

# B.S.M.E. in Mechanical 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.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/humanities | 3     | Complete 3 hours of humanities or fine arts choosing from course work in classics, literature, history, modern language, philosophy, religion, Southern studies, African American Studies, and Gender Studies; 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            | 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 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 social science       | 3     | Complete 3 hours of social sciences choosing from the following; economics, anthropology, political science, psychology, and sociology.   |

### 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 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. |

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| REQUIREMENT               | HOURS | DESCRIPTION  |
|---------------------------|-------|--|
| <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="#">M E 201</a>                              | 2     | Complete <a href="#">M E 201</a> with a passing grade.  |
| <a href="#">Engr 361</a>                             | 1     | Complete <a href="#">Engr 361</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="#">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>   | 2     | 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> |

