APPLICATION PROCESS

All required forms, instructions, and examples for applying can be found at www.nps.edu/admissions.

Application packages must include a letter from employer stating their willingness to pay the tuition for the program and supply salary and benefits during your time as a student.

Applications should be sent to:
Director of Admissions
Code 01C3, He-022
Naval Postgraduate School
1 University Circle Monterey, CA 93943

If you have any questions please contact:
grad-ed@nps.edu
(831) 656-3093/DSN 756-3093

TUITION

Tuition rates vary depending on a students employer.

- DoD civilian tuition is $16,000 per year for a full-time, resident student.
- DoD contractor tuition is $32,000 per year for a full-time, resident student.
- For information regarding international students admission contact International Graduate Programs office at (831) 656-2186 or intldept@nps.edu

FOR MORE INFORMATION

Please Contact:

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Mechanical and Aerospace Engineering
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www.nps.edu/mae/autonomoussystems

NAVAL POSTGRADUATE SCHOOL

AUTONOMOUS SYSTEMS TRACK

NAVAL
POSTGRADUATE
SCHOOL

Mechanical & Aerospace Engineering Department
700 Dyer Road RM 338
Phone (831) 656-2586
Fax (831) 656-2238
www.nps.edu
Autonomous Systems Track Description

The autonomous systems track course sequence is taken in conjunction with courses required for the standard Master's of Science degree. The courses can be taken over the course of a year and cover the critical technology areas related to autonomous systems modeling, analysis, design, and operation.

The core courses of the track are:
- Introduction to Unmanned Systems
- Low-Level Control of Unmanned Vehicles
- Unmanned Vehicles Navigation
- High-Level and Discrete Event Control of Autonomous Systems
- Computer Vision
- C^3 Networks for Unmanned Systems
- Collaborative Control of Multiple Autonomous Systems
- Unmanned Systems Design

The final course in this sequence, Unmanned Systems Design, is a capstone course that integrates the material into a design of (a component of) an autonomous underwater, surface, ground, aerial, or space system, its algorithm or sensor to be tested within the tactical network environment during quarterly field experiments at Camp Roberts Training Site.

Other Courses

Additional courses related to autonomous systems may be taken as electives. Some of the available courses are listed below:
- Signal Processing;
- MEMS-Based Sensors;
- Optimal Estimation: Sensor and Data Association;
- Electronic Warfare Systems;
- Adaptive / Robust Control;
- Network Operating Centers;
- Underwater Acoustics, Sonar Transducer Theory and Design;
- Lasers, Optoelectronics, and Electro-Optics;
- Virtual Environments Modeling and Simulations;
- Joint Campaign Analysis;
- System-of-Systems Operating Environment.

NPS Faculty

The NPS faculty is comprised of accomplished scholars and professionals, predominantly civilian and almost all with doctorates. About 10 percent of the faculty members are senior military officers who, along with students, infuse important operational and combat experience into the education and research programs. Several Federal agencies and defense organizations, such as NASA, NRO, National Security Agency, as well as defense contractors, sponsor academic chair professorships which further strengthen the institution's relevance.

Research Facilities

NPS has a wide range of excellent, state-of-the-art research facilities that support underwater, surface, ground, aerial, space systems propulsion; guidance, navigation and control; combat systems design; electronic warfare; electro-optics; MEMS sensors; and many other areas. In addition to that, a well-established field experimentation program provides a unique opportunity to test a developed autonomous system or its sensor in a restricted airspace, 100 miles South from NPS or in Monterey Bay. These facilities are available for thesis research and joint and cooperative projects, between NPS and other service or agency laboratories as well as cooperative research and development agreements (CRADAs) with industry.

www.nps.edu/mae/autonomoussystems