

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 choose from focus areas in air quality, biomedical, design, energy and environment, materials, mechanics of materials, microsystems, and robotics/control. With support from the research 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.

Bachelor's–Accelerated Master's Degree Program

Students may earn this degree as part of the Bachelor's–Accelerated Master's (BAM) degree program, which allows currently enrolled CU Boulder undergraduate students the opportunity to earn a bachelor's and master's degree in a shorter period of time.

For more information, see the Accelerated Master's tab for the associated bachelor's degree(s): BSEV in Environmental Engineering (<https://catalog.colorado.edu/undergraduate/colleges-schools/engineering-applied-science/programs-study/civil-environmental-architectural-engineering/environmental-engineering-bachelor-science-bsev/#acceleratedmasterstext>)

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. Up to 12 credits may be taken outside of the department.

Students must secure a thesis advisor for research and course guidance, and students must attend a select number of mechanical engineering graduate seminars.

For more information, visit the department's MS - Thesis Option (<http://www.colorado.edu/mechanical/current-students/graduate/master-science-msme/ms-thesis-option/>) webpage.