

 <b>FLORIDA ATLANTIC UNIVERSITY</b>	<b>NEW/CHANGE PROGRAM REQUEST</b> <b>Graduate Programs</b>		UGPC Approval _____ UFS Approval _____ Banner _____ Catalog _____
	Department _____ College _____		
<b>Program Name</b>		<b>New Program*</b>  <b>Change Program*</b>	<b>Effective Date</b> (TERM & YEAR)
<b>Please explain the requested change(s) and offer rationale below or on an attachment.</b>  -----  Add			
*All new programs and changes to existing programs must be accompanied by a catalog entry showing the new or proposed changes.			
<b>Faculty Contact/Email/Phone</b>		<b>Consult and list departments that may be affected by the change(s) and attach documentation</b>	
<b>Approved by</b> Department Chair <u>Pierre Philippe Beaujean</u> College Curriculum Chair <u>Francisco Presuel-Moreno</u> College Dean <u>Raquel Assis</u> UGPC Chair _____ UGC Chair _____ Graduate College Dean _____ UFS President _____ Provost _____			<b>Date</b> <u>3/11/2025</u> <u>3/11/2025</u> <u>3/11/2025</u> _____ _____ _____ _____ _____

Insert Supervisory section after

## **MECHANICAL ENGINEERING MASTER OF SCIENCE (M.S.)**

### **Thesis Option**

***Candidates for the Master of Science degree with the 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. Four technical electives (12 credits) at the 5000 level or higher;
4. Must complete one semester of EML 5937, Graduate Seminar (0 credits) with grade of Satisfactory ("S");
5. Before the end of the student's third semester of full-time enrollment, a written thesis proposal must be submitted to the supervisory committee and defended in an oral examination;
6. A Master's thesis (6 credits), which must be defended at an oral examination;
7. At least one-half of the credits must be at the 6000 level or above;
8. 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.

New supervisory section

### **Supervisory Committee**

All graduate students will be assigned an academic advisor who will assist the student in planning a course schedule for the program and will also approve all course selections, schedules and schedule changes.

By the end of the first semester or at the completion of 9 credits, the student, in consultation with the academic advisor, should make the following selections:

1. A particular program option. If selecting a thesis program, then:
  - a. Chair of the supervisory committee.
  - b. At least two other members for the supervisory committee.

The chair of the supervisory committee, who is normally the student's advisor, and at least one of the other members must be chosen from the Ocean and Mechanical Engineering faculty. Members from outside the department may be chosen for the supervisory committee with the permission of the department chair. The student should obtain the consent of other members to serve on the supervisory committee. Having obtained this permission, the names of the committee members should be submitted to the department chair. The committee acts as a unit to guide the student's degree program.