

# Naval Science (NASC)

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## **NASC 1001 Drill and Information Briefing (0 credits)**

Weekly formations focusing on Marine Corps and Navy drill, ceremonies, and inspections. Classroom instruction on special interest areas to the prospective naval officer such as financial responsibilities, career opportunities, leadership, maritime strategy and national security. Instruction and application of the fundamentals of unit organization, the chain of command, and how to properly wear and inspect uniforms. Designed to develop teamwork, leadership, management, and initiative. Required of all NROTC students. SNC/UNC grade assessment.

*Level of Study:* Undergraduate

*Last four terms offered:* 2023 Spring Term, 2022 Fall Term, 2022 Spring Term, 2021 Fall Term

Schedule of Classes (<https://bulletin.marquette.edu/class-search/?details&code=NASC%201001>)

## **NASC 1009 Introduction to Naval Science (2 credits)**

General introduction to seapower and the naval service. The instruction places particular emphasis on the mission, organization, regulations and broad warfare components of the Navy. Included is an overview of officer and enlisted rank and rating structures, procurement and recruitment, training and education, promotion and advancement, and retirement policies. Non-NROTC students require cons. of dept. ch.

*Level of Study:* Undergraduate

*Last four terms offered:* 2022 Fall Term, 2021 Fall Term, 2020 Fall Term, 2019 Fall Term

Schedule of Classes (<https://bulletin.marquette.edu/class-search/?details&code=NASC%201009>)

## **NASC 1022 Sea Power and Maritime Affairs (3 credits)**

Influence of U.S. Sea Power and Maritime Affairs on international economic and political relationships. Classroom discussions based on independent reading.

*Prerequisite:* NROTC students or cons. of dept. ch.

*Level of Study:* Undergraduate

*Marquette Core Curriculum:* SSC Individuals & Communities

*Last four terms offered:* 2023 Spring Term, 2022 Spring Term, 2021 Spring Term, 2020 Spring Term

Schedule of Classes (<https://bulletin.marquette.edu/class-search/?details&code=NASC%201022>)

## **NASC 2151 Navigation (3 credits)**

Theory, principles and procedures of ship navigation and movements. Nautical astronomy, oceanographic factors, piloting, celestial navigation, celestial sights, sextants, charts, publications, electronic aids and inertial navigation systems. Rules of the nautical road, lights, signals, and navigational aids.

*Prerequisite:* Non-NROTC students require cons. of dept. ch.

*Level of Study:* Undergraduate

*Last four terms offered:* 2023 Spring Term, 2022 Spring Term, 2021 Spring Term, 2020 Spring Term

Schedule of Classes (<https://bulletin.marquette.edu/class-search/?details&code=NASC%202151>)

## **NASC 2185 Leadership and Management (3 credits)**

Experiential approach to leadership and management with military emphasis. Utilizes motivation and communication theory and practice, group dynamics and decision making techniques and lines of control and organizational structure. Case studies, experiential exercises and situational problems are used.

*Prerequisite:* NROTC students or cons. of dept. ch.

*Level of Study:* Undergraduate

*Marquette Core Curriculum:* SSC Individuals & Communities

*Last four terms offered:* 2022 Fall Term, 2021 Fall Term, 2020 Fall Term, 2019 Fall Term

Schedule of Classes (<https://bulletin.marquette.edu/class-search/?details&code=NASC%202185>)

## **NASC 3142 Naval Ship Systems 1 (3 credits)**

Ship design, construction, types and missions. Ship compartmentalization, interior communications, propulsion, auxiliary power and ship control systems. Elements of ship design for safe operation. Ship stability characteristics.

*Prerequisite:* Non-NROTC students require cons. of dept. ch.

*Level of Study:* Undergraduate

*Last four terms offered:* 2022 Fall Term, 2021 Fall Term, 2020 Fall Term, 2019 Fall Term

Schedule of Classes (<https://bulletin.marquette.edu/class-search/?details&code=NASC%203142>)

## **NASC 3161 Evolution of the Art of War (3 credits)**

Military principles and concepts throughout history. Tactical and strategic applications in selected engagements.

*Prerequisite:* Non-NROTC students require cons. of dept. ch.

*Level of Study:* Undergraduate

*Last four terms offered:* 2023 Spring Term, 2021 Spring Term, 2019 Spring Term, 2016 Spring Term

Schedule of Classes (<https://bulletin.marquette.edu/class-search/?details&code=NASC%203161>)

**NASC 3162 Naval Ship Systems 2 (3 credits)**

Theory and principles of operation of naval weapons systems including types, capabilities, and limitations. Theory of target detection, acquisition, identification and tracking. Principles of trajectories. Non-NROTC students require cons. of dept. ch.

*Prerequisite:* NASC 3142.

*Level of Study:* Undergraduate

*Last four terms offered:* 2023 Spring Term, 2022 Spring Term, 2021 Spring Term, 2020 Spring Term

Schedule of Classes (<https://bulletin.marquette.edu/class-search/?details&code=NASC%203162>)

**NASC 3191 Fundamentals of Maneuver Warfare (3 credits)**

Broad aspects of warfare and their interactions with maneuver warfare doctrine. Specific focus on the United States Marine Corps as the premier maneuver warfare fighting institution. Historical influences on current tactical, operational and strategic implications of maneuver warfare practices in current and future operations.

*Prerequisite:* Non-NROTC students require cons. of dept. ch.

*Level of Study:* Undergraduate

*Last four terms offered:* 2022 Spring Term, 2020 Spring Term, 2018 Spring Term

Schedule of Classes (<https://bulletin.marquette.edu/class-search/?details&code=NASC%203191>)

**NASC 3964 Practicum in U.S. Marine Corps Leadership and Management (4 credits)**

Provides instruction and practical application of leadership and management techniques used in the Marine Corps and Naval Service. Conducted at the Officer Candidate School at Quantico, Virginia. S/U grade assessment.

*Prerequisite:* Jr. stndg. in USMC option.

*Level of Study:* Undergraduate

*Last four terms offered:* 2022 Summer Term, 2021 Summer Term, 2020 Summer Term, 2019 Summer Term

Schedule of Classes (<https://bulletin.marquette.edu/class-search/?details&code=NASC%203964>)

**NASC 4152 Naval Operations and Seamanship (3 credits)**

Theory, principles and procedures of ship navigation, movements and employment. Tactical formations and dispositions, relative motion and maneuvering board solutions. Analysis of tactical plots for force effectiveness. Non-NROTC students require cons. of dept. ch.

*Prerequisite:* NASC 2151.

*Level of Study:* Undergraduate

*Last four terms offered:* 2022 Fall Term, 2021 Fall Term, 2020 Fall Term, 2019 Fall Term

Schedule of Classes (<https://bulletin.marquette.edu/class-search/?details&code=NASC%204152>)

**NASC 4186 Leadership and Core-Value-Based Decision-Making (3 credits)**

Application of techniques and theories learned in NASC 1185. Practical application of sound leadership and ethics to Navy situations. Investigation of levels of ethical decision-making: legal, constitutional, utilitarian, divine. Examination of role of honor, courage and commitment in leadership. Non-NROTC students require cons. of dept. ch.

*Prerequisite:* NASC 2185.

*Level of Study:* Undergraduate

*Last four terms offered:* 2023 Spring Term, 2022 Spring Term, 2021 Spring Term, 2020 Spring Term

Schedule of Classes (<https://bulletin.marquette.edu/class-search/?details&code=NASC%204186>)

**NASC 4995 Independent Study in Naval Sciences (1-3 credits)**

Faculty-supervised, independent study/research of a specific area or topic in Naval Science. Topic selected by student/faculty conference.

*Prerequisite:* Cons. of dept. ch.

*Level of Study:* Undergraduate

*Last four terms offered:* 2021 Fall Term, 2009 Fall Term, 2008 Spring Term, 2007 Fall Term

Schedule of Classes (<https://bulletin.marquette.edu/class-search/?details&code=NASC%204995>)