

MECHANICAL ENGINEERING (PH.D.)

Doctor of Philosophy. Major in Mechanical Engineering.

General Ph.D. requirements apply, along with departmental requirements as listed in the departmental graduate handbook. Preliminary screening of candidates and program planning for those admitted are essential features of the Ph.D. program. Early in the program, the student must complete a qualifying examination that will be oral and possibly written. The preliminary examination is taken after most of the course work is completed. This examination also includes a presentation of the dissertation progress or proposal. No foreign language is required; however, the department does require a satisfactory level of achievement in mathematics and numerical analyses and in computer programming.

Please see the Departmental Graduate Student Handbook (<https://www.uidaho.edu/-/media/UIdaho-Responsive/Files/engr/academic-programs/me/handbooks/me-graduate-handbook.pdf?engr-pdf=graduate-student-handbookp6>) for details and program requirements on earning the Doctor of Philosophy in Mechanical Engineering degree.

1. Graduates will be able to perform independent, self-directed research studies and apply their knowledge and skills to solve advanced problems in mathematics, science, and engineering.
2. Graduates will be experienced researchers and designers, capable of making original contributions to the field while considering real-world constraints and the impact their solution may have on society. Products and processes developed through graduate student work should add value to others in the discipline.
3. Graduates will give effective oral presentations in research groups, classrooms, and professional forums.