

HONORS PROGRAM  
IN  
DEPARTMENT OF MECHANICAL AND MATERIALS ENGINEERING

A. Philosophy:

The Department Honors Program is intended to provide special educational opportunities for academically talented students to advance their knowledge beyond the provisions of the regular curriculum. The program applies to both Mechanical Engineering and Materials Science and Engineering B.S.E. degree programs.

B. Requirement for Admissions

1. Completion of all sophomore courses in the student's major.
2. An overall grade point average of 3.40 and grade point within the College of Engineering and Computer Science of 3.40, including transfer credit accepted towards a student's engineering degree requirements.
3. To secure a faculty sponsor by having demonstrated academic excellence and motivation for advanced study. The student's academic advisor and the Department Chair will help the student in finding an appropriate faculty sponsor.

C. Procedures:

The student must submit an application endorsed by the faculty sponsor to the Department Chair. The application should provide information on a proposed program of honors study for the student as well as time scheduling of the course work and honors engineering project. The Department Chair and Department Honors Coordinator will review the application to see that all requirements are met and convey appropriate notification to the student. Application forms can be obtained from the Mechanical and Materials Engineering Department Office.

D. Requirements for Graduation with Honors:

1. To graduate with a grade point average of at least 3.40.
2. Successful completion of at least six semester honors credit hours with a grade of at least B in each course as follows:
  - a. Research: Three credit hours of honors independent study in engineering science or design (ME 4950). Results of the project will be presented at an approved seminar or conference and as a written senior thesis which will be preserved by the Department. The faculty advisor will make the final decision on grade. The project activities must be separate from and in addition to the senior design requirements for the B.S.E degree.
  - b. Advanced coursework: One graduate level course (minimum three credit hours) chosen from an approved list (7xxx).

These six honors credit hours can be used for any elective requirement for obtaining the B.S.E. degree. In addition, all honors programs must be structured such that the student fulfills minimum ABET requirements for engineering science and design.

E. Coordination with the University Honors Program:

The Department of Mechanical and Materials Engineering will provide information on students admitted to the Department Honors Program, on those who have completed the program requirements, or those who have withdrawn or failed to qualify for graduation with Honors to the University Honors Program on a regular basis.

## Department of Mechanical and Materials Engineering Honors Program Transition Plan

Department Honors Program	Quarters	Semesters
<i>Requirements for Admission</i>		
1	Completion of at least 130, but not more than 150 credits hours is generally required	Completion of all sophomore courses in the student's major
2	An overall grade point average of 3.40 and grade point average within CECS of 3.40	An overall grade point average of 3.40 and grade point average within CECS of 3.40, including transfer credit accepted towards a student's engineering degree requirements
3	To secure a faculty sponsor by having demonstrated academic excellence, and motivation for advanced study	To secure a faculty sponsor by having demonstrated academic excellence, and motivation for advanced study
<i>Requirements for Graduation with Honors</i>		
1	To graduate with a grade point average of at least 3.40	To graduate with a grade point average of at least 3.40
2	Successful completion of at least nine honors credit hours with a grade of at least B in each course as follows	Successful completion of at least six semester honors credit hours with a grade of at least B in each course as follows
2a	Three to six credits of honors independent study in engineering science or design (ME 499)	Three credit hours of honors independent study in engineering science or design (ME 4950)
2b	Three to six credit hours of advanced coursework (ME 7xx)	One graduate level course (minimum three credit hours) chosen from an approved list (7xxx)
	Up to six of these honors credit hours can be used for any technical elective requirement for obtaining the B.S.E. degree.	These six honors credit hours can be used for any elective requirement for obtaining a B.S.E. degree.

### Transition Plan:

Students who have not completed the requirements for graduation with departmental honors under the quarter program (prior to fall 2012) must finish any remaining requirements on semesters. A total of 9 quarter credit hours or 6 semester credit hours must be completed.

### Examples:

- If a student has only completed 5 quarter credit hours of honors independent study, then he or she must complete one graduate level course on semesters (3 semester credit hours)
- If a student has only completed the graduate course on quarters, then he or she must complete the honors independent study hours on semesters (4 semester credit hours)
- If a student has less than 5 quarter credit hours of honors independent study, then he or she must complete remaining honors independent study hours on semesters, as well as the graduate level course if necessary