

MECHANICAL ENGINEERING - MASTER OF SCIENCE (MS)

The Master of Science Thesis is a degree program that is well suited for students pursuing a career in academia or industry with a research component. MS Thesis students may choose from focus areas including (but not limited to) air quality, biomedical, design, energy and environment, materials, mechanics of materials, microsystems, and robotics/control. Students declare the MS Thesis program only after confirmation of a faculty member willing to serve as their thesis advisor. With support from the thesis advisor, students in this program have the option of smoothly transitioning into the PhD program.

If a student plans to earn a master's degree and then immediately continue on to a PhD, they can apply directly to the PhD program (<https://catalog.colorado.edu/graduate/colleges-schools/engineering-applied-science/programs-study/mechanical-engineering/mechanical-engineering-doctor-philosophy-phd/>); it is not necessary to earn a master's degree separately.

For more information, visit the department's Master of Science Thesis (<https://www.colorado.edu/mechanical/current-students/graduate/master-science-thesis/>) webpage.

Requirements

The mechanical engineering Master of Science Thesis curriculum is designed to provide a balance between a modern technological focus and disciplinary depth.

Students must complete at least 30 graduate-level credit hours, to include at least 18 credits in mechanical engineering, including 6 credits of thesis work. Students must also take MCEN 5020 Methods of Engineering Analysis 1 and MCEN 5208 Introduction to Research Methods as a part of the thesis degree requirements. Up to 12 credits may be taken outside of the department. To have courses count towards the degree, they must be numbered 5000-level or above secure a thesis advisor for research and earn a C or above.

Students must secure a thesis advisor for research and course guidance.

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