

OCEAN ENGINEERING - Class of 2014

Total Credits = **126**

Freshman Year *Fall Semester*

Course Code	Description	Cr	
CHM 101	General Chemistry I Lec [GE-N]	3	
CHM 102	General Chem I Lab	1	
EGR 105	Foundations of Engineering I	1	
MTH 141	Intro Calculus w/Analytic Geom [GE-MQ]	4	
PHY 203	Elementary Physics I Lect [GE-N]	3	
PHY 273	Elementary Physics I Lab [GE-N]	1	
	General Education Elective*	3	

16

Freshman Year *Spring Semester*

Course Code	Description	Cr	
ECN 201	Principles of Microeconomics [GE-S]	3	
EGR 106	Foundations of Engineering II	2	
MTH 142	Intermed Calculus w/Analytic Geometry	4	
OCE 101	Intro to Ocean Engineering	1	
PHY 204	Elementary Physics II Lec [GE-N]	3	
PHY 274	Elementary Physics II Lab [GE-N]	1	
	General Education Elective*	3	

17

Sophomore Year *Fall Semester*

Course Code	Description	Cr	
MCE 262	Statics	3	
MTH 243	Calculus for Functions of Several Vars	3	
OCE 205	Ocean Engineering Design Tools	4	
OCE 215	Ocean Engineering Design I	1	
PHY 205	Elementary Physics III Lec [GE-N]	3	
PHY 275	Elementary Physics III Lab [GE-N]	1	

15

Sophomore Year *Spring Semester*

Course Code	Description	Cr	
CVE 220	Mechanics of Materials	3	
MCE 263	Dynamics	3	
MTH 244	Differential Equations	3	
OCE 206	Ocean Instrumentation	3	
OCE 216	Ocean Engineering Design II	1	
	Free Elective	3	

16

Junior Year *Fall Semester*

Course Code	Description	Cr	
MCE 354	Fluid Mechanics	3	
OCE 301	Fundamentals of Ocean Mechanics	4	
OCE 310	Basic Ocean Measurement	3	
	Professional Elective**	3	
	General Education Elective*	3	

16

Junior Year *Spring Semester*

Course Code	Description	Cr	
OCE 408	Intro to Engineering Wave Mechanics and Littoral Processes	4	
OCE 311	Coastal Measurements and Applications	4	
OCE 471	Underwater Acoustics	3	
	General Education Elective*	3	
	General Education Elective*	3	

17

Senior Year *Fall Semester*

Course Code	Description	Cr	
CHE 333	Engineering Materials	3	
OCE 416	OCE Professional Practice	2	
OCE 421	Marine Structure Design	3	
OCE 495	Ocean Systems Design Project I	3	
	Professional Elective**	3	

14

Senior Year *Spring Semester*

Course Code	Description	Cr	
OCE 496	Ocean Systems Design Project II	3	
OCG 451	Oceanographic Science	3	
	Professional Elective**	3	
	Professional Elective**	3	
	General Education Elective*	3	

15

* Note the following *specific* requirements and restrictions for General Education [GE] electives:

-Refer to *specific* Ocean Engineering General Education *course requirements* (see 2014 OCE Check Sheet).

-[GE-MQ] Additional [GE-MQ] electives are restricted to MTH 111 (*only if taken prior to passing MTH 141*), BUS 111, and STA 220 only.

-[GE-ECw] *Must* take at least *one* General Education course in *writing* [GE-ECw].

-[GE-ECw] Can only take *one* of the following **100-level** writing courses for General Education credit [GE-ECw]: WRT 104, WRT 105, WRT 106.

** Approved engineering, mathematics, or oceanography courses at the 300, 400, or 500 level.

A minimum of two professional electives must be in OCE.

