MASTER OF MECHANICAL ENGINEERING (MME) DEGREE

Program Learning Outcomes for the MME Degree

Upon completing the MME degree, students will be able to:

1. Demonstrate an advanced command of Mechanical Engineering fieldwork.
2. Apply professional standards and exercise ethical judgment.
3. Communicate scientific ideas effectively in writing and when speaking.
4. Recognize the need for, and ability to engage in life-long learning.

Requirements for the MME Degree

The MME degree is a non-thesis master’s degree. For general university requirements, please see Non-Thesis Master's Degrees (ga.rice.edu/graduate-students/academic-policies-procedures/regulations-procedures-non-thesis-masters-degrees). Students pursuing the MME degree must complete:

- A minimum of 30 credit hours of approved coursework at the 500-level or higher.
- A minimum of 18 credit hours from departmental (MECH) course offerings.
- A minimum of 24 credit hours must be taken at Rice University.
- A minimum overall GPA of 3.0 in required coursework.

The professional master’s degree in Mechanical Engineering (MME) is a non-thesis degree program intended for students who have completed a 4-year bachelor’s program in engineering and wish to join the workforce as practicing professionals, rather than pursuing a research oriented or academic career. It offers preparation in advanced engineering topics in order to enhance an engineer’s technical qualifications and increases competitiveness in the job market. The MME program is open to students who have shown academic excellence in their undergraduate studies. Students who have a BS or BA degree in any field of engineering or related study may apply, although some may need to fulfill prerequisites or take remedial courses to earn the MME degree. Students may enroll on a full or part-time basis.

Lists of required and suggested courses are available from the department. Students should develop a specific plan of study based on their particular interests and discussions with their advisor.

Summary

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td></td>
<td>Total Credit Hours Required for the MME Degree</td>
<td>30</td>
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Degree Requirements

Core Requirements

Select 6 from the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>MECH 501</td>
<td>DYNAMICS AND CONTROL OF MECHANICAL SYSTEMS</td>
<td>18</td>
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</tbody>
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Elective Requirements

Select 4 courses at the 500-level or above.  

Total Credit Hours  

30

Footnotes and Additional Information

1 With approval by the advisor and the department, some of which could be from outside the department. None of the remaining required 12 credit hours can be from Independent-Study (MECH 611 or MECH 612) courses.

Degree at Entrance: Minimum graduate-level semester hours required (course work)

- 4-year BS: 30 credit hours
- 4-year BA: 30 credit hours

Policies for the MME Degree

Department of Mechanical Engineering Graduate Program Handbook

The General Announcements (GA) is the official Rice curriculum. As an additional resource for students, the department of Mechanical Engineering publishes a graduate program handbook, which can be found here:


Transfer Credit

For Rice University’s policy regarding transfer credit, see Transfer Credit (ga.rice.edu/graduate-students/academic-policies-procedures/regulations-procedures-non-thesis-masters-degrees). Some departments and programs have additional restrictions on transfer credit. Students are encouraged to meet with their academic program’s advisor when considering transfer credit possibilities.

For additional information, please see the Mechanical Engineering website: https://mech.rice.edu/

Opportunities for the MME Degree

For additional information, please see the Mechanical Engineering website: https://mech.rice.edu/