

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 Hon 101 , Writ 100 , or Writ 101 . |
| First Year Writing II | 3 | Successfully complete one of the following courses: Liba 1 Writ 102 or Hon 102 . |
| 3 hrs humanities | 3 | Courses may be chosen from African American studies (AAS 201 , 202); classical civilization (Clc); environmental studies (Envs 101); gender studies (G St 201 , 202); history (Hst); Liba 202 , 312 , 305 ; literature (Eng 103 , 220-226); philosophy (Phil); religion (Rel); Southern studies 100 level; or Hon 101 , 102 (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 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 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 |
| Econ 310 | 3 | Successfully complete Econ 310 . |
| 3 hrs gen ed or SS/H/FA | 3 | Successfully complete 3 hrs General Education work with a passing grade chosen from the following: additional fine art, additional social science, additional humanities, As 301 , As 302 , Bus 250 , Bus 271 , Edld 110 , Edld 111 , Edld 120 , Edld 220 , Engr 400 , Mgmt 371 . |
| 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. |
| 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 106 | 3 | Complete Chem 106 with a passing grade. |
| Chem 115 | 1 | Complete Chem 115 with a passing grade. |
| Chem 116 | 1 | Complete Chem 116 with a passing grade. |
| Phys 211 | 3 | Complete Phys 211 with a passing grade. |
| Phys 212 | 3 | Complete Phys 212 with a passing grade. |
| Phys 221 | 1 | Complete Phys 221 with a passing grade. |
| Phys 222 | 1 | Complete Phys 222 with a passing grade. |

Major Requirements

| REQUIREMENT | HOURS | DESCRIPTION |
|--|-------|---|
| Engr 100 or Engr 102 | 3 | Complete Engr 100 or Engr 102 with a passing grade. |
| CSci 251 | 3 | Complete CSci 251 with a passing grade. |
| Engr 309 | 3 | Complete Engr 309 with a passing grade. |



| REQUIREMENT | HOURS | DESCRIPTION |
|--------------------------------|-------|---|
| Engr 310 | 3 | Complete Engr 310 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 361 | 1 | Complete Engr 361 with a passing grade. |
| Engr 400 | 1 | Complete Engr 400 with a passing grade. |
| Engr 450 | 3 | Complete Engr 450 with a passing grade. |
| Manf 460 | 3 | Complete Manf 460 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: Engr 340 , BME 200 , BME 222 , BME 301 , BME 311 , BME 313 , BME 314 , BME 333 , BME 350 , BME 370 , BME 510 , BME 523 , BME 524 , Ch E 307 , Ch E 308 , Ch E 413 , Ch E 520 , Ch E 521 , Ch E 522 , Ch E 523 , Ch E 524 , C E 207 , C E 208 , C E 210 , C E 325 , C E 471 , C E 472 , Csci 111 , Csci 112 , Csci 343 , EI E 235 , EI E 331 , G E 305 , G E 405 , M E 324 , M E 325 , M E 401 , M E 406 , and M E 421 |

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: AS 101 , AS 102 , AS 105 , AS 111 , AS 112 , AS 201 , AS 202 , AS 211 , AS 212 , AS 301 , AS 302 , AS 311 , AS 312 , AS 401 , AS 402 , AS 411 , and AS 412 |

Emphasis - Business Administration

| REQUIREMENT | HOURS | DESCRIPTION |
|---|-------|--|
| Accy 201 | 3 | Complete Accy 201 with a passing grade. |
| Accy 202 | 3 | Complete Accy 202 with a passing grade. |
| Mktg 351 | 3 | Complete Mktg 351 with a passing grade. |
| Fin 331 | 3 | Complete Fin 331 with a passing grade. |
| Mgmt 371 | 3 | Complete Mgmt 371 with a passing grade. |
| Bus 230 or Econ 230 | 3 | Complete Bus 230 or Econ 230 with a passing grade. |
| Bus 250 | 3 | Complete Bus 250 with a passing grade. |

Emphasis - Manufacturing

| REQUIREMENT | HOURS | DESCRIPTION |
|--------------------------|-------|---|
| Manf 150 | 1 | Complete Manf 150 with a passing grade. |
| Manf 152 | 1 | Complete Manf 152 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. |
| Accy 201 | 3 | Complete Accy 201 with a passing grade. |



| REQUIREMENT | HOURS | DESCRIPTION |
|--------------------------|-------|---|
| Accy 202 | 3 | Complete Accy 202 with a passing grade. |

Emphasis - Military Science

| REQUIREMENT | HOURS | DESCRIPTION |
|------------------------------|-------|--|
| 21 hrs from selected courses | 21 | Complete 21 hrs chosen from the following courses: MSL 201 , 202 , 203 , 301 , 302 , 340 , 399 , 401 , 402 , and ISS 125 with a passing grade. |

Emphasis - Naval Science

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

Emphasis - Pre-Med Studies

| REQUIREMENT | HOURS | DESCRIPTION |
|--------------------------|-------|--|
| Bisc 160 | 3 | Complete Bisc 160 with a passing grade. |
| Bisc 161 | 1 | Complete Bisc 161 with a passing grade. |
| Bisc 162 | 3 | Complete Bisc 162 with a passing grade. |
| Bisc 163 | 1 | Complete Bisc 163 with a passing grade. |
| Chem 221 | 3 | Complete Chem 221 with a passing grade. |
| Chem 222 | 3 | Complete Chem 222 with a passing grade. |
| Chem 225 | 1 | Complete Chem 225 with a passing grade. |
| Chem 226 | 1 | Complete Chem 226 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. |

