

## Emphasis - Naval Science

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### **B.E. in Engineering Description**

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 21 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 6 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 261-264, Math 353; Chem 105, 106, 115, 116, and Phys 211, 212, 221, 222; Csci 251; Engr 100, 309, 310, 313, 321, 330, 360, 361, 400; 9 hours of technical engineering electives; 3 additional hours of humanities/social science/fine arts beyond the 18 hours School of Engineering core/general education requirement; 33 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.

### **Other Academic Requirements**

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

## **Emphasis - Naval Science Description**

Students seeking an emphasis in naval science will be assigned an adviser in both the Department of Naval Science and School of Engineering.

### **Course Requirements**

Candidates for the B.E. degree with an emphasis in naval science must complete the following courses: Csci 251, Engr 207, Engr 309, 310, 313, 321, 330, 362, 363, 400; 9 hours of technical engineering electives; 6 additional hours of humanities/social science/fine arts beyond the 18 hours School of Engineering core/general education requirement; and 33 hours in the naval science emphasis area from the following courses: Nsc 111 (2), Nsc 112 (2), Nsc 115 (1), Nsc 116 (1), Nsc 211 (2), Nsc 212 (3), Nsc 213 (1), Nsc 215 (1), Nsc 216 (1), Nsc 310 (3), Nsc 312 (3), Nsc 313 (3), Nsc 315 (1), Nsc 316 (1), Nsc 317 (1), Nsc 318 (1), Nsc 320 (3), Nsc 410 (3), Nsc 412 (2), Nsc 413 (3), Nsc 415 (1), Nsc 416 (1), Nsc 417 (1), Nsc 418 (1). Please see an adviser within the B.E. degree program for further details of these required courses.

### **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
<a href="#">Chem 105</a>	3	Complete <a href="#">Chem 105</a> with a passing grade.
<a href="#">Chem 106</a>	3	Complete <a href="#">Chem 106</a> with a passing grade.
<a href="#">Chem 115</a>	1	Complete <a href="#">Chem 115</a> with a passing grade.
<a href="#">Chem 116</a>	1	Complete <a href="#">Chem 116</a> with a passing grade.
First Year Writing	6	Complete <a href="#">Hon 101</a> , <a href="#">Writ 100</a> , or <a href="#">Writ 101</a> . and Complete one of the following courses: <a href="#">Liba 102</a> , <a href="#">Writ 102</a> or <a href="#">Hon 102</a> .
<a href="#">Math 261</a>	3	Complete <a href="#">Math 261</a> with a passing grade.
<a href="#">Math 262</a>	3	Complete <a href="#">Math 262</a> with a passing grade.
<a href="#">Math 263</a>	3	Complete <a href="#">Math 263</a> with a passing grade.
<a href="#">Math 264</a>	3	Complete <a href="#">Math 264</a> with a passing grade.
<a href="#">Math 353</a>	3	Complete <a href="#">Math 353</a> with a passing grade.
<a href="#">Phys 211</a>	3	Complete <a href="#">Phys 211</a> with a passing grade.
<a href="#">Phys 212</a>	3	Complete <a href="#">Phys 212</a> with a passing grade.



REQUIREMENT	HOURS	DESCRIPTION
<a href="#">Phys 221</a>	1	Complete <a href="#">Phys 221</a> with a passing grade.
<a href="#">Phys 222</a>	1	Complete <a href="#">Phys 222</a> with a passing grade.
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 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/humanities	3	Complete 3 additional hours in any of the humanities or fine arts categories defined by the School of Engineering general education requirements.
6 hrs social sciences	6	Complete 6 hours of social sciences choosing from the following; economics, anthropology, political science, psychology, and sociology.
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, <a href="#">As 301</a> , <a href="#">As 302</a> , <a href="#">Bus 250</a> , <a href="#">Bus 271</a> , <a href="#">Edld 110</a> , <a href="#">Edld 111</a> , <a href="#">Edld 120</a> , <a href="#">Edld 220</a> , <a href="#">Mgmt 371</a> , <a href="#">Msl 102</a> , <a href="#">Nsc 211</a> , or <a href="#">Spch 105</a> .
3 hrs fine arts/humanities/soc sci	3	Complete 3 additional hours in any of the humanities, fine arts, or social science categories defined by the School of Engineering general education requirements.

### Major Requirements

REQUIREMENT	HOURS	DESCRIPTION
<a href="#">Csci 251</a>	3	Complete <a href="#">Csci 251</a> with a passing grade.
<a href="#">Engr 100</a>	3	Complete <a href="#">Engr 100</a> with a passing grade.
<a href="#">Engr 309</a>	3	Complete <a href="#">Engr 309</a> with a passing grade.
<a href="#">Engr 310</a>	3	Complete <a href="#">Engr 310</a> with a passing grade.
<a href="#">Engr 313</a>	3	Complete <a href="#">Engr 313</a> with a passing grade.
<a href="#">Engr 321</a>	3	Complete <a href="#">Engr 321</a> with a passing grade.
<a href="#">Engr 360</a> or <a href="#">Engr 362</a>	3	Complete either <a href="#">Engr 360</a> or <a href="#">Engr 362</a> with a passing grade.
<a href="#">Engr 361</a> or <a href="#">Engr 363</a>	1	Complete either <a href="#">Engr 361</a> or <a href="#">Engr 363</a> with a passing grade.
<a href="#">Engr 400</a>	1	Complete <a href="#">Engr 400</a> with a passing grade.
<a href="#">Engr 330</a>	3	Complete <a href="#">Engr 330</a> with a passing grade.
6 hrs add'l SOE technical elective	6	Complete at least 6 hours of additional coursework offered by the School of Engineering at the 200-level or above.
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-level or 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

### Emphasis - Naval Science

REQUIREMENT	HOURS	DESCRIPTION
33 hours Naval Science	33	Successfully complete 33 hours from the following courses: <a href="#">Nsc 111</a> , <a href="#">Nsc 112</a> , <a href="#">Nsc 115</a> , <a href="#">Nsc 116</a> , <a href="#">Nsc 211</a> , <a href="#">Nsc 212</a> , <a href="#">Nsc 213</a> , <a href="#">Nsc 215</a> , <a href="#">Nsc 216</a> , <a href="#">Nsc 310</a> , <a href="#">Nsc 312</a> , <a href="#">Nsc 313</a> , <a href="#">Nsc 315</a> , <a href="#">Nsc 316</a> , <a href="#">Nsc 317</a> , <a href="#">Nsc 318</a> , <a href="#">Nsc 320</a> , <a href="#">Nsc 410</a> , <a href="#">Nsc 412</a> , <a href="#">Nsc 413</a> , <a href="#">Nsc 415</a> , <a href="#">Nsc 416</a> , <a href="#">Nsc 417</a> , <a href="#">Nsc 418</a> .

