


**UCF Online**


## ONLINE MASTER OF SCIENCE MECHANICAL ENGINEERING, MSME

### APPLICATION DEADLINES

FALL PRIORITY

**JANUARY 15**

FALL

**JULY 1**

SPRING

**DECEMBER 1**

Application deadlines subject to change without notice, see graduate catalog for up-to-date deadlines.  
<http://catalog.ucf.edu/>

### PROGRAM AT A GLANCE

- 30 Credit Hours
- Fully Online
- Complete your degree in as little as 2 years, full time
- Thesis and Nonthesis options
- Three Tracks:
  - Guidance Control and Dynamics Track
  - Mechanical Systems Track
  - Thermofluids Track

## WELCOME

## MAKE AN INNOVATIVE IMPACT

Prepare for a career in mechanical engineering with the online Master of Science in Mechanical Engineering. The degree in Mechanical Engineering is primarily intended for students with a bachelor's degree in Mechanical or Aerospace engineering or a closely related discipline obtained from a recognized accredited institution.

## MECHANICAL ENGINEERING AT UCF

At the graduate level, UCF offers a Master of Science in Mechanical Engineering through the Department of Mechanical and Aerospace Engineering. Depending on your interest, you can choose from three program tracks:

### Guidance Control and Dynamics Track

This track was developed with strong emphasis in courses related to guidance control and dynamics with applications in mechanical engineering.

### Mechanical Systems Track

This track focuses on topics such as the mechanics of materials, computational methods and engineering design.

### Thermofluids Track

This track includes topics such as fluid mechanics, thermodynamics and turbomachinery. Apply your knowledge to a broad array of industries by earning your Master of Science in Mechanical Engineering.



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### ALUMNI PROFILE



#### M.S.M.E alumnus Abhishek Saha

*"MAE graduates are doing well in the industry and in academia."*

**Abhishek Saha** earned his Ph.D. in Mechanical Engineering from UCF in 2012. "When I was a student, it was very encouraging to see and hear about their success stories. Sometimes I would talk with them to get tips and to learn about future opportunities. I know many of them are now working at big companies like Siemens, General Electric, the Harris Corporation and Lockheed Martin, to name a few." Saha serves as an assistant professor of mechanical and aerospace engineering at the University of California, San Diego.

### CURRICULUM

#### Coursework Includes:

EML 5060 - Mathematical Methods in Mechanical and Aerospace Engineering  
EML 6104 - Classical Thermodynamics  
EAS 6185 - Turbulent Flow  
EAS 4200 - Flight and Structures  
EML-4312C - Feedback Control  
EML 5228 - Modal Analysis  
EML 4220- Vibration Analysis

For complete program requirements, see the UCF Graduate Catalog at [graduatecatalog.ucf.edu](http://graduatecatalog.ucf.edu).

### ADMISSIONS REQUIREMENTS

For information on general UCF graduate admissions requirements that apply to all prospective students, please visit the Admissions section of the Graduate Catalog. Applicants must apply online. All requested materials must be submitted by the established deadline. Applicants must choose a track in this program. Track(s) may have different requirements. In addition to the general UCF graduate application requirement, applicants to this program must provide:

- One official transcript (in a sealed envelope) from each college/university attended.
- A bachelor's degree in Mechanical or Aerospace Engineering, or a closely related discipline.
- Résumé. Statement of educational, research, and professional career objectives.
- Applicants applying to this program who have attended a college/university outside the United States must provide a course-by-course credential evaluation with GPA calculation. Credential evaluations are accepted from World Education Services (WES) or Josef Silny and Associates, Inc. only.
- Faculty members may choose to conduct face-to-face or telephone interviews before accepting an applicant into their research program.

Additional courses may be required to correct deficiencies. Applicants should contact the MMAE graduate program director for more information.

#### PROGRAM TUITION

**IN STATE**  
**\$ 327.32 per credit hour**

**OUT OF STATE**  
**\$1,151.72 per credit hour**

Current Graduate Tuition and Fee Rates  
Spring 2020

#### PROGRAM CONTACT

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