

## Related Careers

### Mechanical Engineering

Mechanical Engineer  
Civil Drafters  
Civil Engineering Technicians  
Electrical Engineering Technicians  
Electronic Drafters  
Marine Architect  
Mechanical Drafter  
Mechatronic Engineer  
Naval Architect  
Patent Examiner  
Petroleum Engineer

### Aerospace Engineering

Aerospace Engineer  
Computer Simulation Engineer  
Logistics Engineer  
Optical Engineer  
Quality Engineer  
Satellite Systems Engineer  
Software Engineer  
Stress Liaison Engineer  
Test Engineer

## Useful Skills

Ability to work as part of a team  
Able to accept responsibility and work without supervision  
Analytical and problem solving ability  
Normal color vision may be required  
Oral and written communication skills  
Practicality and creativity  
Able to identify, analyze, and solve problems  
Able to work without supervision  
Interested in computing and technical design  
Oral and written communication skills

Career Services &  
Experiential Learning  
Ferrell Commons, 7F  
Phone: 407-823-2361  
Email: [tsel@mail.ucf.edu](mailto:tsel@mail.ucf.edu)

First Year Advising & Exploration  
Phillips Hall, 116  
Phone: 407-823-3789  
Email: [fy@mail.ucf.edu](mailto:fy@mail.ucf.edu)

College of Engineering  
and Computer Sciences  
Academic Affairs Office  
Engineering 1, 107  
Phone: 407-823-2455

MECHANICAL,  
MATERIALS,  
AEROSPACE ENGINEERING

What Can I Do  
With This Major?



Division of Academic Affairs

## **What Is Mechanical Engineering?**

Mechanical engineers plan, design and oversee the development, installations, operation and maintenance of machinery. They conduct research to solve practical engineering problems and improve efficiency. Aerospace Engineers perform and supervise, the design, development, manufacture, and maintenance work on all types of flight vehicles, including military and civilian airplanes and helicopters, missiles, launch vehicles, spacecraft and satellites, and control guidance systems. UCF offers a B.S. in Aerospace and Mechanical Engineering.

## **UCF Clubs and Organizations**

### *Pi Tau Sigma Mechanical Engineering Honor Society*

- To encourage and recognize superior scholarship, to foster the high ideals of the engineering profession, to stimulate interest in coordinating departmental activities, to promote the mutual professional welfare of its members, and to develop in students of mechanical engineering the attributes necessary for effective leadership and taking up the responsibilities of a citizen living in a democracy.

### *Society of Automotive Engineers*

- <http://knightracing.cecs.ucf.edu>
- The UCF chapter of SAE is a team of engineering students that dedicates time to the advancement of vehicle design through the Formula SAE design competition.



## **University of Central Florida** **Career Services & Experiential Learning**

### **Helpful Exploration Websites**

#### *Aeronautics and Aerospace Event Organizers*

- <http://www.ntu.edu.sg/home/ctng/assoc.htm>

#### *Professional Engineering Journals*

- [http://www.pepublishing.com/frm\\_journal.asp](http://www.pepublishing.com/frm_journal.asp)

#### *American Society of Mechanical Engineers*

- <http://www.asme.org>

#### *American Institute of Aeronautics and Astronautics*

- <http://www.aiaa.org>

#### *CECS Clubs*

- <http://clubs.cecs.ucf.edu/>

#### *Central Florida Astronomical Society*

- <http://www.cfas.org/>

#### *U.S. Department of Labor*

- <http://stats.bls.gov/oco/ocos052.htm>



## **Mechanical, Materials & Aerospace Engineering**

**ENGR 307**

**(407) 823-2416**

**<http://www.mmae.ucf.edu/>**

### **Gaining Experience**

#### *Experiential Learning*

- <http://www.coop.ucf.edu/>

#### *MetaTech Ventures*

- <http://www.phys-astro.sonoma.edu/people/faculty/tenn/Jobs.html>

#### *UCF College of Engineering & Computer Science*

- <http://www.cecs.ucf.edu/>

#### *UCF Biomaterials Processing Lab*

- <http://pegasus.cc.ucf.edu/~samar/lab.htm>

#### *Department Research*

- <http://mmae.cecs.ucf.edu/research/research.html>

#### *National Aeronautics and Space Administration*

- <http://www.nasa.gov>