Emphasis - Business Administration

- B.S. in Engineering
- Emphasis - Business Administration
- Degree Requirements

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

Goals/Mission Statement

Program Educational Objectives
Graduates from the program, within 3-5 years after graduation, will:

- Meet or exceed the expectations of employers of general engineers;
- Continue their professional development by pursuing advanced study, including licensure and certifications if they so desire; and
- Continue their professional development by pursuing leadership opportunities and other positions of service in their profession and/or communities.

Student Outcomes
BSE students at the University of Mississippi should demonstrate the attainment of the following student outcomes:

1. An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics
2. An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors
3. An ability to communicate effectively with a range of audiences
4. An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgements, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts
5. An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives
6. An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgement to draw conclusions
7. An ability to acquire and apply new knowledge as needed, using appropriate learning strategies

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
- Csci 251
- Engr 309, 310, 312, 313, 314, 321, 323, 330, 360, 361, 400, and Engr 450
- Manf 460
- 12 hours of approved engineering electives
  - 3 hours of which must be above the 200 level and
  - 9 hours of which must be above the 300 level
- The pre-approved engineering electives are 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, El E 235, El E 331, G E 305, G E 405, M E 324, M E 325, M E 401, M E 406, and M E 421. Engineering courses not included in this list must be pre-approved by the director of general engineering

Emphasis - Business Administration

Description
For students earning an emphasis in business administration, coursework is designed to prepare them for an MBA graduate program.

Course Requirements
For an emphasis in business administration, students must complete the following 21 hours:
Courses may be chosen from art history, music, dance, and theatre arts. Studio and workshop courses cannot be used to complete 3 additional hours in any of the humanities or fine arts categories defined by the School of Engineering general education 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.

The B.S. in Engineering Major Requirements include:

- **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.

The University of Mississippi is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award certificates and baccalaureate, master’s, specialist, and doctoral degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097, call 404-679-4500, or visit online at www.sacscoc.org for questions about the accreditation.
<table>
<thead>
<tr>
<th>REQUIREMENT</th>
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<tbody>
<tr>
<td>Engr 309</td>
<td>3</td>
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<td>Engr 321</td>
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<td>Engr 361</td>
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<td>Complete Engr 361 with a passing grade.</td>
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<td>Engr 400</td>
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<td>Complete Engr 400 with a passing grade.</td>
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<tr>
<td>Manf 460</td>
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<td>Complete Manf 460 with a passing grade.</td>
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**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, El E 235, El E 331, G E 305, G E 405, M E 324, M E 325, M E 401, M E 406, and M E 421

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<td>Accy 201</td>
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<td>Complete Accy 201 with a passing grade.</td>
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<td>Complete Accy 202 with a passing grade.</td>
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<tr>
<td>Mktg 351</td>
<td>3</td>
<td>Complete Mktg 351 with a passing grade.</td>
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<td>Fin 331</td>
<td>3</td>
<td>Complete Fin 331 with a passing grade.</td>
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<td>Mgmt 371</td>
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<td>Complete Mgmt 371 with a passing grade.</td>
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<tr>
<td>Bus 230</td>
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| Bus 250     | 3     | Complete Bus 250 with a passing grade.