

# Master of Science in Mechanical Engineering

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## Admission Requirements

The applicant must meet the School of Graduate Studies' current minimum general admission requirements as published in the graduate catalog.

1. B.S. degree in Mechanical Engineering and have an acceptable GPA.
2. Overall undergraduate GPA of 2.75 or a GPA of at least 3.00 for the junior and senior years.
3. Satisfy the School of Graduate Studies' English Language Proficiency requirements as published in the graduate catalog.
4. Students seeking admission to a combined B.S./Master's program must have a GPA of at least 3.0 at the time of admission.

Students who hold an undergraduate engineering or science degree other than mechanical engineering may be admitted to provisional or qualified status with an obligation to acquire additional background in mechanical engineering as appropriate.

## Degree Requirements

Students seeking the Master of Science degree at the University of North Dakota must satisfy all general requirements set forth by the School of Graduate Studies' as well as particular requirements set forth by the Mechanical Engineering Department.

## Thesis Option

1. A minimum of 30 semester credits in a major field approved by the graduate committee, including the credits granted for the thesis and the research leading to the thesis.
2. At least one-half of the credits must be at or above the 500-level.
3. A maximum of one-fourth of the credit hours required for the degree may be transferred from another institution.
4. At least 21 credits of coursework.
5. Completion of a research project and its presentation in a thesis (4-6 credits for ME 998 Thesis).

## Non-Thesis Option

1. Thirty-two (32) credits including credits approved by the graduate advisor required for the major.
2. Two credits of ME 997 Independent Study.
3. At least one-half of the credits must be at or above the 500-level.
4. A maximum of one-fourth of the credit hours required for the degree may be transferred from another institution.
5. Preparation of a written independent study approved by the faculty advisor.
6. Comprehensive final examination.

The research project, independent study, or design project may be from interdisciplinary areas such as bioengineering or environmental engineering, or they may be topics in design, manufacturing processes, vibrations, stress analysis, materials, power, fluid mechanics, heat transfer, thermodynamics, or combustion.