

MS DEGREE PROGRAM NORMAL DEGREE PROGRESS

Students in pursuit of a Master of Science graduate degree are expected 1) to complete at least the minimum hourly requirement each term, 1) to maintain an acceptable grade point average, and 3) to achieve passing grades in fulfillment of degree requirements.

1 . MINIMUM HOURLY REQUIREMENT

- a . Minimum hourly requirement is enrollment in at least one 3-credit hour course each term. Students who are not enrolled for two or more consecutive terms (including summer) will be required to request readmission. <http://www.admissions.ufl.edu/apply/readmission>

2 . MINIMUM GPA REQUIREMENT

- a . An acceptable GPA = 3.00 or greater cumulative and major GPA for all graduate students. Students who fall below these standards may be placed on academic probation, which may make them ineligible for financial assistance, including RA and TA appointments. A student who remains below these standards for two consecutive terms may be terminated. A terminated student may petition through his/her advisor to the Graduate Committee for reinstatement.

3. GRADUATE SCHOOL GRADING POLICY BELOW:

- a. The only passing grades for graduate students are A, A-, B+, B, B-, C+, C, and S.
- b. Grades of B-, C+ or C count toward a graduate degree if an equal number of credits in courses numbered 5000 or higher have been earned with grades of B+, A- and A, respectively.
- c. Letter grades of C-, D+, D, D- or E are not considered passing at the graduate level, although the grade points associated with these letter grades are included in grade point average calculations.
- d. Grade points are not given for S and U grades
- e. S and U grades are not used to calculate grade point averages.
- f. All letter-graded courses eligible to count toward the graduate degree (including 3000 and 4000-level courses) are used to calculate the cumulative grade-point average.

4. FULFILLING DEGREE REQUIREMENTS

- a. As the letter grades of C-, D+, D, D- or E are not considered passing at the graduate level, any coursework with a grade earned below C will not fulfill degree program requirements.

Students should make normal progress toward the completion of degree. Thus, a full-time student pursuing the MS non-thesis degree program should expect to complete and confer the degree within 2 years (fall/spring/fall/spring). A full-time student pursuing the MS thesis degree program should expect to complete and confer the degree within 2.5 years (fall/spring/fall/spring/summer) depending on research progress. Part-time and/or EDGE (Distance Learning) MS non-thesis degree program students are expected to complete at least one course every other term to retain

“active” enrollment at the University of Florida.

Students who are unable to meet normal progress to degree may be formally assessed by the Graduate Committee each new term to determine their fitness to continue in their programs.

To maintain progress, MAE graduate students should adhere to the following guidelines:

1) Prior to start of 1st term:

All MS students: Establish general field of specialization

- DYNAMICS, SYSTEMS, AND CONTROL (DSC)
- SOLID MECHANICS, DESIGN, AND MANUFACTURING (SMDM)
- THERMAL SCIENCE AND FLUID DYNAMICS (TSFD)

2) Prior to end of 1st term:

All MS students: Determine whether you wish to pursue the Master of Science (MS) degree thesis or non-thesis option

3) Prior to end of 2nd term:

MS thesis students: Contact faculty in your area of interest and reach an agreement with one to serve as your thesis advisor. Complete and submit the MAE Thesis Form, which identifies your request for thesis option, includes supervisory committee selection and approval signatures, and provides a tentative plan of study (<http://www.mae.ufl.edu/current/graduate>).

GUIDELINES FOR PLAN OF STUDY

During the first year of graduate study, the normal expectation is that each student would take a minimum of three regular courses in both the Fall and Spring semesters. Generally, these would include core courses, as well as an appropriate mix of elective courses for the chosen specialization and/or selection of courses for an MAE certificate program and/or selection of courses for an outside minor.

All MS graduate students, thesis and non-thesis, will follow the core course degree requirements for one of the three MAE graduate study groups.

- DYNAMICS, SYSTEMS, AND CONTROL (DSC)
- SOLID MECHANICS, DESIGN, AND MANUFACTURING (SMDM)
- THERMAL SCIENCE AND FLUID DYNAMICS (TSFD)

DYNAMICS, SYSTEMS, AND CONTROL (DSC)

There is no core course requirement for Master’s students. However, they are encouraged to select from the following courses to prepare them for other DSC courses, and the Master’s final exam for non-thesis students.

PHD students must take a minimum of three of the following courses:

EML 5215 Analytical Dynamics (or EGM 5430) EML 5311 Control System Theory
EML 6281 Robot Geometry I

SOLID MECHANICS, DESIGN, AND MANUFACTURING (SMDM)

All SMDM students must complete 3 of the 5 courses listed in Group A below.

GROUP A:

EGM 5533 Applied Elasticity and Advanced Mechanics of Solids
EGM 6611 Continuum Mechanics
EML 5233 Failure of Materials in Mechanical Design
EML 5526 Finite Element Analysis and Application
EML 6324 Fundamentals of Production Engineering

THERMAL SCIENCE AND FLUID DYNAMICS (TSFD)

All TSFD MS students must take a minimum of three of the following core courses and all PHD students must take a minimum of four of the following core courses. PHD students should consider whether the qualifying exams will emphasize the Thermal Sciences or Fluid Dynamics when making their Plan of Study.

EGM 6812 Fluid Dynamics I
EGM 6813 Fluid Dynamics II
EML 5104 Introduction to Classical and Statistical Thermodynamics
EML 5714 Introduction to Compressible Flow
EML 6154 Conduction Heat Transfer
EML 6155 Convection Heat Transfer I

MS DEGREE PROGRAM REQUIREMENTS

- 17 Credits (including CORE if required) in MAE
Select EG Innovation or Leadership Institute coursework (5000 level and above) may also fulfill this requirement
- 13 Credits Outside of MAE
Major, Department, EG Innovation or Leadership Institute coursework, or minor coursework (5000 level and above) will fulfill this requirement

<http://vm1-mae.ad.ufl.edu/current/graduate/degree-programs-requirements>