

 <b>FLORIDA ATLANTIC UNIVERSITY</b>	<b>NEW/CHANGE PROGRAM REQUEST</b> <b>Undergraduate Programs</b>	UUPC Approval <u>4-26-21</u> UFS Approval _____ Banner Posted _____ Catalog _____
	<b>Department</b> Ocean & Mechanical Engineering  <b>College</b> COECS	
<b>Program Name</b> Undergraduate Certificate Program in Naval Architecture	<input checked="" type="checkbox"/> <b>New Program</b>  <input type="checkbox"/> <b>Change Program</b>	<b>Effective Date</b> (TERM & YEAR)  Fall 2021
<b>Please explain the requested change(s) and offer rationale below or on an attachment</b>  <p>This undergraduate certificate program (a total of 15 credits) in Naval Architecture offered by O&amp;ME Department is designed to combine broad engineering disciplines with knowledge of engineering principles specific to naval architecture. This program is in support of preparing students to work at companies and governmental agencies that specialize in ship design and naval architecture.</p>		
<b>Faculty Contact/Email/Phone</b>  Dr. P. Edgar An/pan@fau.edu/561-297-2792	<b>Consult and list departments that may be affected by the change(s) and attach documentation</b>	
<b>Approved by</b> Department Chair _____ College Curriculum Chair <u>Dawn</u> College Dean <u>Fred Bloetscher</u> UUPC Chair <u>Jerry Hakey</u> Undergraduate Studies Dean <u>Edward Pratt</u> UFS President _____ Provost _____	<small>Digitally signed by Manhar Dhanak          DN: cn=Manhar Dhanak, o=Florida Atlantic University, ou=Ocean and Mechanical Engineering, email=dhanak@fau.edu, c=US          Date: 2021.04.12 13:08:18 -0500</small>	<b>Date</b> <u>4-12-21</u> <u>4/12/2021</u> <u>4-15-21</u> <u>4-26-21</u> <u>4-26-21</u> _____ _____

Email this form and attachments to [mjenning@fau.edu](mailto:mjenning@fau.edu) one week before the UUPC meeting so that materials may be viewed on the UUPC website prior to the meeting.

## Undergraduate Certificate Program in Naval Architecture

This undergraduate certificate program (a total of 15 credits) in Naval Architecture offered by O&ME Department is designed to combine broad engineering disciplines with knowledge of engineering principles specific to naval architecture. This program is in support of preparing students to work at companies and governmental agencies that specialize in ship design and naval architecture.

### **Curriculum**

To earn this certificate, a student must successfully complete the following:

- a) Three courses (9 credits) in the field of naval architecture from the following list:
  - EOC 4600 Introduction to Ocean Instrumentation (3 credits) or EOC 6625 Ocean Instrumentation (3 credits)
  - EOC 4124 or EOC 5934 Ship Hydrodynamics (3 credits)
  - EOC 4412 or EOC 5934 Ocean Structures (3 credits)
  - EOC 4510 Introduction to Ship Structural Design (3 credits) or EOC 6516 Ship Structural Design (3 credits)
  
- b) A faculty mentored design project with elements of naval architecture (3 credits), carried out either as part of:
  - RI: OE Systems Control and Design (EOC4804) course (3 credit)

Or

  - EGN 4915 DIR (3 credits)

Or

  - EOC 4905 Directed Independent Study (DIS)
  
- c) EOC 4422 Ocean Wave Mechanics (3 credits)