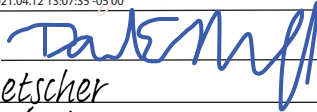
 FLORIDA ATLANTIC UNIVERSITY	NEW/CHANGE PROGRAM REQUEST Undergraduate Programs	UUPC Approval <u>4-26-21</u> UFS Approval _____ Banner Posted _____ Catalog _____
	Department Ocean & Mechanical Engineering College COECS	
Program Name Undergraduate Certificate Program in Marine Materials & Offshore Engineering	<input checked="" type="checkbox"/> New Program <input type="checkbox"/> Change Program	Effective Date (TERM & YEAR) Fall 2021
Please explain the requested change(s) and offer rationale below or on an attachment <p>This undergraduate certificate program (a total of 15 credits) in Marine Materials & Offshore Engineering offered by O&ME Department is designed to combine broad engineering disciplines with knowledge of engineering principles specific to materials and structures. This program is in support of preparing students to work at ocean engineering/maritime companies and governmental agencies that specialize in marine materials and offshore structures.</p>		
Faculty Contact/Email/Phone Dr. P. Edgar An/pan@fau.edu/561-297-2792	Consult and list departments that may be affected by the change(s) and attach documentation	
Approved by Department Chair _____ College Curriculum Chair <u></u> College Dean <u>Fred Bloetscher</u> UUPC Chair <u>Jerry Haky</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 13:07:35 -0500</small>	Date <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 one week before the UUPC meeting so that materials may be viewed on the UUPC website prior to the meeting.

Undergraduate Certificate Program in Marine Materials and Offshore Engineering

This undergraduate certificate program (a total of 15 credits) in Marine Materials and Offshore Engineering offered by O&ME Department is designed to combine broad engineering disciplines with knowledge of engineering principles specific to materials and structures. This program is in support of preparing students to work at ocean engineering/maritime companies and governmental agencies that specialize in marine materials and offshore structures.

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

- a) Three courses (9 credits) in the field of engineering materials and structures from the following list:
 - EGM 4350 Finite Elements Analysis (3 credits)
 - EOC 4201C or EOC 5934 Marine Materials & Corrosion (3 credits)
 - EOC 4412 or EOC 5934 Ocean Structures (3 credits)

- b) A faculty mentored design project with elements of Marine Materials and Offshore Engineering (3 credits), carried out either as part of:
 - RI: OE Systems Control and Design (EOC4804) course (3 credits)

Or

 - EGN 4915 DIR (3 credits)

Or

 - EOC 4905 Directed Independent Study (DIS)

- c) EGN 3331 Strength of Materials (3 credits)