B.S.B.E. in Biomedical Engineering

Overview
Degree Requirements

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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.

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General Education

REQUIREMENT	HOURS	DESCRIPTION
First Year Writing I	3	Successfully complete Hon 101, Writ 100, or Writ 101 with a passing grade.
First Year Writing II	3	Successfully complete one of the following courses with a passing grade: Writ 102, Liba 102, Hon 102.
Math 262	3	Complete Math 262 with a passing grade.
Math 261	3	Complete Math 261 with a passing grade.
6-8 hrs science	6	Complete 6 hours of laboratory science.
2 science labs	8	Successfully complete at least two science laboratory courses.
3 hrs social sciences	3	Complete 3 hours of social sciences choosing from the following; economics, anthropology, political science, psychology, and sociology.
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, Gender Studies, and Southern Studies.
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 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.
Econ 310	3	Successfully complete Econ 310 with a passing grade.

Major Requirements

REQUIREMENT	HOURS	DESCRIPTION
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 221	3	Complete Chem 221 with a passing grade.
Chem 225	1	Complete Chem 225 with a passing grade.
Bisc 160	3	Complete Bisc 160 with a passing grade.
Bisc 161	1	Complete Bisc 161 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.
Csci 251	3	Complete Csci 251 with a passing grade.
Ch E 307	2	Complete Ch E 307 with a passing grade.
Ch E 308	2	Complete Ch E 308 with a passing grade.

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REQUIREMENT	HOURS	DESCRIPTION
BME 313	3	Complete BME 313 with a passing grade.
BME 314	1	Complete BME 314 with a passing grade.
El E 331	3	Complete El E 331 with a passing grade.
Engr 310	3	Complete Engr 310 with a passing grade.
Engr 360	3	Complete Engr 360 with a passing grade.
Engr 400	1	Complete Engr 400 with a passing grade.
BME 200	2	Complete BME 200 with a passing grade.
BME 462	2	Complete BME 462 with a passing grade.
BME 461	2	Complete BME 461 with a passing grade.
BME 444	3	Complete BME 444 with a passing grade.
BME 333	3	Complete BME 333 with a passing grade.
BME 222	3	Complete BME 222 with a passing grade.

Emphasis - Biomolecular

REQUIREMENT	HOURS	DESCRIPTION
Bisc 162	3	Complete Bisc 162 with a passing grade.
Bisc 163	1	Complete Bisc 163 with a passing grade.
Bisc 333	4	Complete Bisc 333 with a passing grade.
Ch E 417	3	Complete Ch E 417 with a passing grade.
Ch E 421	3	Complete Ch E 421 with a passing grade.
Ch E 520	3	Complete Ch E 520 with a passing grade.
Ch E 545	3	Complete Ch E 545 with a passing grade.
3 hrs engineering elective	3	Complete 3 hours of engineering electives with a passing grade.
9 hrs emphasis elective	9	Complete 9 hours of emphasis electives with a passing grade.

Emphasis - Biomedical

REQUIREMENT	HOURS	DESCRIPTION
Engr 361	1	Complete Engr 361 with a passing grade.
Engr 309	3	Complete Engr 309 with a passing grade.
Engr 312	3	Complete Engr 312 with a passing grade.
M E 325	3	Complete M E 325 with a passing grade.
BME 311	3	Complete BME 311 with a passing grade.
BME 301	3	Complete BME 301 with a passing grade.
3 hrs tech elective	3	Complete an engineering tech elective with a passing grade.
9 hrs emphasis electives	9	Complete 9 hours of emphasis electives with a passing grade.

Emphasis - Bioinformatics

REQUIREMENT	HOURS	DESCRIPTION
Bisc 162	3	Complete Bisc 162 with a passing grade.
Bisc 163	1	Complete Bisc 163 with a passing grade.
Bisc 336	4	Complete Bisc 336 with a passing grade.
Csci 343	3	Complete Csci 343 with a passing grade.
Csci 475	3	Complete Csci 475 with a passing grade.

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REQUIREMENT	HOURS	DESCRIPTION
6 hrs Csci elective	6	Complete 6 hrs from the following with a passing grade: Csci 345, CSci 356, Csci 443, Csci 444, Csci 447, or Csci 547.
6 hrs engineering electives	6	Complete 6 hours of engineering electives with a passing grade.
9 hrs emphasis electives	9	Complete 9 hours of emphasis electives with a passing grade.

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