


UCF Online


ONLINE MASTER OF SCIENCE AEROSPACE ENGINEERING

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
 - Space Systems Design Track
 - Thermofluid Aerodynamic Systems Design and Engineering Track

WELCOME

SOAR TO NEW HEIGHTS

Aerospace engineering takes the world to new heights. Engineers in this field design and develop aircraft and spacecraft including missiles, rockets and satellites. They test prototypes, evaluate designs and proposals, conduct research, and ensure that their products meet quality standards. Their job is to engineer new technology and vehicles that allow humans to fly safely and swiftly through the sky.

AEROSPACE ENGINEERING AT UCF

At the graduate level, UCF offers a Master of Science in Aerospace Engineering through the Department of Mechanical and Aerospace Engineering. Students enrolled in the M.S.AE can choose to pursue one of three tracks:

Guidance Control and Dynamics Track

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

Space Systems Design Track

The track includes the fields of space environment, instrumentation and communications, structures and materials, thermal analysis, and design.

Thermofluid Aerodynamic Systems Design and Engineering Track

The track is suitable for students interested in an aerospace engineering career that focuses on the fields of aerodynamics, propulsion, thermal analysis, and design.



ONLINE MASTER OF SCIENCE AEROSPACE ENGINEERING

ALUMNI PROFILE



**M.S.AE alumnus Albert Manero,
founder of Limbitless Solutions**

"The University of Central Florida impressed upon me the importance of outreach, leading me to pursue opportunities to impact the development of students and my community through engineering."

Albert Manero, Founder of Limbitless Solutions, a nonprofit devoted to bringing 3-D printed bionic arms to children around the world at no cost to their families. Works to encourage other UCF students to use science, engineering and art to impact their communities and pursue global innovation and research.

CURRICULUM

Coursework Includes:

EAS 5123: Intermediate Aerodynamics
EAS 6315: Rocket Propulsions
EAS 5211: Aeroelasticity
EAS 6185: Turbulent Flow
EAS 6415: Guidance, Navigation and Control
EML 6131: Combustion Phenomena

For complete program requirements, see the UCF Graduate Catalog at graduatecatalog.ucf.edu.

Research Areas Include:

Propulsion and energy systems
Aerothermodynamic Propulsion Systems
Materials, properties and manufacturing
Dynamic systems and control
Thermal management systems
Mutliphase heat transfer and fluid flow

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.

In addition to the general UCF graduate application requirements, applicants to this program must provide:

- : One official transcript (in a sealed envelope) from each college/university attended. Bachelor's degree in Aerospace Engineering or 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. Students should contact the MSAE graduate program director for further 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

MAE Advising
MAEAdvising@ucf.edu

Jihua Gou, Ph.D.
Graduate Program Coordinator
jihua.gou@ucf.edu