# **OCEAN ENGINEERING - Class of 2018**

#### 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

# Total Credits =

<u> </u>	reshman Year Spring Semester	
е	Description	

Course Code	Description	Cr	
ECN 201	Principles of Microeconomics [GE-S]	3	
EGR 106	Foundations of Engineering II	2	
MTH 142	Intermed Calc with Analytic Geom [GE-MQ]	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	

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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	
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

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Course Code	Description	Cr						
CVE 220	Mechanics of Materials	3						
MCE 263	Dynamics	3						
MTH 244	Differential Equations	3						
OCE 206	Ocean Instrumentation	4						
	Free Elective	3						
		46						

#### 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	

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#### 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	4	
	General Education Elective*	3	
	Professional Elective**	3	
		18	

#### 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 2018 OCE Check Sheet).
- -[GE-ECw] Must take at least one (1) General Education course in writing [GE-ECw].
- -[GE-ECw] Can only take one (1) of the following 100-level writing courses for General Education credit [GE-ECw]: WRT 104, WRT 105, WRT 106.
- \*\* Professional Electives: Any engineering, mathematics, physics, or oceanography courses at the 300-, 400-, or 500-level. A minimum of two (2) professional electives must be in OCE.
- \*\*\* OCE 495 and OCE 496: An approved off-campus experience, usually between the junior and senior years, can be substituted for OCE 495 and 496.

<b>N</b> T	ID //
Name	ID#

# **OCEAN ENGINEERING - Class of 2018**

126 Credits

OCE	AN ENGINEERING - CI								120 C	cuits	
	SPE	CIFIED I	MATH,	, SCII	ENCE, A	AND E	NGINEERING COURSE	S			
	INTRODUCTORY	ENGINEE	RING				ENGINEERING SCIEN	ICE AND	DESIGN	V	
Sem	Course	Cr	Grade	QP	Note	Sem	Course	Cr	Grade	QP	Note
	EGR 105	1					CHE 333	3			
	EGR 106	2					CVE 220	3			
	·	3	<u> </u>				MCE 262	3			
	MATHEM	IATICS					MCE 263	3			
	MTH 141 [GE-MQ]	4					MCE 354	3			
	MTH 142 [GE-MQ]	4					OCE 101	1			
	MTH 243	3					OCE 205	4			
	MTH 244	3					OCE 206	4			
	141111 2 1 1	14					OCE 301	4			
	NATURAL S						OCE 310	3			
	CHM 101 [GE-N]	3					OCE 311	4			
	CHM 102	1					OCE 408	4			
	PHY 203 [GE-N]	3	+ +				OCE 416	2	+ +		-
	PHY 203 [GE-N]	1	<del>                                     </del>				OCE 421	3	+ +		-
		3					OCE 421	4	+		
	PHY 204 [GE-N]										
	PHY 274 [GE-N]	1					OCE 495* [capstone]	3	+ +		
	PHY 205 [GE-N]	3					OCE 496* [capstone]	3			
	PHY 275 [GE-N]	1					***BDOEEGGIONAL	54	IV/EC		
							**PROFESSIONAL		IVES		ı
								3			
								3			
								3			
	2.57	16						3	-		
	OCEANOG							3			
	OCG 451	3						15			
		G	ENER	AL EI	DUCAT	ION [C	GEI COURSES				
	BREAI						DEPT	H			
	At least one course in eac		en Ed Ar	eas.		A	at least one additional course in				ıs
~						~	Remainder are taken in an		_		
Sem	Course		Grade		Note	Sem	Course	Cr	Grade	QP	Note
	***English Communica	_	ig [GE-EC	Cw]			Natural Science		<del></del>		1
	WRT	3					Satisfied by Required Course.				
	Mathematical and Quantit	_	1 0.				Mathematical and Quantita			_	1
	Satisfied by MTH 141	4					Satisfied by MTH 142	4			
	Fine Arts & Lite		-A]				***One additional course from	n: EC/EC	cw; A; F(	C; L; S	
		3						_	, ,	, , , ,	
	Foreign Language	<b>/Culture</b> [G	E-FC]				[GE-EC/ECw; A; FC; L				
		3					Free Elec				
	Letters							3			
		3					Other Courses (not f	for degree	credit)		
	Natural Scien	nces [GE-N]							$\bot$		
	Satisfied by CHM 101	3							$\perp$		
	Social Scien	ces [GE-S]									
	ECN 201	3									

<sup>\*</sup> OCE 495 and OCE 496: An approved off-campus experience, usually between the junior and senior years, can be substituted for OCE 495 and 496.

<sup>\*\*</sup> Professional Electives: Any engineering, mathematics, physics, or oceanography courses at the 300-, 400-, or 500-level. A minimum of two (2) professional electives must be in OCE.

<sup>\*\*\*</sup> Note the following *specific* requirements and restrictions for General Education [GE] electives:

<sup>-[</sup>GE-ECw] Requirement: Must take at least one (1) General Education course in writing [GE-ECw].

<sup>-[</sup>GE-ECw] Restriction: Can only take one (1) of the following 100-level writing courses for General Education credit [GE-ECw]: WRT 104, WRT 105, WRT 106.