

Navy ROTC (NAVY)

NAVY 1001. Naval Leadership Lab. (0 Hours)

Focuses on either drill instruction or practical work to complement classroom instruction. Must be taken in each class semester by all NROTC nursing students.

NAVY 1101. Introduction to Naval Science. (2 Hours)

Presents a general introduction to the naval profession and the concepts of sea power. Emphasizes the mission, organization, and warfare components of the United States Navy and Marine Corps. Includes an overview of officer and enlisted ranks and rates, training and education, and career patterns. Also covers naval courtesy and customs, military justice, leadership, and nomenclature. Exposes the student to the professional competencies required to become a naval officer.

NAVY 1202. Sea Power and Maritime Affairs. (2 Hours)

Offers a historical study of the U.S. Navy from the American Revolution to the modern era. Traces the U.S. Navy's rise from a coastal defense force into the world's premier naval power. Major themes include wars, events, people, technology, strategy, tactics, and diplomacy that shaped naval history and America's role in the world.

NAVY 2111. Naval Leadership Lab. (0 Hours)

The Naval Leadership Lab (Naval Science Laboratory) is a weekly professional development session for Navy and Marine Corps ROTC (NROTC) midshipmen. It provides practical leadership training, guest speakers, drill exercises, and general military training to prepare students for careers as commissioned officers. May be repeated once.

NAVY 2500. Navigation. (3 Hours)

Marine navigation has been an essential competency of naval officers for hundreds of years. The safe and successful execution of our missions requires ships, submarines, and aircraft to be in the right place, at the right time, often in hazardous areas. We will cover the theory and practice of navigation with a combination of conceptual and hands-on training, including the fundamentals of the nautical chart, how electronic charts are used in the Navy, Rules of the Road, and relative motion. Upon successful completion of this course, you should have a strong foundation in nautical navigation that will be expanded upon in subsequent Naval Science courses and in your naval careers.

NAVY 2501. Leadership and Management. (3 Hours)

Studies at an advanced level organizational behavior and management in the context of the naval organization. Topics include the management functions of planning, organizing, and controlling; individual and group behavior in organization; and motivation and leadership. Explores major behavioral theories in detail. Investigates practical applications by the use of experiential exercises, case studies, and lab discussions. Develops other topics including decision making, communication, responsibility, authority, and accountability.

NAVY 3102. Ships Systems I: Engineering. (4 Hours)

Offers an overview of the engineering plants that propel and power U.S. Navy warships. Covers the basic engineering principles relating to thermodynamics, steam propulsion (conventional and nuclear), gas turbine propulsion, internal combustion engines, electricity generation and distribution, and various support systems. Also discusses ship design, stability, damage control, and some engineering-related ethical issues. At the conclusion of the course, the successful student should have a basic understanding of the engineering systems that naval personnel operate in the fleet.

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NAVY 3201. Ship Systems II: Weapons. (4 Hours)

Covers laser fundamentals, applications, side-looking radar, and radar holography. Includes selected readings on naval weapons and fire control systems.

NAVY 3840. Evolution of Warfare. (3 Hours)

Traces five centuries of war to uncover depths of depravity and cruelty and heights of sacrifice and suffering. Why do we make war? Nothing else so engages the human genius for creative destruction.

NAVY 4100. Fundamentals of Maneuver Warfare. (3 Hours)

This course presents an in-depth exploration of the multifaceted dimensions of warfare, with a special emphasis on the doctrine of maneuver warfare as practiced by the United States Marine Corps. This course delves into the historical evolution, strategic principles, and tactical applications of maneuver warfare, offering a rich tapestry of learning for those aspiring to excel in military strategy and operations.

NAVY 4101. Naval Operations and Seamanship. (3 Hours)

Offers a capstone course for senior midshipmen in advanced navigation, communications, naval operations, and naval warfare. Offers students an opportunity to learn through simulation in a computer classroom.

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NAVY 4702. Leadership and Ethics. (3 Hours)

Provides a foundation of leadership principles and management tools and skills to prepare and motivate students to assume the responsibilities of a commissioned officer in the United States Navy confidently. Reinforces leadership principles through leadership case studies with emphasis on core values, responsibility, accountability, loyalty, and professional ethics. Provides a basic background in the responsibilities of a junior division officer and watch officer, with emphasis on training, counseling, career development, military law, and special programs. This is the capstone course of Naval Science.