

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 |
|--------------------------|-------|--|
| First Year Writing I | 3 | Complete Hon 101 , Writ 100 or Writ 101 with a passing grade. |
| First Year Writing II | 3 | Complete one of the following courses with a passing grade: Liba 102 , Writ 102 or Hon 102 . |
| 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); Liba 130 , 204 , 314 ; Mus 101 , 102 , 103 , 104 , 105 ; Danc 200 ; Thea 201 , 202 . |
| 3 hrs humanities | 3 | Successfully complete 3 hrs of humanities with a passing grade chosen from the following: African American studies (Aas 201 , 202), classics (Clc), environmental studies (Envs 101), gender studies (G-St 201 , 202), history (Hst), liberal arts (Liba 202 , 305 , 312), literature (Eng 103 , 220-226), philosophy (Phil), religion (Rel), Southern studies 100-level, and either Hon 101 or 102 (if not being used to fulfill composition requirements). |
| 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), Liba 203 , 313 , or Hon 101 , 102 |
| 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 Ancient Greek (Gr), Arabic (Arab) nd Swahili (Swa). (Japn), Korean (Kor), Latin (Lat), Portuguese (Port), Russian (Russ), Spanish |
| Econ 310 | 3 | Complete Econ 310 with a passing grade. |

General Education II

| REQUIREMENT | HOURS | DESCRIPTION |
|--------------------------|-------|---|
| Math 261 | 3 | Complete Math 261 with a passing grade. |
| Math 262 | 3 | Complete Math 262 with a passing grade. |
| Math 263 | 3 | Complete Math 263 with a passing grade. |
| Math 264 | 3 | Complete Math 264 with a passing grade. |
| Math 353 | 3 | Complete Math 353 with a passing grade. |
| Chem 105 | 3 | Complete Chem 105 with a passing grade. |
| Chem 115 | 1 | Complete Chem 115 with a passing grade. |
| Phys 211 | 3 | Complete Phys 211 with a passing grade. |
| Phys 221 | 1 | Complete Phys 221 with a passing grade. |
| Phys 212 | 3 | Complete Phys 212 with a passing grade. |
| Phys 222 | 1 | Complete Phys 222 with a passing grade. |

General Education (non-emphasis)

| REQUIREMENT | HOURS | DESCRIPTION |
|--------------------------------|-------|--|
| Chem 106 | 3 | Complete Chem 106 with a passing grade. |
| Chem 116 | 1 | Complete Chem 116 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 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 |



Major Requirements

| REQUIREMENT | HOURS | DESCRIPTION |
|---------------------------|-------|--|
| M E 201 | 2 | Complete M E 201 with a passing grade. |
| M E 324 | 3 | Complete M E 324 with a passing grade. |
| M E 325 | 3 | Complete M E 325 with a passing grade. |
| M E 401 | 3 | Complete M E 401 with a passing grade. |
| M E 416 | 1 | Complete M E 416 with a passing grade. |
| M E 419 | 1 | Complete M E 419 with a passing grade. |
| M E 426 | 3 | Complete M E 426 with a passing grade. |
| M E 428 | 3 | Complete M E 428 with a passing grade. |
| M E 438 | 3 | Complete M E 438 with a passing grade. |
| School of Engineering GPA | | Must be at least a 2.0 |

Major Requirements II

| REQUIREMENT | HOURS | DESCRIPTION |
|--|-------|---|
| Csci 251 | 3 | Complete Csci 251 with a passing grade. |
| Engr 309 | 3 | Complete Engr 309 with a passing grade. |
| Engr 310 or Math 375 | 3 | Complete Engr 310 or Math 375 with a passing grade. |
| Engr 312 | 3 | Complete Engr 312 with a passing grade. |
| Engr 313 | 3 | Complete Engr 313 with a passing grade. |
| Engr 314 | 1 | Complete Engr 314 with a passing grade. |
| Engr 321 | 3 | Complete Engr 321 with a passing grade. |
| Engr 323 | 3 | Complete Engr 323 with a passing grade. |
| Engr 330 | 3 | Complete Engr 330 with a passing grade. |
| Engr 360 | 3 | Complete Engr 360 with a passing grade. |
| Engr 420 | 3 | Complete Engr 420 with a passing grade. |
| Engr 553 | 3 | Complete Engr 553 with passing grade |

Non-specialization Requirements

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

Emphasis - Manufacturing

| REQUIREMENT | HOURS | DESCRIPTION |
|--------------------------|-------|---|
| Bus 250 | 3 | Complete Bus 250 with a passing grade. |
| Manf 150 | 1 | Complete Manf 150 with a passing grade. |
| Manf 152 | 1 | Complete Manf 152 with a passing grade. |



| REQUIREMENT | HOURS | DESCRIPTION |
|----------------------------|-------|--|
| Manf 251 | 3 | Complete Manf 251 with a passing grade. |
| Manf 252 | 1 | Complete Manf 252 with a passing grade. |
| Manf 253 | 3 | Complete Manf 253 with a passing grade. |
| Manf 255 | 1 | Complete Manf 255 with a passing grade. |
| Manf 351 | 1 | Complete Manf 351 with a passing grade. |
| Manf 353 | 3 | Complete Manf 353 with a passing grade. |
| Manf 355 | 1 | Complete Manf 355 with a passing grade. |
| Manf 455 | 3 | Complete Manf 455 with a passing grade. |
| 2 Manf Technical electives | 6 | Choose two electives from the following courses: M E 402 , 406 , 417 , 418 , 421 , 422 , 521 , 522 , 523 , 524 , 526 , 527 , 529 , 530 , 531 , 532 , 533 , 534 , 535 , 537 , 538 , 540 , 541 , 543 , 555 ; Engr 410 , 496 , 515 , 558 , 559 , 585 , 590 , 593 ; Fin 331 ; Mgmt 371 , 372 , 383 , 466 , 476 ; Bus 322 ; Mktg 351 ; GB 350 , 370 ; or Manf 460 , 465 , 470 |

