

# Naval Hydrodynamics

## Chair, Department of Mechanical and Industrial Engineering

- Ching-Long Lin

## Coordinators

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**Undergraduate certificate:** naval hydrodynamics

**Website:** <https://mie.engineering.uiowa.edu/certificate-naval-hydrodynamics>

Science and technology challenges related to national defense in maritime environments demand a workforce with a strong foundation in the engineering sciences related to fluid flow, computational and experimental methods, dynamical systems, and control. The Certificate in Naval Hydrodynamics introduces students to the basic principles of naval hydrodynamics including propulsion, resistance, maneuvering, and seakeeping.

Students completing the certificate will work in a unique learning community where they will have an opportunity to contribute to projects of interest to the Navy and its supporting industry, and learn about potential career paths.

## Programs

## Undergraduate Program of Study Certificate

- Certificate in Naval Hydrodynamics