

The addition or removal of any graduation requirement in a major or minor requires that this form, accompanied by any supporting documentation, be completed and approved as indicated below.

College Engineering Department Marine and Environmental Systems

Degree level Bachelor Program title Ocean Engineering

To be initiated with catalog year 2007 / 2008 Change requested for  major program  minor program

Brief description of requested changes (attach a more detailed description and any supporting documentation)

Reordering of courses so that the students are better prepared for OCE 3011 (Engineering Materials) and OCE 3012 (Engineering Materials Lab). OCE 3011 and 3012 are moved from fall of sophomore year to spring of sophomore year.

Also checked with Leslie Hovey, ad there are rooms available. *[Signature]*

APPROVALS

On completion of appropriate department approvals, submit form to Chair, Graduate Council, or Chair, Undergraduate Curriculum Committee, for approval below and forward to the Office of the Registrar.

George A. Maul 6/29/06 \_\_\_\_\_  
Originator Date Chair, Graduate Council Date

G. Maul 6/29/06 \_\_\_\_\_  
Department Head/ Major Program Chair Date OR

G. Maul 6/29/06 \_\_\_\_\_  
Department Head/ Minor Program Chair Date

[Signature] 6-30-06 \_\_\_\_\_  
Dean or Associate Dean Date Chair, Undergraduate Curriculum Committee Date

Registrar's Use Only Operator Init \_\_\_\_\_ Date \_\_\_\_\_

Distribution: Original - Registrar  
Copy - Academic Unit/SEGS

REVISED June 29, 2006

**Ocean Engineering Curriculum**

Freshman Year

FALL	CREDITS		
BUS	1301	Basic Economics*	3
CHM	1101	General Chemistry 1	4
COM	1101	Composition and Rhetoric	3
MTH	1001	Calculus 1	4
OCN	1010	Oceanography	3
			17
SPRING			
COM	1002	Writing about Literature	3
MTH	1002	Calculus 2	4
OCE	1001	Introduction to Ocean Engineering	3
PHY	1001	Physics 1	4
PHY	2091	Physics Lab 1	1
			15

\*Or Social Science Elective

Sophomore Year

FALL	CREDITS		
HUM	2051	Civilization 1	3
MAE	2081	Applied Mechanics: Statics	3
MTH	2001	Calculus 3	4
PHY	2002	Physics 2	4
PHY	2092	Physics Lab 2	1
		Restricted Elective (Computer Science)	3
			18
SPRING			
HUM	2052	Civilization 2	3
MAE	2082	Applied Mechanics: Dynamics	3
MTH	2201	Differential Equations/Linear Algebra	4
OCE	3011	Engineering Materials	3
OCE	3012	Engineering Materials Lab	1
		Restricted Elective (Oceanography)	3
			17

Junior Year

FALL	CREDITS		
COM	2223	Scientific and Technical Communication	3
MAE	3083	Mechanics of Materials	3
OCE	3030	Fluid Mechanics	3
OCE	3033	Fluid Mechanics Lab	1
OCN	3401	Physical Oceanography	3
		Free Elective	3
			16
SPRING			
ECE	4991	Electric and Electronic Circuits	3
MAE	3191	Engineering Thermodynamics 1	3
OCE	3521	Hydromechanics and Wave Theory	3
OCE	3522	Water Wave Lab	1
OCE	4541	Ocean Engineering Design	3
OCE	4571	Fundamentals of Naval Architecture 1	3
			16

SUMMER

OCE	4911	Marine Field Projects 1	1
OCE	4912	Marine Field Projects 2	2
OCE	4913	Marine Field Projects 3	3
			6

Senior Year

FALL CREDITS

CVE	3015	Structural Analysis and Design	3
OCE	4525	Coastal Engineering Structures	3
OCE	4545	Hydroacoustics	3
OCE	4518	Protection of Marine Materials	3
		Restricted Elective (Ocean Engineering)*	3
			15

SPRING

CVE	4000	Engineering Economy and Planning	3
OCE	4561	Fundamentals of Offshore Engineering	3
		Humanities Elective	3
		Restricted Elective (Ocean Engineering)*	3
		Technical Elective	3
			15

TOTAL CREDITS REQUIRED 135

\* At least two OCE restricted electives must be chosen from the following list:

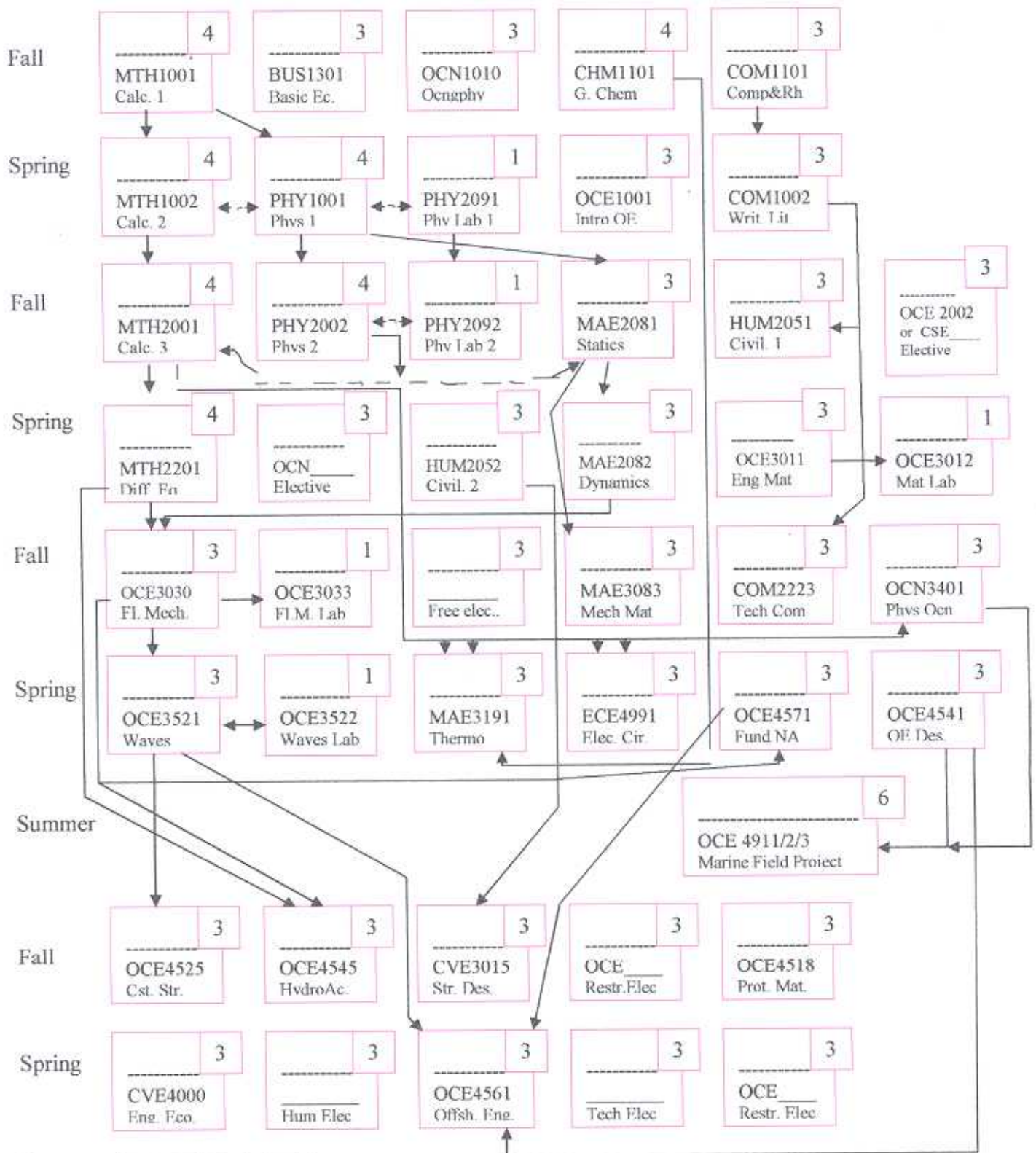
OCE	4531	Instrumentation Design and Measurement Analysis
OCE	4542	Ocean Engineering Systems Design
OCE	4563	Port and Harbor Design
OCE	4575	Design of High-Speed Small Craft

Note: Lists of recommended elective courses are available from the department office.

## Department of Marine and Environmental Systems Ocean Engineering Undergraduate Flowchart

Student Name: \_\_\_\_\_  
Student Number: \_\_\_\_\_

Advisor: \_\_\_\_\_  
Date: \_\_\_\_\_



**Key**  
Course# Name      Credits  
MTH1001      3  
Calc. 1      → Prerequisite  
                 ← - - → Co-requisite

**Total Credits Required: 135**