

NAVAL ROTC (NAVS)

NAVS 101 Introduction to Naval Science (2 Credits)

A general introduction to seapower and the naval service with particular emphasis on the mission, organization, regulations, and broad warfare components of the Navy. Course also covers the basic tenets of naval courtesy and customs, discipline, naval leadership, and ship's nomenclature. The student is made cognizant of the major challenges facing today's naval officer, especially in the areas of equal opportunity and drug abuse.

NAVS 102 Seapower and Maritime Affairs (3 Credits)

This course traces the evolution of the major world naval and maritime nations as they are affected by changes in technology and usage in the context of their political, economic, and diplomatic relations. Special emphasis is placed on the role which American naval and maritime affairs played in the rivalries of the great world powers during the colonial period, the spread of revolutionary movements, and the era of civil and international conflicts in the 19th and 20th centuries. The course will explore the interrelationship of major political, economic, and diplomatic trends with the naval conflicts and maritime rivalries of major world societies during the modern period.

NAVS 111 Naval Science Lab (1 Credit)

These two laboratories teach basic military formations, movements, courtesies, and honors. Includes drill, personnel inspections, physical conditioning, and swimming.

NAVS 112 Naval Science Lab (1 Credit)

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NAVS 201 Naval Engineering (3 Credits)

A course designed to familiarize the student with the types, structure, and purpose of naval ships. Ship compartmentation, propulsion systems, auxiliary power systems, interior communications and ship control are included. Elements of ship design and ship stability characteristics are examined.

NAVS 202 Naval Weapons (3 Credits)

This course provides an introduction to the theory and practice of operation of naval weapons systems. It includes 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 ordnance.

NAVS 211 Naval Science Lab (1 Credit)

These laboratories teach military formations, movements and commands, with a growing emphasis on active leadership roles. Health and personal hygiene are emphasized. Topics include weight control, dieting, hygiene habits, dental care, drug and alcohol abuse, and sexually transmitted diseases, with continued emphasis on physical conditioning and swimming.

NAVS 212 Naval Science Lab (1 Credit)

These laboratories teach military formations, movements and commands, with a growing emphasis on active leadership roles. Health and personal hygiene are emphasized. Topics include weight control, dieting, hygiene habits, dental care, drug and alcohol abuse, and sexually transmitted diseases, with continued emphasis on physical conditioning and swimming.

NAVS 301 Coastal Piloting and Celestial Navigation (3 Credits)

A comprehensive study of the theory, principles, and procedures of ship navigation, movement and employment. Topics include nautical chart interpretation, mathematical analysis, spherical triangulation and practical work involving sight reduction of navigational celestial bodies, use of the marine sextant, and the use of nautical publications. Prerequisite: Completion of basic Naval Science curriculum or the Naval Science Institute.

NAVS 302 Naval Tactics and Operations (3 Credits)

A detailed study of the theory and use of naval tactics as it applies to current naval strategy. Topics include studies of communications, sonar theory, radar use, and ship formation dispositions. Relative motion, maneuvering boards and tactical plots, navigation rules of the road, lights and fog signals, navigational aids and the study of electronic navigation systems (including inertial navigational systems). Prerequisite: NAVS 301.

Prerequisite(s): NAVS 301

NAVS 310 Evolution of Warfare (3 Credits)

This course explores the form of warfare employed by great people in history in order to formulate the sense of historical flow or continuity in the evolution of warfare, to develop a basic sense of strategy, to demonstrate alternative military actions, and to explore the impact of historical precedent on military thought and actions. Prerequisite: Completion of the basic Naval Science curriculum or the Naval Science Institute.

NAVS 311 Naval Science Lab (1 Credit)

These laboratories emphasize cruise preparation. The student is prepared to adapt to living conditions aboard a naval vessel, with emphasis on safety education and first aid. Topics: artificial respiration, proper application of bandages, heat exhaustion, choking, burns, fractures, and shock.

NAVS 312 Naval Science Lab (1 Credit)

These laboratories emphasize cruise preparation. The student is prepared to adapt to living conditions aboard a naval vessel, with emphasis on safety education and first aid. Topics: artificial respiration, proper application of bandages, heat exhaustion, choking, burns, fractures, and shock.

NAVS 401 Leadership and Management I (2 Credits)

Two courses stressing the experiential approach to learning the principles of leadership and management. The student develops skills in the areas of communication, counseling, control, direction, management, and leadership through active guided participation in Navy-based case studies, experiential exercises, and situational problems. Management theory, professional responsibility, and the Navy Human Resources Management programs are emphasized. Must be taken sequentially.

NAVS 402 Leadership and Management II (2 Credits)

Two courses stressing the experiential approach to learning the principles of leadership and management. The student develops skills in the areas of communication, counseling, control, direction, management, and leadership through active guided participation in Navy-based case studies, experiential exercises, and situational problems. Management theory, professional responsibility, and the Navy Human Resources Management programs are emphasized. Must be taken sequentially.

NAVS 410 Amphibious Warfare (3 Credits)

This course defines the concept of amphibious warfare, explores its doctrinal origins, and traces the evolutions as elements of naval policy during the 20th century. Prerequisite: NAVS 310.

Prerequisite(s): NAVS 310

NAVS 411 Naval Science Lab (1 Credit)

These laboratories emphasize practical leadership skills. The student is given a position of leadership and graded on performance. Includes security precautions, extensive sailing opportunities. Final physical training and swimming test must be passed for successful completion of the NROTC program and commission in the Navy or Marine Corps.

NAVS 412 Naval Science Lab (1 Credit)

These laboratories emphasize practical leadership skills. The student is given a position of leadership and graded on performance. Includes security precautions, extensive sailing opportunities. Final physical training and swimming test must be passed for successful completion of the NROTC program and commission in the Navy or Marine Corps.