NAVAL SCIENCE (NAVS)

NAVS 1050: Basic Training
Naval Science
Credit for successful completion of Recruit Training or Officer Candidates School training in the U.S. Navy or the U.S. Marine Corps. Z grade.
4 credits
Potentially offered with the following Instruction Type(s):
Lecture

NAVS 1110: Intro to Naval Science
Naval Science
This course introduces students to the organizational structure, warfare components, and roles of the U.S. Navy (USN) and U.S. Marine Corps (USMC). It covers aspects of the requirements of officers in both forces and equips students with foundational knowledge for their Navy or Marine career.
3 credits
Potentially offered with the following Instruction Type(s):
Lecture

NAVS 1120: Seapower & Maritime Affairs
Naval Science
This course delves into the historical and political dimensions of the U.S. Navy, exploring events, attitudes, and circumstances that have shaped its proud history. It addresses national imperatives, maritime philosophies, budgetary considerations, and diplomatic objectives, concluding with an examination of the Navy's strategic shifts post-Cold War and its focus in the 21st century.
3 credits
Potentially offered with the following Instruction Type(s):
Lecture

NAVS 1150: Leadership Lab. I
Naval Science
This course provides professional education by covering topics such as Navy/Marine Corps mission, force protection, operational security, watch standing, physical fitness, nutrition, stress management, drill team participation, field exercises, and attendance at Navy and Marine balls.
1 credit
Potentially offered with the following Instruction Type(s):
Laboratory

NAVS 1160: Leadership Lab. II
Naval Science
This course provides professional education, covering topics such as Navy/Marine Corps mission, force protection, operational security, watch standing, physical fitness, nutrition, stress management, drill team participation, field exercises, and attendance at Navy and Marine balls.
1 credit
Potentially offered with the following Instruction Type(s):
Laboratory

NAVS 2110: Naval Leadership and Mgmt.
Naval Science
This course initiates students into fundamental leadership concepts for Navy/Marine Corps officers, covering theories, values development, interpersonal and management skills. It emphasizes practical application through experiential exercises, readings, case studies, and laboratory discussions.
3 credits
Potentially offered with the following Instruction Type(s):
Lecture

NAVS 2120: Navigation
Naval Science
This course provides a comprehensive study of plotting, piloting, electronic navigation, and maneuvering boards, covering techniques such as chart use, visual and electronic aids, and the operation of compasses. Students develop practical skills in navigation.
3 credits
Potentially offered with the following Instruction Type(s):
Lecture

NAVS 2150: Leadership Lab. III
Naval Science
This course provides professional education by covering topics such as Navy/Marine Corps mission, force protection, operational security, watch standing, physical fitness, nutrition, stress management, drill team participation, field exercises, and attendance at Navy and Marine balls.
1 credit
Potentially offered with the following Instruction Type(s):
Laboratory

NAVS 2160: Leadership Lab. IV
Naval Science
This course provides professional education by covering topics such as Navy/Marine Corps mission, force protection, operational security, watch standing, physical fitness, nutrition, stress management, drill team participation, field exercises, and attendance at Navy and Marine balls.
1 credit
Potentially offered with the following Instruction Type(s):
Laboratory

NAVS 3100: Evolution of Warfare
Naval Science
This course examines the evolution of warfare from historical origins to the present, emphasizing the causes of continuity and change in warfare methods. It explores the impact of political, economic, and societal factors, with a particular focus on technological innovations shaping the battlefield, and understanding of the art and science of war.
3 credits
Prerequisites
24 Earned Credits.
Potentially offered with the following Instruction Type(s):
Lecture

NAVS 3120: Naval Ships Syss I (Engr.)
Naval Science
In this course, students learn detailed ship design, hydrodynamic forces, stability, propulsion, electrical theory and distribution, hydraulic theory and ship control, and damage control. The course includes basic concepts of theory/design of steam, gas turbine, diesel, and nuclear propulsion.
3 credits
Prerequisites
24 Earned Credits.
Potentially offered with the following Instruction Type(s):
Lecture

NAVS 3130: Naval Ships Syss II (Weapons)
Naval Science
This course explores the theory and application of weapons systems, covering processes from detection to explosives. It also delves into the integration of command, control, communications, computers, and intelligence, discussing the tactical and strategic significance of weapon system integration.
3 credits
Prerequisites
24 Earned Credits.
Potentially offered with the following Instruction Type(s):
Lecture

NAVS 3150: Leadership Lab. V
Naval Science
This course provides professional education by covering topics such as Navy/Marine Corps mission, force protection, operational security, watch standing, physical fitness, nutrition, stress management, drill team participation, field exercises, and attendance at Navy and Marine balls.
1 credit
Prerequisites
24 Earned Credits.
Potentially offered with the following Instruction Type(s):
Laboratory

NAVS 3160: Leadership Lab. VI
Naval Science
This course provides professional education by covering topics such as Navy/Marine Corps mission, force protection, operational security, watch standing, physical fitness, nutrition, stress management, drill team participation, field exercises, and attendance at Navy and Marine balls.
1 credit
Prerequisites
24 Earned Credits.
Potentially offered with the following Instruction Type(s):
Laboratory

NAVS 3200: Fndmtls. of Maneuver Warfare
Naval Science
This course centers on maneuver warfare and its historical influences on the U.S. Marine Corps (USMC) as a premier institution. Covering tactical, operational, and strategic implications, it emphasizes the USMC as a maneuver warfare organization, with a focus on present-day capabilities and concepts.
3 credits
Prerequisites
24 Earned Credits.
Potentially offered with the following Instruction Type(s):
Lecture

NAVS 4110: Amphibious Warfare
Naval Science
Concept of amphibious warfare; doctrinal origins and evolution as an element of 20th century naval policy.
3 credits
Prerequisites
24 Earned Credits.
Potentially offered with the following Instruction Type(s):
Lecture

NAVS 4120: Naval Leadership and Ethics
Naval Science
This course combines an exploration of Western moral traditions and ethical philosophy with discussions on military leadership, core values, professional ethics, and Navy regulations. It aims to provide students with a moral foundation alongside insights from naval events, preparing them for leadership roles in the Naval Service.
3 credits
Prerequisites
24 Earned Credits.
Potentially offered with the following Instruction Type(s):
Lecture

NAVS 4130: Naval Oper. and Seamanship
Naval Science
This course builds on the study of relative motion, formation tactics, and ship employment, introducing naval operations, ship behavior in maneuvering, ship handling, afloat communications, command and control, naval warfare areas, and joint warfare. Nsc 212 is highly recommended prior to taking 413.
3 credits
Prerequisites
24 Earned Credits.
Potentially offered with the following Instruction Type(s):
Lecture

NAVS 4150: Leadership Lab. VII
Naval Science
This course provides professional education by covering topics such as Navy/Marine Corps mission, force protection, operational security, watch standing, physical fitness, nutrition, stress management, drill team participation, field exercises, and attendance at Navy and Marine balls.
1 credit
Prerequisites
24 Earned Credits.
Potentially offered with the following Instruction Type(s):
Laboratory

NAVS 4160: Leadership Lab. VIII
Naval Science
This course provides professional education by covering topics such as Navy/Marine Corps mission, force protection, operational security, watch standing, physical fitness, nutrition, stress management, drill team participation, field exercises, and attendance at Navy and Marine balls.
1 credit
Prerequisites
24 Earned Credits.
Potentially offered with the following Instruction Type(s):
Laboratory

NAVS 4170: Leadership Lab. IX
Naval Science
This course provides professional education by covering topics such as Navy/Marine Corps mission, force protection, operational security, watch standing, physical fitness, nutrition, stress management, drill team participation, field exercises, and attendance at Navy and Marine balls.
1 credit
Prerequisites
NAVS 4160 and 24 Earned Credits.
Potentially offered with the following Instruction Type(s):
Lecture

NAVS 4180: Leadership Lab. X
Naval Science
This course provides professional education by covering topics such as Navy/Marine Corps mission, force protection, operational security, watch standing, physical fitness, nutrition, stress management, drill team participation, field exercises, and attendance at Navy and Marine balls.
1 credit
Prerequisites
NAVS 4160 and 24 Earned Credits.
Potentially offered with the following Instruction Type(s):
Lecture