Mechanical Engineering M.S.

Program Requirements
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Minimum Requirements for Mechanical Engineering M.S.: 30 credits

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td></td>
<td><strong>General University Requirements</strong></td>
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<tr>
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<td>Complete the graduate general university requirements.</td>
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<td>(<a href="https://catalog.uaf.edu/masters/#gurmastersdegreetext">https://catalog.uaf.edu/masters/#gurmastersdegreetext</a>)</td>
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<td><strong>Master's Degree Requirements</strong></td>
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<td>Complete the master's degree requirements.</td>
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<td>(<a href="https://catalog.uaf.edu/masters/#types_of_masters_degrees">https://catalog.uaf.edu/masters/#types_of_masters_degrees</a>)</td>
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<td><strong>Mechanical Engineering Program Requirements</strong></td>
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<td>Complete one of the following options:</td>
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<td>Thesis Option</td>
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<tr>
<td></td>
<td>Non-thesis Option</td>
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<td><strong>Total Credits</strong></td>
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Options

Thesis Option

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<tr>
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<td>ME F699 Thesis</td>
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<td>General Electives ¹</td>
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<tr>
<td></td>
<td>Program Electives ²</td>
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<tr>
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¹ Mechanical engineering or other engineering, science or mathematics courses approved by the student’s advisory committee

² F600-level mechanical engineering courses

Non-thesis Option

<table>
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<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<td>Complete the following:</td>
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<td>ME F698 Non-thesis Research/Project</td>
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<td>General Electives ¹</td>
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<td></td>
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² F600-level mechanical engineering courses

Admission Requirements

Complete the following admission requirements:

- Submit GRE scores.
- Complete a bachelor’s degree in mechanical engineering or closely related program.

Learning Outcomes
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Learning Outcomes are measurable statements that describe knowledge or skills achieved by students upon completion of the program.

Students graduating from this program will be able to:

- Maintain adequate progress toward their degree objectives and acquire sufficient knowledge and skills to engage in successful research projects
- Apply knowledge of mathematics, science, and engineering to the solution of engineering problems
- Develop an ability to use modern engineering tools in the pursuit of their research and career objectives
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