

**MASTER OF SCIENCE IN MECHANICAL ENGINEERING**  
**2024/25 Catalog and Later**  
**Non-Thesis Track**

**Total Minimum Hours: 30**

The program consists of a minimum coursework requirement of 30 credit hours. All MSME program students must successfully complete **EML 6105: Advanced Thermodynamics and Statistical Mechanics**, **EML 6653: Applied Elasticity**, and **EML 6060: Advanced Mathematics II**. In addition to these 9 credit hours, the MSME without thesis option requires a minimum of 21 credit hours of approved coursework. Students without an engineering bachelor's degree will be required to complete undergraduate engineering pre-requisite courses as determined by the Department. Please contact the Graduate Program Director for more information.

**Core Requirements (9 hours)**

EML 6105: Advanced Thermodynamics and Statistical Mechanics (3)

EML 6653: Applied Elasticity (3)

EML 6060: Advanced Engineering Math II (3)

**Other Requirements:**

- Minimum 9 credit hours of courses must come from within ME Department.
- A maximum of 3 credits of independent study may be applied to meet the degree requirements.
- A maximum of 6 credits taken outside the Mechanical Engineering department may be applied to meet the degree requirements.
- **Portfolio**  
MSME without thesis track students must submit two project reports completed as part of the EML coursework requirement to the Graduate Program Coordinator during the semester of graduation for evaluation and assessment. Failure to respond to this requirement will prevent students from graduating.

***Master of Science in Mechanical Engineering***

### ***Non-Thesis Option***

**Curriculum Program of Study Form (updated 3/2025)**

<b>Name:</b>		<b>Term/Year Admitted into Program:</b>
<b>USF ID #</b>		
<b>Address:</b>		
<b>Phone:</b>		
<b>Email:</b>		
<b>30 Total Credits of Coursework</b>		
<p>All students enrolled in the non-thesis track <u>must</u> take a total of 9 credit hours of core courses (listed below). In addition to these 9 credit hours, the MSME without thesis option requires a minimum of <b>21</b> credit hours of <b>approved</b> coursework.</p>		

[illegible]

- ✓ Out of 21 additional credits, minimum 9 credit hours of EML courses must come from within department
- ✓ Maximum 3 credit hours Independent Study
- ✓ Maximum 6 credit hours from outside department

<b>Total Credits Outside ME</b>	
<b>Total Credits Independent Study</b>	
<b>Total Credits (30 required)</b>	

Graduate Program Coordinator