

 FLORIDA ATLANTIC UNIVERSITY	NEW/CHANGE PROGRAM REQUEST Undergraduate Programs	UUPC Approval <u>11-8-21</u> UFS Approval _____ Banner Posted _____ Catalog _____
	Department _____ College _____	
Program Name	New Program Change Program	Effective Date (TERM & YEAR)
Please explain the requested change(s) and offer rationale below or on an attachment		
Faculty Contact/Email/Phone	Consult and list departments that may be affected by the change(s) and attach documentation	
Approved by		Date
Department Chair <u>Maharajan</u>		<u>10-25-21</u>
College Curriculum Chair <u>DKW</u>		<u>11-8-21</u>
College Dean <u>[Signature]</u>		<u>11-8-21</u>
UUPC Chair <u>[Signature]</u>		<u>11-9-21</u>
Undergraduate Studies Dean <u>Edward Pratt</u>		<u>11-9-21</u>
UFS President _____		_____
Provost _____		_____

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.

Sample Four-Year Program of Study for Bachelor of Science in Ocean Engineering

First Year, Fall (14 credits)		
College Writing 1*	ENC 1101	3
General Chemistry 1	CHM 2045	3
General Chemistry 1 Lab	CHM 2045L	1
Calculus with Analytic Geometry 1	MAC 2311	4
Fundamentals of Engineering	EGN 1002	3

First Year, Spring (14 credits)		
College Writing 2*	ENC 1102	3
Oceanography	OCE 3008	3
General Physics for Engineers 1	PHY 2048	3
General Physics 1 Lab	PHY 2048L	1
Calculus with Analytic Geometry 2	MAC 2312	4

First Year, Summer (7 credits)		
Calculus with Analytic Geometry 3	MAC 2313	4
Foundations of Humanities course**		3

Second Year, Fall (13 credits)		
Engineering Math 1	MAP 3305	3
Physics for Engineers 2	PHY 2044	3
General Physics 2 Lab	PHY 2049L	1
Statics	EGN 3311	3
C for Engineers	EEL 2161	3
Engineering Graphics***	EGN 1111C	3

Second Year, Spring (15 12 credits)		
C for Engineers	EEL 2161	3
Engineering Graphics***	EGN 1111C	3
Dynamics	EGN 3321	3
Engineering Thermodynamics	EGN 3343	3
Ocean Engineering Lab	EOC 3130L	3
Strength of Materials	EGN 3331	3

Second Year, Summer (6 credits)		
Strength of Materials	EGN 3331	3
Electro-Mechanical Devices	EGM 4045	3
Foundations of Humanities course**		3

Third Year, Fall (13 12 credits)		
Electro-Mechanical Devices	EGM 4045	3

Vibrations	EGN 4323	3
OE Fluid Mechanics	EOC 3123	4
Engineering Materials 1	EGN 3365	3
Foundations of Global Citizenship course**		3

Third Year, Spring (13 44 credits)		
Acoustics for Ocean Engineers	EOC 3306	3
Dynamic Systems	EGN 4322	3
OE Fluid Mechanics	EOC 3123	4
Structural Analysis	EOC 3410C	3
Ocean Thermal Systems	EOC 4193	3
Fabrication of Ocean Engineering Systems	EOC 2801	1
Ship Hydrodynamics	EOC 4124 or	3
Marine Materials & Corrosion	EOC 4201C	3

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Third Year, Summer (6 9 credits)		
Foundations of Society and Human Behavior course**		3
Foundations of Global Citizenship course**		3
Vibrations	EGN 4323	3
Finite Element Analysis for Engineering Design***	EGM 4350 or	3
Innovative Sensing and Actuation Technology***	EGN 4670C	3

Fourth Year, Fall (13 credits)		
RI: Ocean Engineering Systems Control and Design	EOC 4804	3
Ocean and Environmental Data Analysis	EOC 4631C	3
Materials 1 - Marine Topics	EOC 3213	1
Ocean Wave Mechanics	EOC 4422	3
Ocean Thermal Systems	EOC 4193	3
Foundations of Global Citizenship course**		3

Fourth Year, Spring (13 credits)		
RI: Ocean Engineering Systems Control and Design Laboratory	EOC 4804L	4
Underwater Acoustics	EOC 4307C or	3
Ocean Structures	EOC 4412	3
Ship Hydrodynamics****	EOC 4124	3
Marine Materials and Corrosion****	EOC 4201C	3
Finite Element Analysis for Engineering Design	EGM 4350 or	3
Innovative Sensing and Actuation Technology	EGN 4670C	3

Foundations of Society and Human Behavior course**	3
Total	127

* WAC (Gordon Rule) course.

** Courses may be selected from the appropriate portion of the [Intellectual Foundations Program](#).

*** Engineering Graphics should typically be taken at FAU.