

## MAE Mission

To provide undergraduate and graduate education, research, and public service in the engineering profession in general and in the mechanical and aerospace engineering disciplines in particular and to support the diverse mechanical and aerospace engineering needs of Huntsville, the State of Alabama, the region, our nation, and the international community.

## Admission Requirements

- 1) ABET-accredited B.S. degree in engineering;
- 2) GPA of 3.0 or better;
- 3) A combined (Verbal, Quantitative, and Analytical Writing) GRE score of 1600 or better.

The GRE can be waived for students who have passed the Fundamentals of Engineering Exam or who have practiced engineering for five years past the BS degree, whose resume shows significant career progression, and who meet the first two requirements stated above.

## Course Delivery Options

### On-Campus

The schedule of courses each semester is taught in a classroom setting using high technology presentation equipment . Any registered student is welcome to attend.

### Distance Learning

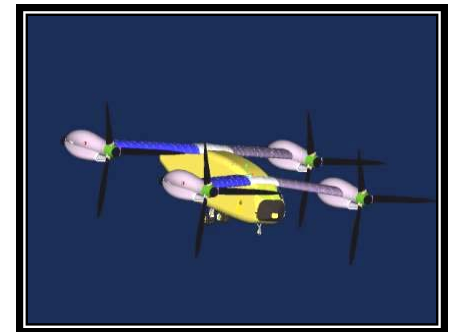
Courses in the MSE program for Rotorcraft and Systems Engineering are available as part of the UAH Distance Learning Program. The UAH DL program provides course access via CD's which are mailed to your location each week or via the web if you have high-speed internet access.

# Master of Science in Engineering

*with a program of study in*

## Rotorcraft Systems Engineering

*from*



Mechanical and Aerospace Engineering  
N 274 Technology Hall  
Huntsville, Alabama 35899

## Contact Information

### Department Chairman

Dr. Mark V. Bower  
mark.v.bower@mae.uah.edu  
(256) 824-6154

### Aerospace Engineering

Dr. D. Brian Landrum  
landrum@mae.uah.edu  
(256) 824-7207

Dr. James R. Snider  
jsnider@uah.edu  
(256) 824-6066

### Systems Engineering

Dr. Paul J. Compton  
pjc@ise.uah.edu  
(256) 824-6738

Dr. Phillip A. Farrington  
paf@ise.uah.edu  
(256) 824-6568

### Director of Distance Learning

Dr. Phillip A. Farrington  
paf@ise.uah.edu  
(256) 824-6568

### Associate Director of Distance Learning

Dr. Dawn R. Utley  
utley@ise.uah.edu  
(256) 824-6075

### Distance Learning Website

<http://www.engdl.uah.edu>

## Rotorcraft Systems Engineering (Full-Time Program)

### FALL

MAE 556 Turbomachinery  
MAE 657 Helicopter Theory  
MAE 635 Aerospace Systems Engineering

### SPRING

ISE 690 Statistical Methods for Engineers  
MAE 631 Rotorcraft Design  
MAE 692 Graduate Engineering Analysis I

### SUMMER

ISE 638 Reliability Engineering  
MAE 580 Aircraft Stability & Control  
MAE 680 Performance Flight Testing

### FALL

ISE 547 Introduction to System Simulation  
ISE 637 Systems Modeling & Analysis  
ISE 670 Integrated Product & Process Design

## Rotorcraft Systems Engineering (Two Classes per Semester)

### FALL

MAE 556 Turbomachinery  
MAE 657 Helicopter Theory

### SPRING

ISE 690 Statistical Methods for Engineers  
MAE 631 Rotorcraft Design

### SUMMER

MAE 580 Aircraft Stability & Control  
MAE 680 Performance Flight Testing

### FALL

ISE 547 Introduction to System Simulation  
MAE 635 Aerospace Systems Engineering

### SPRING

MAE 692 Graduate Engineering Analysis I

### SUMMER

ISE 638 Reliability Engineering

### FALL

ISE 637 Systems Modeling & Analysis  
ISE 670 Integrated Product & Process Design

## Rotorcraft Systems Engineering (One to Two Classes per Semester)

### FALL

MAE 657 Helicopter Theory

### SPRING

ISE 690 Statistical Methods for Engineers

### SUMMER

MAE 580 Aircraft Stability & Control

### FALL

MAE 556 Turbomachinery

### SPRING

MAE 631 Rotorcraft Design

### SUMMER

MAE 680 Performance Flight Testing

### FALL

ISE 547 Introduction to System Simulation  
MAE 635 Aerospace Systems Engineering

### SPRING

MAE 692 Graduate Engineering Analysis I

### SUMMER

ISE 638 Reliability Engineering

### FALL

ISE 637 Systems Modeling & Analysis  
ISE 670 Integrated Product & Process Design

