NEW/CHANGE PROGRAM REQUEST
Graduate Programs

FLORIDA ATLANTIC UNIVERSITY

UGPC Approval _____
UFS Approval _____
Banner _____
Catalog _____

Department Ocean and Mechanical Engineering

College Enginnering and Computer Science

Program Name

MS in Mechanical Engineering, Non-thesis option

☐ **New Program***

☑ **Change Program***

Effective Date
(TERM & YEAR)

Fall 2025

Please explain the requested change(s) and offer rationale below or on an attachment.

Edit typo where the number of credits is listed change from 33 to 30 credits

Edit the section for the requirements for the electives, clarifying that 12 out of 18 credits should be OME courses

*All new programs and changes to existing programs must be accompanied by a catalog entry showing the new or proposed changes.

Faculty Contact/Email/Phone

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Consult and list departments that may be affected by the change(s) and attach documentation

Approved by	***Date***
Department Chair Pierre Philippe Beaujean	3/11/2025
College Curriculum Chair Francisco Presuel-Moreno	3/11/2025
College Dean Raquel Assis	3/11/2025
UGPC Chair	
UGC Chair	
Graduate College Dean	
UFS President	
Provost	

Email this form and attachments to UGPC@fau.edu 10 days before the UGPC meeting.

Typo found. NOTE: Everywhere else in the MS ME non-thesis in the catalog the text have been updated to a minimum of 30 credits. In the first paragraph, the number of credits for non-thesis was not updated when the minimum number of credits for MS ME non-thesis was changed several years ago.

Current text:

Master's Programs

The Master of Science with major in Mechanical Engineering has both thesis and non-thesis options. The thesis option requires a minimum of 24 credits of coursework and a thesis (6 additional credits). The non-thesis option requires a minimum of 33 credits of coursework. The Master of Science program is available in person and fully online. Requirements for the Ph.D. program are described later in this section.

Updated

Master's Programs

The Master of Science with major in Mechanical Engineering has both thesis and non-thesis options. The thesis option requires a minimum of 24 credits of coursework and a thesis (6 additional credits). The non-thesis option requires a minimum of 30 ~~33~~ credits of coursework. The Master of Science program is available in person and fully online. Requirements for the Ph.D. program are described later in this section.

Catalog Change on item 3.

MECHANICAL ENGINEERING

MASTER OF SCIENCE (M.S.)

Non-Thesis Option and Non-Thesis Option with a Business Minor

Candidates for the Master of Science degree with the non-thesis option must complete an approved program of at least 30 credits including:

1. Three core courses (9 credits): EGM 6533, Advanced Strength of Materials; EML 6223, Mechanical Vibrations or EML 6317, Advanced Control Systems; and EML 6716, Advanced Fluid Dynamics;
2. A math course (3 credits): EOC 5172, Mathematical Methods in Ocean Engineering 1;
3. Six technical electives (18 credits) at the 5000 or 6000 level;
4. Must complete one semester of EML 5937, Graduate Seminar (0 credits) with grade of Satisfactory ("S");
5. At the time of application for degree, students must submit a portfolio to their advisor consisting of four graduate projects from 10 courses in their program of study. The portfolio will be reviewed by the student's supervisory committee;
6. At least one-half of the credits must be at the 6000 level or above;
7. At least one-half of the credits must be from the list of Mechanical Engineering courses shown in the Engineering and Computer Science Course Descriptions section.

Catalog change shown below

Candidates for the Master of Science degree with the non-thesis option must complete an approved program of at least 30 credits including:

1. Three core courses (9 credits): EGM 6533, Advanced Strength of Materials; EML 6223, Mechanical Vibrations or EML 6317, Advanced Control Systems; and EML 6716, Advanced Fluid Dynamics;
2. A math course (3 credits): EOC 5172, Mathematical Methods in Ocean Engineering 1;
3. Six technical electives (18 credits) at the 5000 or 6000 level, at least 12 credits shall be courses within the OME department;
4. Must complete one semester of EML 5937, Graduate Seminar (0 credits) with grade of Satisfactory ("S");
5. At the time of application for degree, students must submit a portfolio to their advisor consisting of four graduate projects from 10 courses in their program of study. The portfolio will be reviewed by the student's supervisory committee;
6. At least one-half of the credits must be at the 6000 level or above;
7. At least 24 ~~one-half~~ of the credits must be from the list of Ocean and Mechanical Engineering courses shown in the Engineering and Computer Science Course Descriptions section.