

# Department of Naval Reserve Officers Training Corps (NROTC)

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## Purpose and Goals

The Prairie View A&M University Naval ROTC Unit was established in March of 1968. The staff of the Naval Science Department consists of active-duty Navy and Marine Corps personnel and civilian administrative assistants who are dedicated to producing officers of the highest quality for the Navy and Marine Corps.

Upon graduation, qualified Naval ROTC Midshipmen, Officer Candidates, and Marines are commissioned as Ensigns in the United States Navy or Second Lieutenants in the United States Marine Corps. Depending on the community selected, midshipmen are obligated to serve a minimum of five years of active duty.

## NROTC Programs

### Four-Year Scholarship Program

Naval ROTC Midshipmen join the unit as recipients of various scholarships four-year National Scholarship, Minority Serving Institution Scholarship Reservation (formerly Historically Black College/University Scholarship), or Frederick C. Branch Scholarship or as college program candidates seeking a scholarship opportunity. Scholarship NROTC students are selected annually through nationwide competitive examinations, interviews, and reviews of high school records. Those selected for scholarships are appointed Midshipmen U.S. Naval Reserve and receive benefits which include tuition, instructional fees, uniforms, book stipend (\$750 per year), and a monthly stipend of \$250-\$400 for a maximum of 40 months (Current monthly stipend is \$250 for freshman, \$300 for sophomore, \$350 for juniors, and \$400 for seniors).

### Two-Year Scholarship Program

Men and women who are junior college transfers are eligible to participate in the NROTC program if they are physically qualified and selected for training during their sophomore year. Each student selected will receive six weeks of Navy-oriented instruction and drill in lieu of the normally required freshman and sophomore naval science courses. Training occurs during the summer between the sophomore and junior years at the Naval Science Institute (NSI). Successful completion of the NSI course qualifies these students for enrollment in junior-year NROTC courses and for appointment as NROTC scholarship Midshipmen.

### College Program

Students that do not meet the requirements for a four-year scholarship may voluntarily enter the NROTC Program and participate in all unit classes, laboratories, activities, and events during their freshman and sophomore year. In order to continue in the program and receive a commission, these students must either be selected for a scholarship or meet the requirements to be selected as to advanced standing prior to the start of their junior year. Transfer to the scholarship program or advanced standing in the college program requires the student to meet Navy physical qualification standards and demonstrate leadership ability and high academic performance.

- Those selected for the scholarship are appointed Midshipmen, United States Naval Reserve, and receive benefits during their remaining years of school which include tuition, instructional fees, uniforms, a book stipend (\$750 per year), and a monthly stipend of \$250-\$400 for a maximum of 40 months.
- College program students receive uniforms and naval science textbooks upon entering the advanced phase of Naval Science as juniors; students receive a stipend of \$350 per month (\$400 per month as a senior) for a maximum of 20 months.

## Naval Science Minor Program Requirements

Any student attending Prairie View A&M University can minor in Naval Science by completing the following academic requirements:

### Minor Field Requirements

Note: Students must earn a minimum grade of a "C" in all classes taken in their major disciplines and a minimum grade of a "C" in all classes taken in their minor disciplines.

## Commissioning Program Requirements

In order to receive a commission in either the United States Navy or United States Marine Corps, a student must be accepted into a four-year scholarship, two-year scholarship, or advanced standing in the college program.

## Commissioning Academic Requirements

### Ensign, United States Navy

NAVY 1302	Sea power and Maritime Affairs	3
NAVY 2301	Leadership and Management I	3
NAVY 2302	Navigation and Naval Operations I	3
NAVY 3301	Navigation and Naval Operations II	3
NAVY 3302	Naval Ships Systems I	3
NAVY 4301	Naval Ships Systems II	3
NAVY 4302	Leadership and Management II (Must take 6 hours of Physics & Calculus)	3
Must take 6 SCH of Physics & Calculus		6
PHYS 2325	University Physics I	
PHYS 2326	University Physics II	
MATH 2413	Calculus with Analytic Geometry I	
MATH 2414	Calculus with Analytic Geometry II	
Must take 6 SCH of English		6
ENGL 1301	Freshman Composition I	
ENGL 1302	Freshman Composition II	
ENGL 2314	Advanced Composition	
ENGL 3302	Creative Writing Practices	
ENGL 3322	Advanced Grammar	
Select one of American History/National Security Policy		3
ARMY 2320	Military History	
HIST 1301	United States History I	
HIST 1302	United States History II	
HIST 2320	Military History	
POSC 3353	U.S. Foreign Policy	
Select one World Culture or Regional Study		3
ARAB 1301	Elementary Arabic I	
ARAB 1302	Elementary Arabic II	
CHIN 1301	Beginning Chinese I	
CHIN 1302	Beginning Chinese II	
CHIN 2311	Intermediate Chinese I	
CHIN 2312	Intermediate Chinese II	
HIST 3371	Post-Colonial African History	
HIST 2381	African-American History	
POSC 2353	Latin American and Caribbean Politics	
SOCG 2302	Black Families	
SPAN 4300	Hispanic Civilization and Culture II	

**Total Hours** **42**

**Second Lieutenant, United States Marine Corps**

NAVY 1301	Introduction to Naval Sciences	3
NAVY 1302	Sea power and Maritime Affairs	3
NAVY 2301	Leadership and Management I	3
NAVY 3310	Evolution of Warfare	3
NAVY 4302	Leadership and Management II	3

**Total Hours** **15**

Note: All Naval Science courses, for students pursuing a commission, include a mandatory two-hour (0 SCH) Professional Development Leadership Laboratory.

## Commensurate Programs

1. Naval Science students may select naval science courses as free electives or electives in their degree programs.
2. Naval Science students may substitute Introduction to Naval Science (NAVY 1301), Leadership and Management I (NAVY 2301), for up to two semester hours of the physical education activity requirement in the general education program.
3. NAVY 1302 (Sea Power) may be substituted for three of the University's mandatory six history hours

NOTE: The NROTC Scholarship is a four-year scholarship requiring students to be commissioned within eight semesters. An additional 24 to 38 SCH hours is required beyond the student's normal degree requirements. Naval Science students must plan accordingly. All Naval Science students must take at a minimum of 15 SCH per semester; 12 SCH major requirements and three (3) SCH for Naval Science courses. Dependent on credit hour requirements of the individual's major, Naval Science students may be required to complete 18 to 22 hours per semester in order to graduate on time.

## Naval Science Curriculum Sequence

### Freshman

Fall - Semester 1	Hours	Spring - Semester 2	Hours
NAVY 1301		3 NAVY 1302	3
<b>Total</b>		<b>3 Total</b>	<b>3</b>

### Sophomore

Fall - Semester 1	Hours	Spring - Semester 2	Hours
NAVY 2301		3 NAVY 2302	3
<b>Total</b>		<b>3 Total</b>	<b>3</b>

### Junior

Fall - Semester 1	Hours	Spring - Semester 2	Hours
NAVY 4301		3 NAVY 3302	3
<b>Total</b>		<b>3 Total</b>	<b>3</b>

### Senior

Fall - Semester 1	Hours	Spring - Semester 2	Hours
NAVY 3301		3 NAVY 4302	3
<b>Total</b>		<b>3 Total</b>	<b>3</b>

**Total Hours: 24**

## Special Requirements

Scholarship students must complete the following specified college courses taught by civilian faculty as delineated below. College program students are encouraged to complete the courses in order to improve potential selection for a scholarship.

Title	Year Taken	Normally Required or Recommended	Minimum Semester Hours
Calculus (Differential and Integral) (two of the following courses): MATH 2413 & MATH 2414	Freshman-Sophomore	Required of all Navy Option Scholarship students by end of Sophomore year.	6 SCH
University Physics (Calculus-based): PHYS 2325 and PHYS 2326	Sophomore-Junior	Required of all Navy Option Scholarship students by end of Junior year.	6 SCH

1. All Navy drills, ceremonies, information briefings, seminars, and supplemental workshops scheduled during any semester are considered naval science course requirements. Students are required to participate in all unit activities scheduled.
2. Swimming at the level of a third-class swimmer is required prior to the first midshipman summer cruise.
3. Qualification as a Mate A and Skipper B in the unit's small boat sail program.
4. Development Opportunities. Through the NROTC program, Midshipmen may become members of the Drill Team, Color Guard, and Navy and Marine Corps professional societies. Midshipmen are encouraged to participate in all areas of university life, athletic, student government, and university committees.

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## Courses

### **NAVY 1301 Introduction to Naval Sciences: 3 semester hours.**

A general introduction to the naval profession and to concepts of sea power. Instruction emphasizes the mission, organization, and warfare components of the Navy and Marine Corps.

### **NAVY 1302 Sea power and Maritime Affairs: 3 semester hours.**

A survey of U.S. Naval History from the American Revolution to the present, with emphasis on major developments. Included is an in-depth discussion of the geopolitical theory of Mahan.

### **NAVY 2301 Leadership and Management I: 3 semester hours.**

A comprehensive, advanced-level study of organizational behavior and management in the context of the naval organization. Topics include a survey of the management functions of planning, organizing, and controlling; an introduction to individual and group behavior in organization; and extensive study of motivation and leadership. Practical applications are explored by the use of experiential exercises, case studies, and laboratory discussions.

### **NAVY 2302 Navigation and Naval Operations I: 3 semester hours.**

An in-depth study of plotting, including theory, principles, and procedures. Other topics discussed include tides, currents, effects of wind and weather, plotting, use of navigation instruments, types and characteristics of electronic navigation systems, and A Day's Work in Navigation.

### **NAVY 3301 Navigation and Naval Operations II: 3 semester hours.**

A study of relative-motion vector-analysis theory, relative motion problems, formation tactics, and ship deployment. Also included is an introduction to Naval Operations and operations analysis, communications and seamanship.

Prerequisites: NAVY 2302 or NAVY 2023.

### **NAVY 3302 Naval Ships Systems I: 3 semester hours.**

A detailed study of ship characteristics and types, including ship design, hydrodynamic forces, stability, compartmentation, propulsion, electrical and auxiliary systems, interior communications, ship control, and damage control.

### **NAVY 3310 Evolution of Warfare: 3 semester hours.**

This course traces historically the development of warfare from the dawn of recorded history to the present, focusing on the impact of major military theorists, strategists, tacticians, and technological developments.

### **NAVY 3399 Independent Study: 3 semester hours.**

Navy 3000 level course reading and/or field work on selected topics.

### **NAVY 4301 Naval Ships Systems II: 3 semester hours.**

This course outlines the theory and employment of weapons systems. The student explores the processes of detection, evaluation, threat analysis, weapon selection, delivery, guidance, and explosives. Fire control systems and major weapon types are discussed.

### **NAVY 4302 Leadership and Management II: 3 semester hours.**

This course is designed to acquaint graduating Midshipmen with the basic elements of naval leadership, ethics, and junior officer responsibilities through the study of the Navy's Core Values, ethics, military justice, naval human resources management, directives and correspondence, naval personnel administration, material management and maintenance, and supply systems.

Prerequisites: NAVY 2301 or NAVY 2013.

### **NAVY 4311 Fundamentals of Maneuver Warfare: 3 semester hours.**

Broad aspects of warfare and their interactions with maneuver warfare doctrine. Specific focus on the United States Marine Corps was the premier maneuver warfare fighting institution. Historical influences on current tactical, operational, and strategic implications of maneuver warfare practices in current and future operations. Case studies. Repeat credit for students who have completed NAVY 4103 Amphibious Warfare.

### **NAVY 4399 Independent Study: 3 semester hours.**

Navy 4000 level course reading and/or field work on selected topics.