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# UNDERSEA WARFARE

The Undersea Warfare Curriculum educates officers in the engineering fundamentals, physical principles and analytical concepts that govern operational employment of undersea warfare (USW) sensors and weapons systems. Program is interdisciplinary and integrates; mathematics, physics, acoustics, electrical engineering, oceanography, operations analysis, human factors, computer science and meteorology. The academic content divides naturally into four major specialty areas: Applied Physics with emphasis on underwater acoustics and weapons, Physical Oceanography with emphasis on environmental factors affecting sonic and radiative surveillance, Engineering Acoustics with emphasis on signal processing, and Operations Analysis with emphasis on tactical applications and decision analysis. The program is administered by the Undersea Warfare Academic Group, composed of faculty from supporting academic departments at NPS.



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*This page maintained by Rob Bourke, Coastal Ocean Acoustics Center, NPS*

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