

NAVAL SCIENCE (NSC)

NSC 101 Naval Orientation (2 Credits)

Introduction to sea power and the naval service, with emphasis on the mission, organization, regulations, and broad warfare components of the Navy, including an overview of officer and enlisted rank and rating structures, procurement and recruitment, training and education, promotion and advancement, and retirement policies.

NSC 102 Sea Power & Maritime Affairs (3 Credits)

Study of the general sea power (including the merchant marine), the role of various warfare components of the Navy in supporting the Navy's mission, the implementation of sea power as an instrument of national policy, and a comparative study of U.S. and other Navies throughout history.

NSC 111 Naval Laboratory I (1 Credits)

Study of basic military formations, drill movements, commands, customs, courtesies, honors, and inspections including lectures and discussions on a variety of subjects.

NSC 112 Naval Laboratory II (1 Credits)

Study of basic military formations, drill movements, commands, customs, courtesies, honors, and inspections including lectures and discussions on a variety of subjects.

NSC 201 Naval Ship Systems I (3 Credits)

Introduction to the types, structure, and purpose of naval ships including ship compartmentalization, propulsion systems, auxiliary power systems, interior communications, and ship control. Examination of elements of ship design to achieve safe operations and ship stability.

NSC 202 Naval Ship Systems II (3 Credits)

Introduction to the theory and principles of weapons systems including coverage of types of weapons and fire control systems, capabilities and limitations, theory of target acquisition, identification and tracking, trajectory principles, and basics of naval ordinance. Knowledge of algebra and trigonometry recommended.

NSC 211 Naval Laboratory III (1 Credits)

Study of basic military formations, drill movements, commands, customs, courtesies, honors, and inspections including lectures and discussions on a variety of subjects.

NSC 212 Naval Laboratory IV (1 Credits)

Study of basic military formations, drill movements, commands, customs, courtesies, honors, and inspections including lectures and discussions on a variety of subjects.

NSC 301 Navigation & Naval Operations I (3 Credits)

Comprehensive study of theory, principles, and procedures of ship navigation, movements, and employment, including use of charts and publications, dead reckoning, piloting and electronic navigation techniques, voyage planning, and survey of celestial navigation. Operations topics include communications, sonar-radar search, and screening theory. Covers tactical formations and dispositions, relative motion, maneuvering board, tactical plots, rules of the road, lights, signals, and navigational aids.

NSC 302 Navigation & Naval Operations II (3 Credits)

Comprehensive study of theory, principles, and procedures of ship navigation, movements, and employment, including use of charts and publications, dead reckoning, piloting and electronic navigation techniques, voyage planning, and survey of celestial navigation. Operations topics include communications, sonar-radar search, and screening theory. Covers tactical formations and dispositions, relative motion, maneuvering board, tactical plots, rules of the road, lights, signals, and navigational aids.

NSC 310 The Evolution of Warfare (3 Credits)

Exploration of the forms of warfare employed by great leaders in history in order to formulate a sense of historical flow or to demonstrate alternative military actions, the impact of historical precedents on military thought and actions as practiced by the great leaders and military organizations. (Marine Corps Option Students Only).

NSC 311 Naval Laboratory V (1 Credits)

Study of basic military formations, drill movements, commands, customs, courtesies, honors, and inspections including lectures and discussions on a variety of subjects.

NSC 312 Naval Laboratory VI (1 Credits)

Study of basic military formations, drill movements, commands, customs, courtesies, honors, and inspections including lectures and discussions on a variety of subjects.

NSC 401 Leadership & Management (3 Credits)

Development of effective managerial and leadership competence through functional, behavioral, and situational approaches. Focus on the officer-manager as an organizational decision maker and leader.

NSC 402 Leadership & Ethics (3 Credits)

Capstone course in the NROTC curriculum builds and focuses on managerial and professional competencies developed during prior at-sea training and naval science courses.

NSC 410 Amphibious Warfare (3 Credits)

Historical survey of the sea power with emphasis on the evolution of amphibious warfare in the twentieth century including the concept of amphibious warfare, its doctrinal origins, and its evolution and development as an element of national naval policy.

NSC 411 Naval Laboratory VII (1 Credits)

Study of basic military formations, drill movements, commands, customs, courtesies, honors, and inspections including lectures and discussions on a variety of subjects.

NSC 412 Naval Laboratory VIII (1 Credits)

Study of basic military formations, drill movements, commands, customs, courtesies, honors, and inspections including lectures and discussions on a variety of subjects.