing grade.
<a href="#">Engr 452</a>	1	Complete <a href="#">Engr 452</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
18 hrs of AS courses	18	For an emphasis in aerospace studies students must complete 18 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>
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>
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

### 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> or <a href="#">Mgmt 371</a>	3	Complete <a href="#">Mktg 351</a> or <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.
<a href="#">Fin 331</a>	3	Complete <a href="#">Fin 331</a> with a passing grade.
<a href="#">Econ 202</a>	3	Complete <a href="#">Econ 202</a> with a passing grade.
<a href="#">Econ 203</a>	3	Complete <a href="#">Econ 203</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 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.
<a href="#">Manf 255</a>	1	Complete <a href="#">Manf 255</a> with a passing grade.



REQUIREMENT	HOURS	DESCRIPTION
<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="#">Econ 202</a>	3	Complete <a href="#">Econ 202</a> with a passing grade.
<a href="#">Econ 203</a>	3	Complete <a href="#">Econ 203</a> with a passing grade.

### Emphasis - Military Science

REQUIREMENT	HOURS	DESCRIPTION
18 hrs from selected courses	18	Complete 18 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.
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>
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

### Emphasis - Naval Science

REQUIREMENT	HOURS	DESCRIPTION
18 hrs from selected courses	18	Complete 18 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.
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>
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

### 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 225</a>	1	Complete <a href="#">Chem 225</a> with a passing grade.
<a href="#">Chem 222</a>	3	Complete <a href="#">Chem 222</a> with a passing grade.
<a href="#">Chem 226</a>	1	Complete <a href="#">Chem 226</a> with a passing grade.
2 hrs Chem/Bisc @ 300+	2	Complete 2 hrs of Chem or Bisc at the 300+ level with a passing grade.
<a href="#">Psy 201</a>	3	Complete <a href="#">Psy 201</a> with a passing grade.
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

### Standard Option

REQUIREMENT	HOURS	DESCRIPTION
18 hrs approved by Dir of Gen Engr	18	The 18 hours of emphasis courses must be organized around a coherent theme and must be pre-approved by the director of general engineering.
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>
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



### Emphasis - Intelligent Security Studies

REQUIREMENT	HOURS	DESCRIPTION
<a href="#">ISS 125</a> B min (BS ENGR (iss))	3	Complete <a href="#">ISS 125</a> with a grade of B or better.
<a href="#">ISS 351</a> B min (BS ENGR (iss))	3	Complete <a href="#">ISS 351</a> with a grade of B or better.
<a href="#">ISS 352</a> B min (BS ENGR (iss))	3	Complete <a href="#">ISS 352</a> with a grade of B or better.
<a href="#">ISS 490</a> B min (BS ENGR (iss))	3	Complete <a href="#">ISS 490</a> with a grade of B or better.
<a href="#">ISS 499</a> B min (BS ENGR (iss))	3	Complete <a href="#">ISS 499</a> with a grade of B or better.
3 hrs elect - B min (BS ENGR (iss))	3	Complete 3 hrs of electives with a grade of B or better chosen from: <a href="#">ISS 301</a> , <a href="#">360</a> , <a href="#">420</a> , & <a href="#">ISS 480</a> .
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>
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

### Emphasis - Global Security Studies

REQUIREMENT	HOURS	DESCRIPTION
<a href="#">ISS 135</a> C- min (BS ENGR (gss))	3	Complete <a href="#">ISS 135</a> with a grade of C- or better.
<a href="#">ISS 301</a> C- min (BS ENGR (gss))	3	Complete <a href="#">ISS 301</a> with a grade of C- or better.
<a href="#">ISS 351</a> C- min (BS ENGR (gss))	3	Complete <a href="#">ISS 351</a> with a grade of C- or better.
9 hrs elect C- min (BS ENGR (gss))	9	Complete 9 hrs of electives with a grade of C- or better chosen from the following: <a href="#">ISS 125</a> , <a href="#">360</a> , <a href="#">420</a> , <a href="#">480</a> , <a href="#">490</a> , & <a href="#">Pol 335</a> .
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>
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

### Emphasis - Aerospace Engineering

REQUIREMENT	HOURS	DESCRIPTION
<a href="#">Phys 308</a>	3	Complete <a href="#">Phys 308</a> with a passing grade.
9 hrs ae electives (BS Engr (ae))	9	Complete 9 hrs of electives with a passing grade chosen from the following: <a href="#">CSci 111</a> , <a href="#">112</a> , <a href="#">325</a> , <a href="#">356</a> <a href="#">ISS 125</a> , <a href="#">EIE 235</a> , <a href="#">236</a> , <a href="#">Phys 310</a> , <a href="#">C E 310</a> , and <a href="#">M E 527</a> .
6 hrs general electives	6	Complete 6 hrs of electives of your choice.
<a href="#">Ch E 316</a>	3	Complete <a href="#">Ch E 316</a> with a passing grade. This course is meant to share with Engineering electives.
<a href="#">M E 401</a>	3	Complete <a href="#">M E 401</a> with a passing grade. This course is intended to share with Engineering Electives.
<a href="#">M E 402</a>	3	Complete <a href="#">M E 402</a> with a passing grade. This course is intended to share with Engineering electives.
<a href="#">M E 529</a>	3	Complete <a href="#">M E 529</a> with a passing grade. This course is intended to share with Engineering Electives.
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>
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

### Emphasis - Entrepreneurship

REQUIREMENT	HOURS	DESCRIPTION
<a href="#">Accy 201</a> (BS Engr (entr))	3	Complete <a href="#">Accy 201</a> with a passing grade.
<a href="#">Accy 202</a> (BS Engr (entr))	3	Complete <a href="#">Accy 202</a> with a passing grade.
12 hrs elect (BS Engr (entr))	12	Complete 4 courses chosen from the following; <a href="#">ENT 321</a> , <a href="#">331</a> , <a href="#">351</a> , <a href="#">352</a> , <a href="#">356</a> , <a href="#">381</a> , <a href="#">382</a> , <a href="#">386</a> , <a href="#">387</a> , <a href="#">388</a> , <a href="#">396</a> , <a href="#">411</a> , <a href="#">412</a> , <a href="#">422</a> , <a href="#">426</a> , <a href="#">436</a> , <a href="#">446</a> , <a href="#">456</a> , <a href="#">466</a> , <a href="#">476</a> , <a href="#">486</a> , <a href="#">GB 350</a> , <a href="#">370</a> . Any other ENT prefix course will count for the emphasis as well as approved <a href="#">BUS 380</a> & <a href="#">BUS 400</a> courses (study abroad and internships) at management department discretion.
<a href="#">Econ 202</a>	3	Complete <a href="#">Econ 202</a> with a passing grade.



REQUIREMENT	HOURS	DESCRIPTION
<a href="#">Econ 203</a>	3	Complete <a href="#">Econ 203</a> with a passing grade.

