

MECHANICAL ENGINEERING (M.S.)

<https://ceps.unh.edu/mechanical-engineering/program/ms/mechanical-engineering>

- Ability to communicate research results to scientific audience in conferences. [PhD]
- Ability to work collaboratively with other peers. [MS/PhD]

Description

The Department of Mechanical Engineering offers a master of science degree. The department offers studies leading to specialization in the following six concentrations:

- *Fluid Dynamics and Thermal science*
- *Solid Mechanics*
- *Materials Science*
- *Design and Manufacturing*
- *Dynamic Systems and Control*
- *Ocean Engineering*

Requirements

Code	Title	Credits
Degree Requirements		
Select 24 credit hours of course work ¹		24
ME 899	Master's Thesis	8
Total Credits		32

¹ The coursework must include at least two 900-level courses (3 or more credits each).

All full-time graduate students are required to attend a weekly Mechanical Engineering Graduate Seminar and make one presentation per year.

A "B" average (3.00 GPA) with no grade below "B-" is required in all the coursework. No more than 12 credit hours from UNH graduate courses (8 credit hours from non-UNH graduate courses) taken prior to admission to the Graduate School may be applied to the master's degree.

Note: An oral examination (thesis defense) covering the candidate's graduate work is conducted and a thesis is prepared in accordance with the Graduate School rules.

Student Learning Outcomes

- A deep understanding of at least one core area of Mechanical engineering (e.g., solid mechanics and mechanics of materials, fluid mechanics and thermal science, systems and controls, ocean engineering. [MS/PhD]
- A broader understanding of at 1-2 areas of Mechanical Engineering that are different from the area of research of the student's thesis. [MS/PhD]
- Ability to think critically and creatively in defining research questions and to outline strategies of inquiry. [MS/PhD]
- Ability to document research outcomes comprehensively for publication. [MS/PhD]