OCEAN ENGINEERING - Class of 2019

Total Credits =

126

Freshman Year Fall Semester

	î .		_
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	

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 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	

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	
·		1.1	

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	4	
	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

	, į		
Course Code	Description	Cr	
OCE 311	Coastal Measurements and Applications	4	
OCE 408	Intro to Engineering Wave Mechanics and Littoral Processes	4	
OCE 471	Underwater Acoustics	4	
	Professional Elective**	3	
	General Education 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 rear 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: Refer to specific Ocean Engineering General Education course requirements (see 2018 OCE Check Sheet).
- ** Professional Electives: Any 300-, 400-, or 500-level courses in engineering, MTH, PHY, or OCG. 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.

Name		
rame		

D #

OCEAN ENGINEERING - Class of 2019

Total Credits = 126

	SPECIFIED			TICS.	SCIEN	CE. A	ND ENGINEERING COU		iai Cie		
	INTRODUCTORY EN			1100,	~ CILI	02,111	ENGINEERING SCIEN		DESIG	Ŋ	
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					MCE 262	3			
	MATHEMA	ΓICS					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			
		14			•		OCE 301	4			
	NATURAL SCI	ENCES					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 273 [GE-N]	1					OCE 421	3			
	PHY 204 [GE-N]	3	+				OCE 471	4	1		
	PHY 274 [GE-N]	1					OCE 495* [capstone]	3			
	PHY 205 [GE-N]	3					OCE 496* [capstone]	3			
	PHY 275 [GE-N]	1					OCL 470 [capstone]	54			
	1111 275 [GE-N]	1					**PROFESSIONAL		IVFS		
							ROFESSIONAL	3	TVES		
		+						3			
								3			
		16						3			
	OCEANOCE										
	OCEANOGR.	_						3			
	OCG 451	3						15			
		G	ENER	AL EI	DUCAT	ION [G	GE] COURSES				
	BREADT	н					DEPTI				
	At least one course in each		en Ed Aı	eas		A	at least one additional course in				IS
C	Course				Nata	C	Remainder are taken in an				Nata
Sem			Grade		Note	Sem	Course Natural Science		Grade	Qr	Note
	***English Communicatio	n- <i>writti</i>	ng [GE-EC	JW]		~			1		ı
	WRT] 3	•			Ľ	Satisfied by Required Courses				
	Mathematical and Quantitati	_	oning [Gl	-,			Mathematical and Quantitat				ı
	Satisfied by MTH 141	4				<u> </u>	Satisfied by MTH 142	4			
	Fine Arts & Litera	_	[-A]		1		***One additional course from	n: EC/EC	w; A; F0	C; L; S	
		3					(an name + no t	al 2	1		ı
	Foreign Language/Cu	_	E-FC				[GE-EC/ECw; A; FC; L				
	-	3					Free Elec	_	1		ı
	Letters [GE	7	1 1					3			
		3					Other Courses (not for	or degree	credit)		1
	Natural Science	_	, ,						1		
	Satisfied by CHM 101	3									
	Social Sciences	_	, , , , , , , , , , , , , , , , , , , 						\sqcup		
	ECN 201	3									

^{*} 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.

DRAFT DRAFT

^{**} Professional Electives: Any 300-, 400-, or 500-level courses in engineering, MTH, PHY, or OCG. A minimum of two (2) professional electives must be in OCE.

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

^{-[}GE-ECw] Requirement: Must take at least one (1) General Education course in writing [GE-ECw].

^{-[}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.