Frequently Asked Questions

Who can enroll in this program?
US and allied government civilians, active duty officers, and a limited number of major defense contractors are eligible.

What are the entrance requirements?
The minimum requirement is a bachelor's degree in a physical science or engineering including differential and integral calculus and one year of calculus-based physics.

What is the cost?
The tuition for NPS courses is $3200 per course. A minimum of 9 courses are required. In addition, a 1-week residency period is required to gain experience with experimental techniques. Textbook costs are additional.

How much time will it take?
Completion of course work will take approximately 27 months and will require about 12 hours per week. Thesis completion may take additional time.

Contact Information

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A Distance Learning Program in Engineering Acoustics (MSEA/MEA) Systems Curriculum (535)

Interdisciplinary degrees in Engineering Acoustics (MSEA/MEA) are offered by the Department of Physics and the Department of Electrical and Computer Engineering through the Engineering Acoustics Academic Committee

www.nps.edu/Academics/
www.nps.edu/DL/

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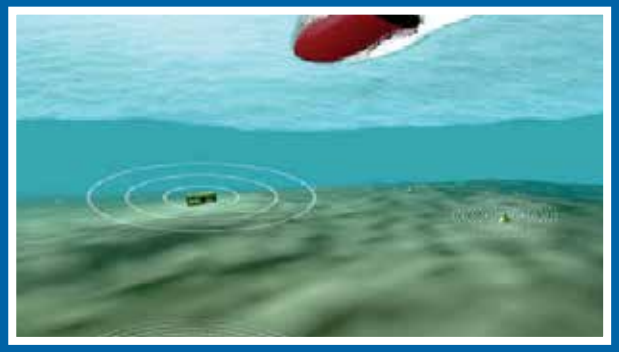
NAVAL POSTGRADUATE SCHOOL

The Curriculum

The Engineering Acoustics (MSEA/MEA) Systems Curriculum (535) offers two degree options. The Master of Science in Engineering Acoustics (MSEA) is offered to both resident and Distributed Learning students. The non-thesis option Master of Engineering Acoustics (MEA) is designed for non-resident practicing engineers who have previous experience with independent research and scientific communication. All students complete a one-quarter capstone project in addition to the course work. Thesis students are encouraged to use the project towards their research.



Courses are taught primarily via streaming video or VTC. Students without access to VTC facilities can, in those cases, participate in classes via streaming video online or recorded podcasts.

Key Disciplines

NPS courses are unique in their strong DoD focus. Designed primarily for resident active duty military students, many of the courses feature extensive class notes and/or classic textbooks written by NPS faculty with military applications in mind.

The Benefits

Students who complete a Masters degree in Engineering Acoustics (MSEA/MEA) will learn

- How structures vibrate and radiate sound
- How sound waves interact with matter
- Ray theory and the typical propagation paths of sound in the ocean
- Design trade-offs and fundamental limits in transducer theory and design
- Digital signal processing and advanced beamforming techniques
- Advanced concepts in acoustic
- propagation Sonar analysis for acoustic sensing and communication systems