

FLORIDA ATLANTIC UNIVERSITY™

DEPARTMENT OF OCEAN & MECHANICAL ENGINEERING

Sample 4-Year Program of Study for Bachelor of Science (B.S.) in Ocean Engineering

First Year		
Fall Semester (14 Total Credits)		
College Writing I	ENC 1101*	3
Engineering Chemistry I or General Chemistry I	EGN 2095 or CHM 2045	3
Engineering Chemistry I Lab or General Chemistry I Lab	EGN 2095L or CHM2045L	1
Calculus for Engineers I	MAC 2281	4
Fundamentals of Engineering	EGN 1002	3
Spring Semester (14 Total Credits)		
College Writing 2	ENC 1102*	3
Oceanography	OCE 3008	3
Physics for Engineers 1	PHY 2043	3
General Physics 1 Lab	PHY 2048L	1
Calculus for Engineers 2	MAC 2282	4
Summer Semester (10 Total Credits)		
Calculus with Analytic Geometry III	MAC 2313	4
Engineering Graphics**	EGS 1111C	3
Foundations of Society and Human Behavior Course	-	3
Second Year		
Fall Semester (13 Total Credits)		
Engineering Math I	MAP 3305	3
Physics for Engineers II	PHY 2044	3
General Physics II Lab	PHY 2049L	1
Statics	EGN 3311	3
C for Engineers	EEL 2161	3
Spring Semester (13 Total Credits)		
Dynamics	EGN 3321	3
Engineering Thermodynamics	EGN 3343	3
Fabrication of OE Systems	EOC 2801	1
Ocean Engineering Lab	EOC 3130L	3
Engineering Math 2	MAP 4306	3
Summer Semester (9 Total Credits)		
Circuits 1	EEL 3111	3
Foundations of Global Citizenship Course*	-	3
Foundations of Creative Expressions Course	-	3
Third Year		
Fall Semester (16 Total Credits)		
Dynamic Systems	EOC 4620	3
Strength of Materials	EGN 3331	3
Engineering Materials 1	EGN 3365	3
Introduction to Logic Design	CDA 3201	4
Foundations of Society and Human Behavior Course	-	3

Spring Semester (13 Total Credits)		
Acoustics I	EOC 3306	3
Fluid Mechanics 1	EOC 3123	4
Ocean Thermal Systems	EOC 4193	3
Structural Analysis 1	EOC 3410C	3
Summer Semester (9 Total Credits)		
Electro-Mechanical Devices	EGM 4045	3
Foundations of Global Citizenship Course	-	3
Foundations of Creative Expressions Course*	-	3
Fourth Year		
Fall Semester (13 Total Credits)		
Ocean Systems Control and Design	EOC 4804	3
Vibrations	EOC 3123	3
Ocean and Environmental Data Analysis	EOC 4631C	3
Materials 1 - Marine Topics	EOC 3213	1
Ocean Wave Mechanics	EOC 4422	3
Spring Semester (12 Total Credits)		
Ocean Engineering Systems Control and Design Project	EOC 4804L	4
Fluid Mechanics 2***	EOC 4124	4
Engineering Materials 2***	EOC 4201C	4
Acoustics 2***	EOC 4307C	4
Structural Analysis 2***	EOC 4412	4
		TOTAL 136

* WAC (Gordon Rule) course

** Engineering Graphics should typically be taken at FAU.

*** Choose two courses from these four courses.

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