

# B.S.M.E. in Mechanical 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.M.E. in Mechanical 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.
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	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 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</a> , <a href="#">202</a> ); classical civilization (Clc); environmental studies ( <a href="#">Envs 101</a> ); gender studies ( <a href="#">G St 201</a> , <a href="#">202</a> ); history (Hst); <a href="#">Liba 202</a> , <a href="#">312</a> , <a href="#">305</a> ; literature ( <a href="#">Eng 103</a> , <a href="#">220-226</a> ); philosophy (Phil); religion (Rel); Southern studies 100 level; or <a href="#">Hon 101</a> , <a href="#">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</a> , <a href="#">313</a> , or <a href="#">Hon 101</a> , <a href="#">102</a>

### General Education (non-emphasis)

REQUIREMENT	HOURS	DESCRIPTION
<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.
3 add'l hrs social science	3	Complete 3 additional hours of social sciences choosing from the following; economics, anthropology, political science, psychology, and sociology.
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> , or <a href="#">Spch 105</a> .

### Major Requirements

REQUIREMENT	HOURS	DESCRIPTION
<a href="#">M E 201</a>	2	Complete <a href="#">M E 201</a> with a passing grade.



REQUIREMENT	HOURS	DESCRIPTION
<a href="#">M E 324</a>	3	Complete <a href="#">M E 324</a> with a passing grade.
<a href="#">M E 325</a>	3	Complete <a href="#">M E 325</a> with a passing grade.
<a href="#">M E 401</a>	3	Complete <a href="#">M E 401</a> with a passing grade.
<a href="#">M E 416</a>	1	Complete <a href="#">M E 416</a> with a passing grade.
<a href="#">M E 419</a>	1	Complete <a href="#">M E 419</a> with a passing grade.
<a href="#">M E 426</a>	3	Complete <a href="#">M E 426</a> with a passing grade.
<a href="#">M E 428</a>	3	Complete <a href="#">M E 428</a> with a passing grade.
<a href="#">M E 438</a>	3	Complete <a href="#">M E 438</a> with a passing grade.
School of Engineering GPA		Must be at least a 2.0

### Major Requirements II

REQUIREMENT	HOURS	DESCRIPTION
<a href="#">Csci 251</a>	3	Complete <a href="#">Csci 251</a> with a passing grade.
<a href="#">Econ 310</a>	3	Complete <a href="#">Econ 310</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> or <a href="#">Math 375</a>	3	Complete <a href="#">Engr 310</a> or <a href="#">Math 375</a> with a passing grade.
<a href="#">Engr 312</a>	3	Complete <a href="#">Engr 312</a> with a passing grade.
<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 420</a>	3	Complete <a href="#">Engr 420</a> with a passing grade.
<a href="#">Engr 553</a>	3	Complete <a href="#">Engr 553</a> with passing grade

### Non-specialization Requirements

REQUIREMENT	HOURS	DESCRIPTION
<a href="#">Engr 361</a>	1	Complete <a href="#">Engr 361</a> with a passing grade.
<a href="#">M E 101</a>	1	Complete <a href="#">M E 101</a> with a passing grade.
<a href="#">M E 402</a>	3	Complete <a href="#">M E 402</a> with a passing grade.
Thermal/Fluid tech elective	3	Complete either <a href="#">M E 406</a> , <a href="#">M E 529</a> , or <a href="#">Engr 551</a> with a passing grade.
Design tech elective	3	Complete one of the following electives with a passing grade: <a href="#">M E 406</a> , <a href="#">M E 417</a> , <a href="#">M E 418</a> , <a href="#">M E 422</a> , <a href="#">M E 523</a> , <a href="#">M E 524</a> , <a href="#">M E 526</a> , <a href="#">M E 527</a> , <a href="#">M E 531</a> , <a href="#">M E 534</a> , <a href="#">M E 535</a> , <a href="#">M E 538</a> , <a href="#">M E 540</a> , <a href="#">M E 541</a> , <a href="#">M E 555</a> or <a href="#">Engr 559</a> .
Tech elective	3	Choose a third technical elective from any of the Thermal/Fluid Elective courses, Design Elective courses or Other Electives including <a href="#">M E 417</a> , <a href="#">418</a> , <a href="#">421</a> , <a href="#">521</a> , <a href="#">522</a> , <a href="#">523</a> , <a href="#">524</a> , <a href="#">529</a> , <a href="#">530</a> , <a href="#">532</a> , <a href="#">533</a> , <a href="#">537</a> , <a href="#">543</a> , <a href="#">Engr 410</a> , <a href="#">515</a> , <a href="#">523</a> , <a href="#">546</a> , <a href="#">554</a> , <a href="#">558</a> , <a href="#">559</a> , <a href="#">585</a> , <a href="#">590</a> , <a href="#">593</a> .

### Emphasis - Manufacturing

REQUIREMENT	HOURS	DESCRIPTION
<a href="#">Bus 250</a>	3	Complete <a href="#">Bus 250</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.



REQUIREMENT	HOURS	DESCRIPTION
<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.
2 Manf Technical electives	6	Choose two electives from the following courses: <a href="#">M E 402</a> , <a href="#">406</a> , <a href="#">417</a> , <a href="#">418</a> , <a href="#">421</a> , <a href="#">422</a> , <a href="#">521</a> , <a href="#">522</a> , <a href="#">523</a> , <a href="#">524</a> , <a href="#">526</a> , <a href="#">527</a> , <a href="#">529</a> , <a href="#">530</a> , <a href="#">531</a> , <a href="#">532</a> , <a href="#">533</a> , <a href="#">534</a> , <a href="#">535</a> , <a href="#">537</a> , <a href="#">538</a> , <a href="#">540</a> , <a href="#">541</a> , <a href="#">543</a> , <a href="#">555</a> ; <a href="#">Engr 410</a> , <a href="#">496</a> , <a href="#">515</a> , <a href="#">558</a> , <a href="#">559</a> , <a href="#">585</a> , <a href="#">590</a> , <a href="#">593</a> ; <a href="#">Fin 331</a> ; <a href="#">Mgmt 371</a> , <a href="#">372</a> , <a href="#">383</a> , <a href="#">466</a> , <a href="#">476</a> ; <a href="#">Bus 322</a> ; <a href="#">Mktg 351</a> ; <a href="#">GB 350</a> , <a href="#">370</a> ; or <a href="#">Manf 460</a> , <a href="#">465</a> , <a href="#">470</a>

