OCEAN ENGINEERING - Class of 2014

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

Total Credits =

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							
		47							

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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	
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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	
<u> </u>		16	

Junior Year Spring Semester

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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	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.

OCEAN ENGINEERING - Class of 2014

GENERAL EDUCATION [Gen Ed] REQUIREMENTS (Effective Fall 2010)

Please carefully note the following regarding completion of your degree requirements.

- 1) The Gen Ed requirements shown below are *not retroactive* to any previous catalog years.
- *** This means that if you choose to follow the Gen Ed requirements shown, you are <u>required</u> to follow any and all other changes to the required courses for your major (see 2014 Curriculum Sheet and Check Sheet on the COE web page).
- 2) If you change engineering majors, then you are <u>required</u> follow the Gen Ed requirements for that major. *These requirements vary by major* (see 2014 Curriculum Sheet and Check Sheet on the COE web page).
- 3) If you are considering following the new Gen Ed requirements shown, you <u>must</u> meet with your advisor to discuss the implications this will have on your degree progress.
- **4)** You <u>must</u> also notify the Associate Dean of Engineering (102 Bliss Hall) <u>once you decide</u> that you want to to follow the revised Gen Ed requirements.

			GENE	RAL I	EDUCAT	TON [GI	E] COURSES				
	BREADTH At least one course in <i>each</i> of the Gen Ed Areas				A	DEPTH t least one additional course in 3 Remainder are taken in <i>any</i> (-			as	
Sem	Course	Cr	Grade	QP	Note	Sem	Course	Cr	Grade	QP	Note
	**English Communication	n- <i>Writin</i> į	g [GE-ECv	v]			Natural Sciences	[GE-N]			
	WRT 3						Satisfied by Required Courses	12			
	Mathematical and Quantitati	ve Reaso	oning [GE	E-MQ]		**	Two additional courses from: EC	C/ECw;	MQ; A;	FC; L	; S
	Satisfied by MTH 141	4					[must be from two diff	erent a	reas]		
	Fine Arts & Literature [GE-A]					[GE-EC/ECw; MQ; A; FC; L; S]	3				
		3					[GE-EC/ECw; MQ; A; FC; L; S]	3			
	Foreign Language/Cu	ulture [G	E-FC]				FREE ELECT	TVE			
		3						3			
	Letters [GE	-L]					OTHER COURSES (not f	or degr	ee credit))	
		3									
	Natural Sciences [GE-N]										
	Satisfied by CHM 101	3									
	Social Sciences [GE-S]										
	ECN 201	3									

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Notes	