

NAVAL SCIENCE (HNSC)

HNSC 101 Naval Science Orientation 3 Credits

Provides an introduction to the United States Navy and Marine Corps, including organization, traditions and regulations, career opportunities, and shipboard safety and emergency procedures. Also covers study and test-taking skills and develops writing ability throughout the semester.

HNSC 102 Seapower& Maritime Affairs 3 Credits

Provides an understanding of broad principles, concepts, and elements of seapower and maritime affairs. Examines the history and modern political applications of seapower as it relates to the United States and other nations.

HNSC 110L Naval Science Lab 1 Credit

Lab Provides an understanding of broad principles, concepts, and elements of seapower and maritime affairs. Examines the history and modern political applications of seapower as it relates to the United States and other nations.

HNSC 201 Naval Weapon Systems 3 Credits

Introduces engineering principles using Naval Weapon Systems as examples for study. Students develop a fundamental working knowledge of weapon system components and subsystems and their contribution to the overall system. Topics covered include radar and underwater sound propagation theory, weapon capabilities and the role that they play in the Navy's mission.

HNSC 202 Naval Engineering 3 Credits

Provides an introduction to engineering using naval propulsion plants as examples for study. Subjects covered include thermodynamics, the steam cycle (both conventional and nuclear), internal combustion and gas turbine engines, electrical distribution systems, hydraulics, refrigeration cycles, and basic naval architecture including stability and buoyancy.

HNSC 301 Naval Ops and Seamanship 3 Credits

Provides theory and techniques of navigation at sea. Areas of emphasis include dead reckoning, piloting, rules governing waterborne traffic, and utilization of nautical charts, tables and navigational instruments such as the sextant. Advanced electronic navigation systems are also introduced.

HNSC 302 Navigation 3 Credits

Provides an understanding of the elements and principles of naval operations. Introduced are command responsibility, tactical doctrine, communication procedures, and relative movement problems. Practical applications include a review of navigation techniques

HNSC 401 Leadership & Management I 3 Credits

Emphasizes the "junior officer as a manager, organizational decision maker and leader." Provides a comprehensive advanced-level study of organizational behavior and management. Major behavioral theories and their practical applications are explored in detail. Other topics include values, ethics, decision-making, communication, responsibility, authority, accountability, and total quality leadership (TQL).

HNSC 402 Leadership & Ethics 3 Credits

As the capstone course of the naval science curriculum, it discusses and develops an overview of the duties, responsibilities, and expectations of a junior naval officer. Includes the study of significant features of military law, values, ethics, leadership, divisional maintenance administration and training. Also covers elements of personal affairs such as finance, orders, benefits, travel and related topics.

HNSC 410 Fund. of Maneuver Warfare 3 Credits

Provides an understanding of the importance of projecting sea power ashore with an emphasis placed on the Battle of Marathon in Athens in 410 B.C., the Gallipoli campaign and the Battle of Inchon in 1950. The student will gain an appreciation for the application of a Amphibious warfare from the pre-modern age to contemporary times. Strategic concepts and tactical considerations will be studied in planning specific operations and amphibious landings.