

# NAVAL SCIENCE (NS)

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## NS 1010 Introduction to Naval Science (3 credits)

Introduction to the Naval Service: custom and traditions, structure, career paths, basic leadership, ethics and character development, duties of a junior officer, and ships/aircraft of the U. S. Navy Fleet. Typically Offered: Varies. Cooperative: open to WSU degree-seeking students.

## NS 1040 Seapower and Maritime Affairs (3 credits)

An overview of U. S. naval history; sea power and maritime affairs beginning with the Continental Navy to present-day naval history. Typically Offered: Spring. Cooperative: open to WSU degree-seeking students.

## NS 1210 Introduction to Naval Science Laboratory I (1 credit)

Practical instruction for introduction to freshman naval science students. Typically Offered: Fall. Cooperative: open to WSU degree-seeking students.

## NS 1220 Introduction to Naval Science Laboratory 2 (1 credit)

Practical instruction for introduction to freshman naval science students. Typically Offered: Spring. Cooperative: open to WSU degree-seeking students.

## NS 2000 (s) Seminar (1-16 credits, max 99)

Credit arranged.

## NS 2030 (s) Workshop (1-16 credits, max 99)

Credit arranged Cooperative: open to WSU degree-seeking students.

## NS 2040 (s) Special Topics (1-16 credits, max 99)

Credit arranged. Cooperative: open to WSU degree-seeking students.

## NS 2050 Navigation (3 credits)

Theory, principles, and procedures of terrestrial and electronic navigation, and rules of the nautical road. Typically Offered: Spring. Cooperative: open to WSU degree-seeking students.

## NS 2060 Naval Leadership and Management (3 credits)

Theories of management and management resources, motivational theories, and leadership. Typically Offered: Fall. Cooperative: open to WSU degree-seeking students.

## NS 2210 Introduction to Naval Science Laboratory 3 (1 credit)

Practical instruction for introduction to sophomore naval science students. Typically Offered: Fall. Cooperative: open to WSU degree-seeking students.

## NS 2220 Introduction to Naval Science Laboratory 4 (1 credit)

Practical instruction for introduction to sophomore naval science students. Typically Offered: Spring. Cooperative: open to WSU degree-seeking students.

## NS 2990 (s) Directed Study (1-16 credits, max 99)

Credit arranged. Cooperative: open to WSU degree-seeking students.

## NS 3030 Ship Systems I (3 credits)

Intro to naval shipboard engineering systems; propulsion systems; nuclear, gas turbine, and conventional; auxiliary systems and shipboard damage control; and basic concepts in ship design. Typically Offered: Fall. Cooperative: open to WSU degree-seeking students.

## NS 3040 Ship Systems II (3 credits)

Naval weapons systems; theory and process of detection (radar and sonar), evaluation; weapons; delivery, guidance, and explosives; and integration of weapons systems with command, control, and communications systems. Typically Offered: Spring. Cooperative: open to WSU degree-seeking students.

## NS 3110 Evolution of Warfare (3 credits)

Evolution of war through tactics; strategy from Sun Tzu to J. F. C. Fuller. Recommended preparation: NS 1010, NS 1040. Typically Offered: Spring. Cooperative: open to WSU degree-seeking students.

## NS 3210 Introduction to Naval Science Laboratory 5 (1 credit)

Practical instruction for introduction to junior naval science students. Typically Offered: Fall. Cooperative: open to WSU degree-seeking students.

## NS 3220 Introduction to Naval Science Laboratory 6 (1 credit)

Practical instruction for introduction to junior naval science students. Typically Offered: Spring. Cooperative: open to WSU degree-seeking students.

## NS 4020 Naval Leadership and Ethics (3 credits)

An intellectual exploration of Western moral traditions and ethical philosophy within a military context. Topics will include military leadership, core values, professional ethics, and conduct of warfare with applications appropriate for future Navy and Marine Corps officers. Recommended preparation: NS 2060. Typically Offered: Spring. Cooperative: open to WSU degree-seeking students.

## NS 4030 (s) Workshop (1-16 credits, max 99)

Credit arranged Cooperative: open to WSU degree-seeking students.

## NS 4040 (s) Special Topics (1-16 credits, max 99)

Credit arranged. Cooperative: open to WSU degree-seeking students.

## NS 4060 Naval Operations (3 credits)

Naval operations and tactics, relative motion, and maneuvering boards. Typically Offered: Fall. Cooperative: open to WSU degree-seeking students.

## NS 4120 Fundamentals of Maneuver Warfare (3 credits)

Amphibious doctrine and its relation to maneuver warfare. Recommended preparation: NS 3110. Typically Offered: Spring. Cooperative: open to WSU degree-seeking students.

## NS 4210 Introduction to Naval Science Laboratory 7 (1 credit)

Practical instruction for introduction to senior naval science students. Typically Offered: Fall. Cooperative: open to WSU degree-seeking students.

## NS 4220 Introduction to Naval Science Laboratory 8 (1 credit)

Practical instruction for introduction to senior naval science students. Typically Offered: Spring. Cooperative: open to WSU degree-seeking students.

## NS 4230 Introduction to Naval Science Laboratory 9 (1 credit)

Practical instruction for introduction to senior naval science students. Typically Offered: Fall. Cooperative: open to WSU degree-seeking students.

## NS 4240 Introduction to Naval Science Laboratory 10 (1 credit)

Practical instruction for introduction to senior naval science students. Typically Offered: Spring. Cooperative: open to WSU degree-seeking students.

## NS 4990 (s) Directed Study (1-16 credits, max 99)

Credit arranged. Cooperative: open to WSU degree-seeking students.