

NAVAL SCIENCE, BNS

REQUIREMENTS

The College of Engineering recommends candidates for the Bachelor of Naval Science degree. Requirements for the degree are:

1. A total of 136 credits including no fewer than 100 credits of elected and required courses in one of the engineering curricula.
2. Completion of these additional requirements as approved by the Department of Naval Science: English, two semesters; American Military Affairs/National Security Policy, one semester (see below).

Earning both the BNS degree and the B.S. in the field of engineering may require five years. Engineering students in an ROTC program may require four and one-half to five years to complete both degree and commissioning requirements.

REQUIRED COURSES:

Code	Title	Credits
Naval Laboratory (1 cr each):		8-10
NAV SCI 175	Introductory Naval Laboratory I	
NAV SCI 176	Introductory Naval Laboratory II	
NAV SCI 275	Elementary Naval Laboratory I	
NAV SCI 276	Elementary Naval Laboratory II	
NAV SCI 375	Intermediate Naval Laboratory I	
NAV SCI 376	Intermediate Naval Laboratory II	
NAV SCI 475	Advanced Naval Laboratory I	
NAV SCI 476	Advanced Naval Laboratory II	
NAV SCI 575	Professional Naval Laboratory I ¹	
NAV SCI 576	Professional Naval Laboratory II ¹	
NAV SCI 101	Introduction to Naval Science	2
NAV SCI 102	Seapower-Maritime Affairs ²	3
NAV SCI 201	Naval Leadership and Management	3
NAV SCI 402	Naval Leadership and Ethics	3
Six credits of English. Must be writing-intensive and focus on areas of grammar and composition. Accepted courses include those designated COM A or COM B		6
Three credits of American Military History or National Security Policy. Accepted courses include:		3
POLI SCI 104	Introduction to American Politics and Government	
POLI SCI 140	Introduction to International Relations	
POLI SCI 160	Introduction to Political Theory	
POLI SCI/LEGAL ST 217	Law, Politics and Society	
POLI SCI 347	Terrorism	
POLI SCI 348	Analysis of International Relations	
POLI SCI 356	Principles of International Law	
POLI SCI 377	Nuclear Weapons and World Politics	
HISTORY 427	The American Military Experience to 1902	

HISTORY 428 The American Military Experience Since 1899

MIL SCI 491 American Military History

Completion of one of the following tracks:

Navy-Option Track:

NAV SCI 202 Navigation

NAV SCI 301 Naval Engineering

NAV SCI 302 Naval Weapons

NAV SCI 401 Naval Operations

Six credits of calculus to include a first- and second-semester course ³

Six credits of calculus-based physics to include a first- and second-semester course ³

Three credits of World Culture and Regional Studies. Must have an emphasis on regions encompassed by Sub-Sahara Africa, North Africa, Central Asia, East Asia, South Asia, Southwest Asia, Southeast Asia, Central America, Middle East, or Russia/Eastern Europe

Marine Corps-Option Track:

NAV SCI 350 Fundamentals of Maneuver Warfare

NAV SCI 351 Land Campaigns

1

Add NAV SCI 575 Professional Naval Laboratory I if taking a 9th semester, NAV SCI 576 Professional Naval Laboratory II if taking a 10th semester.

2

May substitute HISTORY 428 The American Military Experience Since 1899.

3

AP/IB/Transfer credits accepted only for first-semester course.

Also, to be conferred a BNS degree, the candidate must satisfy the degree requirements for *any* Engineering major, and the above-stated Naval Science requirements.