College of National Services

Dean: Colonel Matthew Smith

The College is comprised of the Departments of Army Military Science, Naval Science and Aerospace Science; each having a department chair and staff.

Corps of Cadets & ROTC Requirements **(**http://catalog.norwich.edu/archives/2020-2021/residentialprogramscatalog/studentservices/corp/**)**

Army Military Science

Professor COL Joel D. Newsom , Assistant Professors, MAJ Charles Brink, MAJ Daniel Silver, CPT Eric Bowerman, CPT Chad Tierney, LTC DeAndre Garner, MSG John Diggles, CPT Zachary Kozimor, CPT Susan Redwine (Dartmouth Liaison Officer), CPT Wesley Trumbauer; Instructors, Mr. Sean Beebe, Mr. John Burns, SSG Travis Frisbey, SFC Daniel Helman, SFC Jesse Spear, SFC Christopher Nunez, SSG Dalton Brown, SFC Justin McCoy.

The program of Military Science (MS) attracts, motivates, and prepares selected students to serve as commissioned Officers in the U. S. Army total force, either on active duty or on reserve duty with the National Guard or Army Reserve. It provides an appreciation and understanding of the history and future efforts of land power in the defense of the United States. It develops the dynamic leadership required in the 21st century and complements the baccalaureate degree, in the chosen course of study.

The MS Leadership Laboratory is a weekly, two-hour period of practical instruction and an integral part of the Military Science curriculum (http://catalog.norwich.edu/archives/2020-2021/residentialprogramscatalog/coursedescriptions/ms/), enhancing leadership, physical fitness, and military skills training. Outside of the regular curriculum, there are three, Practical Military Training companies offering additional training and development:

- Mountain Cold Weather Company (MCW) traces its roots to post WWII when former members of the 10th Mountain Division saw the need to continue training soldiers in the concepts of mountain warfare and formed MCW at Norwich University. They become exceptionally proficient in climbing, rappelling, skiing, and snowshoeing, as well as tactical operations at elevation and/or in sub-zero temperatures. Commissioning Cadets who successfully complete MCW training enter the Army knowing they bring highly valued skills that few of their peers possess. Norwich University's MCW enjoys a close relationship with the Army's Mountain Warfare School, located 47 miles north in Jericho, Vermont.
- Ranger Company Ranger Company: Combines light infantry tactics, techniques, and procedures; modern equipment; and austere learning environments; with camaraderie, mentorship, and coaching to develop the future Leaders of Norwich and the U.S. Army.
- Norwich Artillery Battery: Cadets develop leadership skills through rigorous training while employing various artillery pieces, such as the M1A1, 75mm Pack Howitzer, Sir W.C. Armstrong, and the Whitworth Salute Cannon.

The Army ROTC Basic Course provides military instruction required for entry for the Advanced Course. Cadets may attend Basic Camp held at Fort Knox during Cadet Summer Training (CST). To qualify for enrollment in the Army ROTC Advanced Course (MS 300/400) requires:

- 2.0 minimum cumulative GPA
- Physical requirements
- 2.0 minimum GPA in the Army ROTC Basic Course (MS 100 & MS 200)
- Demonstrated leadership potential

The Advanced Course requires completion of a thirty-day Advanced Camp in the summer, after the Junior year. Additional professional development opportunities include Army schools (Airborne, Air Assault, Mountain Warfare, etc.), Cultural Understanding Language Proficiency, and International study abroad (e.g. Project Global Officer). Cadets must also participate in a field training exercise in both fall and spring of every year in the ROTC program.

In addition to the Military Science courses, Cadets are required to complete a military history course: (HI 235 and HI 236 are the preferred courses, however, the following courses also meet the requirement;HI 121, HI 122, HI 214, HI 224, HI 326, HI 329, HI 332, HI 333, HI 334, HI 338, HI 339, HI 355, HI 372 and HI 373). The Army ROTC program is integrated with the Corps of Cadets. Membership in the Corps of Cadets is required to contract and pursue an Army ROTC commission.

Naval Science

Professor Col Scott E. Conway; Assistant Professors CDR , Philip D. Zarum Capt Matthew C. Hirsch, Capt Robert E. Denoyer, LT Joseph T. Walden, LT Francesco Calabrese, LT Connor T. Ferguson, SSgt Domenick J. Distano

To develop midshipmen morally, mentally and physically; to imbue them with the highest ideals of duty and loyalty; and to instill in them the core values of honor, courage and commitment in order to commission college graduates as naval officers who possess a basic professional background, are motivated toward careers in the naval service, and have a potential for future development in mind and character so as to assume the highest responsibilities of command, citizenship and government.

The primary goals of the Naval ROTC Program are to provide students:

- A strong sense of personal integrity, honor, and individual responsibility;
- Leadership training to successfully lead others under stressful and demanding conditions;
- An understanding of the fundamental concepts of naval science and a basic level of military aptitude;
- An academic background to successfully undertake demanding leadership and managerial positions;
- A high state of physical fitness for personal health and performance.

The Naval Science Leadership Laboratory is a weekly two-hour period during each academic semester. Emphasis is placed on non-academic professional training. The laboratory is intended for such topics as drill and ceremonies, leadership and ethics, physical fitness and swim testing, cruise preparation and evaluation, safety awareness, preparation for commissioning, personal finances, and applied exercises in naval ship systems, navigation, naval operations, naval administration, small unit infantry tactics, and military justice. Enrollment into Naval Science Laboratory is restricted to students contracted to U.S. Navy and U.S. Marine Corps.

In addition to the Naval Science courses, Cadets seeking a commission in the Navy or Marine Corps through the NROTC program must also successfully complete the academic courses listed below.

Requirement	Courses
Physical Science (6 credits required for Navy Advanced Standing students)	Any BI, CH, ES, GL, ID, PH or SM courses
Calculus (6 credits required for Navy Scholarship students)	MA 121, MA 122
Physics (8 credits required for Navy Scholarship students)	PS 211, PS 212
English (6 credits required for all Navy & Marine students)**	EN 101, EN 102, EN 201, EN 202, EN 203, EN 204, EN 210, EN 222 or any higher EN course
World Culture & Regional Study (3 credits required for all Navy Scholarship, Advanced Standing, Nurse students)***	CN 321, CN 322, GR 325, HI 211, HI 212, HI 214, HI 218, HI 224, HI 315*, HI 317*, HI 319*, HI 329, HI 345*, HI 361*, HI 363*, PO 202, PO 305, PO 310, PO 320, PO 340, PO 348, PO 405, SO 212
American History/ National Security Policy (3 credits required for all Navy & Marine students)****	CJ 330, CJ 430, EN 270, EN 272, HI 235, HI 236, HI 331*, HI 332*, HI 333*, HI 334*, HI 335*, HI 338*, HI 339*, HI 340*, HI 341*, HI 355*, HI 371*, HI 372*, HI 373*, PH 340, PO 105, PO 106, PO 215, PO 305*, PO 312*, PO 333*, PO 412*, PO 415*
Naval Sciences (Required for all Navy-Option ROTC Students)	NS 121, NS 122, NS 131, NS 221, NS 222, NS 321, NS 322, NS 421, NS 422
Naval Science (Required for all Marine-Option ROTC students)	NS 121, NS 122, NS 131, NS 221, NS 242, NS 331, NS 342, NS 342L, NS 435, NS 422

* Course can be taken with professor's approval. If a student is not majoring in that subject, they must meet with the professor prior to registration to receive permission.

** English courses total 6 credits and must concentrate on grammar and composition and require significant student writings.

*** World Culture & Regional Studies courses must have a cultural emphasis on regions of interest to the Navy. This requirement expands future officer corps' awareness, knowledge, and sensitivity to world cultures and peoples. Foreign language courses that do not provide instruction on culture are insufficient to meet this requirement.

**** American History/National Security Policy courses shall focus on U.S. military history, world military history, U.S. National Security policy, or combinations of these topics.

Air Force Aerospace Science

Professor Col Matthew Smith; Assistant Professors: Lt Col Jason Clifford, Maj Jacob Hummel, Capt Bradley Lilly, Maj James Olsen, TSgt Justin Barnacascel; and SSgt Nathaniel Washington.

The Air Force ROTC program provides professional preparation for future Air and Space Force officers.

AFROTC is divided into two major programs: the General Military Course (GMC) and the Professional Officer Course (POC).

- The GMC is offered during the freshman and sophomore years; the course discusses the structure, doctrine, and function of the Air Force, communication skills and the historical role of air and space power.
- Admission to the POC is on a competitive basis. To enroll in the POC, students must pass the Air Force Officer Qualifying Test (AFOQT), and an Air Force physical examination, meet academic and physical fitness standards, successfully complete the AFROTC field training program, and be selected by a board of Air Force officers. The first year of the POC is leadership theory and practice, Air Force management theory and practice, and other aspects of being a professional officer. The second and final year of the POC addresses a broad range of civil/military relations, and the overall social and political context in which U.S. defense policy is formulated and affected.

Leadership Laboratory meets weekly for two hours throughout enrollment in Air Force ROTC. Instruction is conducted within the framework of an Air Force organization with a progression of experience designed to develop students' leadership potential. The cadet physical training program is an essential part of leadership laboratory and is mandatory for all cadets. A detailed introduction and orientation to life on an active Air or Space Force base occurs during a field encampment (field training) between the student's sophomore and junior years.

Air and Space Force Cadets who are awarded a scholarship must either choose one of the following technical majors or complete 24 credits of technical classes or complete four semesters for a foreign language.

Technical Majors:

- Architecture (Master's Program only)
- Biochemistry
- Chemistry
- Computer Science
- Engineering (any concentration)
- Math (any concentration)
- Physics

Certificates

- Military Studies Certificate--Aerospace Science (http://catalog.norwich.edu/archives/2020-2021/residentialprogramscatalog/collegeofnationalservices/certairforce/)
- Military Studies Certificate--Military Studies (http://catalog.norwich.edu/archives/2020-2021/residentialprogramscatalog/collegeofnationalservices/certarmy/)
- Military Studies Certificate--Naval Science (http://catalog.norwich.edu/archives/2020-2021/residentialprogramscatalog/collegeofnationalservices/certnaval/)

Minor

Military Studies Naval Science Minor curriculum Map 2018-2019 Catalog

NS 221	Leadership and Management [c]	3
NS 422	Leadership and Ethics [c]	3
Complete 3 of the Following Courses:		
NS 122	Sea Power and Maritime Affairs [c]	3
NS 222	Navigation [c]	3
NS 321	Naval Ship Systems I [c]	3
NS 322	Naval Ship Systems II [c]	3
NS 331	Evolution of Warfare [c]	3
NS 342	Small Unit Leadership Skills (AND) [c]	2
NS 342L	Small Unit Leadership Skills Lab [c]	1
Complete 1 of the Following Courses:		
NS 421	Naval Operations and Seamanship [c]	3
NS 435	Fundamentals of Maneuver Warfare [c]	3
Total Cr.		18

[c] Grade of C or higher required.