

# Emphasis - Aerospace Studies

B.E. in Engineering

Emphasis - Aerospace Studies

Degree Requirements

# B.E. in Engineering

The B.E. program is more broadly focused than the B.S. in engineering science programs. The B.E. is designed to provide students the opportunity to gain an understanding of engineering, scientific, and technical knowledge, which will enhance their career objectives in such areas as engineering science, medicine, law, professional education, public policy, military, management, and sales.

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

Students must complete at least 18 semester hours of general education requirements: 3 hours in humanities, 3 hours in fine arts, 3 hours in humanities/fine arts, 6 hours in social science, and the remaining 3 hours can be in any of the humanities/fine arts, social science, or general education courses as specified by the School of Engineering.

## **Course Requirements**

Candidates for the B.E. degree must complete the following courses: Writ 100, Writ 101, or Hon 101; Writ 102, Liba 102, or Hon 102; Math 261, 262, 263, 264, 353; Chem 105, 106, 115, 116, and Phys 211, 212, 221, 222; Csci 251; Engr 100, 309, 310, 313, 314, 321, 323, 330, 360, 361, 400, 450; Manf 460; 9 hours of technical engineering electives; Econ 310; 3 hours in humanities, 3 hours in fine arts, 3 hours in humanities/fine arts, 3 hours in social science, and the remaining 3 hours can be in any of the humanities/fine arts, social science, or general education courses as specified by the School of Engineering; 27 hours of an approved emphasis area. The qualifications for the 9 hours of technical electives: any combination of courses offered by the School of Engineering with one course at the 200 level or higher and at least two courses at the 300 level or higher, for a combined total of 9 credit hours. For students in the 3+3 pre-law studies emphasis, Law 515 and Law 568 will count as 6 hours toward the 9 hours of technical electives. Those courses will substitute for a 200 level or higher and one 300 level or higher course.

### **Other Academic Requirements**

Students must maintain at least a 2.0 GPA in the emphasis classes for graduation.

#### **Emphasis - Aerospace Studies** Description

Students seeking an emphasis in aerospace studies will be assigned an adviser in both the Department of Aerospace Studies and School of Engineering.

### **Course Requirements**

Candidates for the B.E. degree with an emphasis in aerospace studies must complete 27 hours in the aerospace studies emphasis area from the following courses: AS 101 (1), AS 102 (1), AS 111 (1), AS 112 (1), AS 201 (1), AS 202 (1), AS 211 (1), AS 212 (1), AS 301 (3), AS 302 (3), AS 311 (1), AS 312 (1), AS 401 (3), AS 402 (3), AS 411 (1), AS 412 (1), ISS 125 (3).

# **Degree Requirements**

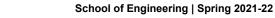
The academic regulations for this degree program, as entered in the University of Mississippi Catalog, are in effect for the current or selected academic year and semester. The University of Mississippi reserves the right to 1) change or withdraw courses; 2) change rules for registration, instruction, and graduation; and 3) change other regulations affecting the student body at any time.

#### **B.E. in Engineering** General Education

REQUIREMENT	HOURS	DESCRIPTION		
First Year Writing	6	Complete Hon 101, Writ 100, or Writ 101. and Complete one of the following courses: Liba 102, 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.		
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 ar 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 gene education requirements.		
3 hrs social sciences	3	Complete 3 hours of social sciences, excluding <u>Econ 310</u> , choosing from the following; economics, anthropology, politi science, psychology, and sociology.		
Econ 310 as SS	3	Complete Econ 310 with a passing grade.		
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, add humanities, <u>As 301</u> , <u>As 302</u> , <u>Bus 250</u> , <u>Bus 271</u> , <u>EdId 110</u> , <u>EdId 111</u> , <u>EdId 120</u> , <u>EdId 220</u> , <u>Mgmt 371</u> , <u>Msl 102</u> , <u>Nsc 27</u> , <u>Spch 105</u> .		
Math 261	3	Complete Math 261 with a passing grade.		
Math 262	3	Complete Math 262 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.







REQUIREMENT	HOURS	DESC	RIPTION		
<u>Math 263</u>	3	Compl	ete <u>Math 263</u> with a passing grade.		
Math 264	3	Compl	ete Math 264 with a passing grade.		
Math 353	3	Compl	omplete <u>Math 353</u> with a passing grade.		
<u>Chem 105</u>	3	Compl	mplete Chem 105 with a passing grade.		
<u>Chem 106</u>	3	Compl	nplete <u>Chem 106</u> with a passing grade.		
<u>Chem 115</u>	1	Compl	nplete Chem 115 with a passing grade.		
<u>Chem 116</u>	1	Compl	plete <u>Chem 116</u> with a passing grade.		
<u>Phys 211</u>	3	Compl	blete Phys 211 with a passing grade.		
<u>Phys 212</u>	3	Compl	ete Phys 212 with a passing grade.		
Phys 221	1	Compl	lete Phys 221 with a passing grade.		
<u>Phys 222</u>	1	Compl	lete Phys 222 with a passing grade.		
lajor Requirements					
REQUIREMENT		HOURS	DESCRIPTION		
<u>Csci 251</u>		3	Complete <u>Csci 251</u> with a passing grade.		
<u>Engr 100</u>		3	Complete Engr 100 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. Complete Engr 330 with a passing grade.		
Engr 330		3	Complete either Engr 360 or Engr 362 with a passing grade.		
Engr 360 or Engr 362		1	Complete either Engr 361 or Engr 363 with a passing grade.		
Engr 361 or Engr 363 Engr 400		1	Complete Engr 400 with a passing grade.		
Engr 450		3	Complete Engr 450 with a passing grade.		
		3	Complete <u>Manf 460</u> with a passing grade.		
6 hrs SOE technical electives		6	Complete at least 6 hours of additional coursework offered by the School of Engineering at the 200-level or above with a passing grade.		
3 hrs SOE tech elect at 300+ level		3	Complete at least 3 hours of additional coursework offered by the School of Engineering at the 300-lev above with a passing grade.		
Enroll in a BE emphasis			Enroll in an emphasis within the B.E. in Engineering program.		
School of Engineering GPA			Must be at least a 2.0		
School of Engineering of 7					
mphasis - Aero	space	<b>Studie</b>	<u>95</u>		

REQUIREMENT	HOURS	DESCRIPTION
<u>AS 101</u>	1	Complete AS 101 with a passing grade.
<u>AS 102</u>	1	Complete AS 102 with a passing grade.
<u>AS 111</u>	1	Complete AS 111 with a passing grade.
<u>AS 112</u>	1	Complete AS 112 with a passing grade.
<u>AS 201</u>	1	Complete AS 201 with a passing grade.

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REQUIREMENT	HOURS	DESCRIPTION
<u>AS 202</u>	1	Complete AS 202 with a passing grade.
<u>AS 211</u>	1	Complete AS 211 with a passing grade.
<u>AS 212</u>	1	Complete AS 212 with a passing grade.
<u>AS 301</u>	3	Complete AS 301 with a passing grade.
<u>AS 302</u>	3	Complete AS 302 with a passing grade.
<u>AS 311</u>	1	Complete AS 311 with a passing grade.
<u>AS 312</u>	1	Complete AS 312 with a passing grade.
<u>AS 401</u>	3	Complete AS 401 with a passing grade.
<u>AS 402</u>	3	Complete AS 402 with a passing grade.
<u>AS 411</u>	1	Complete AS 411 with a passing grade.
<u>AS 412</u>	1	Complete AS 412 with a passing grade.
<u>ISS 125</u>	3	Complete <u>ISS 125</u> with a passing grade.

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