MECHANICAL ENGINEERING - MASTER OF SCIENCE (MS)

The Master of Science (MS) is a degree program that is well suited for students pursuing a career in academia or industry with a research component. The curriculum follows the department’s research focus areas: air quality, bioengineering, materials, mechanics of materials, micro/nanoscale, robotics and systems design, and thermo fluid sciences. With support from the research advisor, students in this program have the option of smoothly transitioning in 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 (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 (MSME) (http://www.colorado.edu/mechanical/current-students/graduate/master-science-msme) webpage.

Concurrent Degree Program

BS/MS in Mechanical Engineering

The Master of Science degree in mechanical engineering is also available to undergraduate mechanical engineering majors through a concurrent degree program. For more information, visit the department’s BS/MS (http://www.colorado.edu/mechanical/current-students/graduate/bsms) webpage.

Requirements

The mechanical engineering Master of Science (MS) 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 15 credits (five courses, including the 3–5 required core courses) in mechanical engineering. Up to 9 credits (three courses) may be taken outside of the department.

Students must also complete 6 credits of thesis work. 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.