Naval Science (NAV)

Naval ROTC courses are open only to students enrolled in the Naval Reserve Officers’ Training Corps program offered under the cross-town agreement with the University of South Florida.

1110 Introduction to Naval Science (3)
- Emphasis on the mission, organization, regulations and components of the Navy and Marine Corps.

1110L Naval Science Laboratory (0)
- A weekly three-hour laboratory covering professional and military subject matter. Attendance is mandatory for all midshipmen.

1140 Seapower and Maritime Affairs (3)
- This course deals with the importance of seapower in historical events, including emphasis on worldwide political-military confrontations following the Cold War.

2121 Naval Ships Systems I (3)
- Types, structures and purpose of naval ships. Hydrodynamic forces, stability compartmentalization, electrical, and auxiliary systems. Theory of design and operation of steam turbine, gas turbine, and nuclear propulsion plants. Shipboard safety and firefighting.

2212C Navigation/Naval Operations I: Navigation (3)
- Piloting and celestial navigation theory, principles, and procedures; tides, currents, weather, use of navigation instruments and equipment, and practicum. Laboratory required.

2221 Evolution of Warfare (3)
- A survey of military history emphasizing principles of warfare, strategy and tactics, and significant military leaders and organizations.

2231 Principles of Naval Management I (3)
- Theory and principles of management, focusing on the officer-manager as an organizational decision maker. Includes interpersonal skills, behavior factors, and group dynamics.

2931 Directed Study in Naval ROTC (1-3)
- Prerequisite: Permission of professor of naval science. Intensive individualized study in particular aspects of Naval Science that are not covered in regular course offerings. Enrollment is recommended for NROTC students who are anticipating attending the Naval Science Institute in Newport, RI, during sophomore/junior summer. Course content and title may vary from term to term.

3123 Naval Ships Systems II (3) US NVY
- Prerequisite: NAV 2121. Capabilities and limitations of fire control systems, and weapons types. Physical aspects of radar and underwater sound for target acquisition, threat analysis, tracking, weapons selection, delivery, and guidance. Explosives, fusing, and Naval ordnance.

3214C Navigation/Naval Operations II: Seamanship and Ship Operations (3) US NVY
- Prerequisite: NAV 2221C. International and inland rules of the road; relative motion-vector analysis; ship handling, employment and tactics, afloat communications; operations analysis. Laboratory required.

4224 Amphibious Warfare (3) US NVY
- History of amphibious warfare emphasizing doctrine and techniques as well as an understanding of the interrelations of political, strategic, operational, tactical, and technical levels of war from the past.

4232 Principles of Naval Management II (Leadership and Ethics) (3) US NVY
- Prerequisite: NAV 2231. Integration of professional competencies and qualities of effective leadership with emphasis on moral and ethical responsibilities, accountability, communications and military law for the junior officer.