

Emphasis - Pre-Med Studies

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B.S. in Engineering Description

The B.S. in engineering provides the student with a fundamental knowledge of engineering science and prepares graduates for a variety of careers in industry and government, or for advanced study in engineering, business, or professional school.

Minimum Total Credit Hours: 127 **General Education Requirements**

- Writ 101 and 102
- 3 hours of fine arts
- 3 hours of humanities
- 3 hours of fine arts or humanities
- 3 hours of social science
- 3 additional hours of humanities, social science, or a general education course as defined by the School of Engineering
- Econ 310
- Math 261, 262, 263, 264, and 353
- Chem 105, 106, 115, 116
- Phys 211, 212, 221, 222

Course Requirements

- Engr 100 or Engr 102,
- Engr 309, 310, 313, 314, 321, 323, 330, 360, 361, 400, and Engr 450
- Manf 460
- 12 hours of engineering electives
 - 3 hours of which must be above the 200 level and
 - 9 hours of which must be above the 300 level

Emphasis - Pre-Med Studies Description

An emphasis in pre-med studies is intended to prepare students for further study in medical school.

Course Requirements

For an emphasis in pre-med studies, students must complete the following 24 hours:

- Bisc 160 (3)
- Bisc 161 (1)
- Bisc 162 (3)
- Bisc 163 (1)
- Chem 221 (3)
- Chem 225 (1)
- Chem 222 (3)
- Chem 226 (1)
- 8 hours of 300+ level Chem, Bisc, or Psy.

Additionally, students must take Psy 201 (3), which may count as a social science elective.

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	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.



REQUIREMENT	HOURS	DESCRIPTION
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 Fine Art or Humanities	3	Complete 3 hrs of humanities or fine arts.
3 hrs social sciences	3	Complete 3 hours of social sciences, excluding Econ 310 , choosing from the following; economics, anthropology, political science, psychology, and sociology.
Econ 310	3	Successfully complete Econ 310 .
3 hrs gen ed or SS/H/FA	3	Complete 3 hrs General Education work 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 , GB 370 , Msl 102 , Nsc 211 , Spch 102 or Spch 105 .
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.
Engr 309	3	Complete Engr 309 with a passing grade.
Engr 310	3	Complete Engr 310 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.
3 hrs SOE technical electives	3	Complete at least 3 hours of additional coursework offered by the School of Engineering at the 200-level or above with a passing grade.
9 hrs SOE tech elect @ 300+	9	Complete at least 9 hours of additional coursework offered by the School of Engineering at the 300-level or above 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.
8 hrs Chem/Bisc/Psy @ 300+	8	Complete 8 hrs of Chem, Bisc, or Psy at the 300+ level with a passing grade.

