

Name \_\_\_\_\_

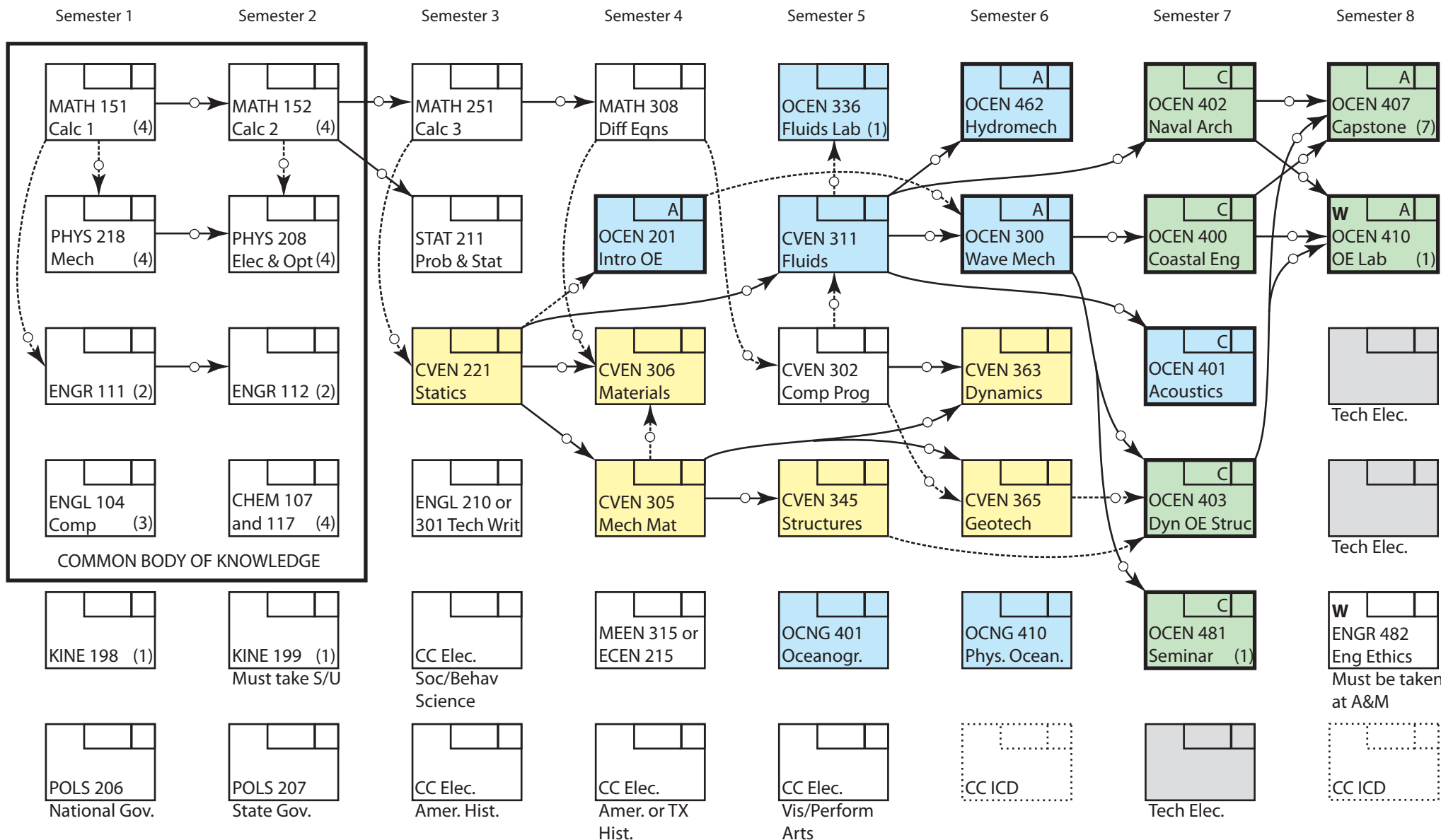
UIN \_\_\_\_\_

1st Semester at A&M \_\_\_\_\_

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**NOTE:** This is NOT an official document; for advising only. Consult the published Texas A&M University Catalog for complete curriculum requirements and listing of pre/co-requisites.

**INSTRUCTIONS:** Use the small check-boxes for each course to record the semester you take the course (00A, 00B, or 00C) and your final grade. Fill in pre/co-requisite bubbles as completed.



**NOTES:** Bold course boxes offered once per year: "C" denotes Fall Semester, "A" denotes Spring Semester  
 Bold "W" denotes a writing intensive course  
 All courses are 3 credits unless specified by an (.).  
 Arrows indicate (solid) prerequisites and (dashed) corequisites. Failure to meet a pre/co-requisite may result in being dropped from a class.

**LEGEND**

- Classical Fluids Courses
- Classical Structures and Materials Courses
- Courses combining Fluids and Structures/Materials

**B.S. DEGREE IN OCEAN ENGINEERING (2005-06 Catalog 128)**

**FRESHMAN YEAR**

<b>First Semester</b>	<b>Cr</b>	<b>Gr</b>	<b>Sem Comp</b>	<b>Second Semester</b>	<b>Cr</b>	<b>Gr</b>	<b>Sem Comp</b>
ENGL 104 Comp. & Rhetoric	3	___	___	CHEM 107 Chemistry for Engineers	4	___	___
ENGR 111 Foundations in Engineering I	2	___	___	ENGR 112 Foundations in Engineering II	2	___	___
MATH 151 Engineering Math. I	4	___	___	MATH 152 Engineering Math. II	4	___	___
PHYS 218 Mechanics	4	___	___	PHYS 208 Electricity and Optics	4	___	___
Core Curric. <sup>1</sup>	3	___	___	Core Curric. <sup>1</sup>	3	___	___
Military, Air, Naval Science		___	___	Military, Air Naval Science		___	___
KINE 198 Health & Fitness Activity	1	___	___	KINE 199 Required Physical Activity	1	___	___
	<b>17</b>				<b>18</b>		

**SOPHOMORE YEAR**

ENGR 221 Statics and Particle Dynamics	3	___	___	ENGR 213 Prin. Of Materials Eng.	3	___	___
MATH 251 Engineering Mathematics III	3	___	___	CVEN 305 Engr. Mech. of Materials	3	___	___
STAT 211 Principles of Statistics	3	___	___	ENGR 212 Conserv. Prin. in Thermal Sci.	3	___	___
Core Curric. Elec. <sup>1</sup>	3	___	___	or			
Core Curric. Elec. <sup>1</sup>	3	___	___	ENGR 215 Principles of Elec. Eng.	3	___	___
				MATH 308 Differential Equations	3	___	___
				OCEN 201 Intro. to Ocean Engineering <sup>4</sup>	2	___	___
				Core Curric. Elec. <sup>1</sup>	3	___	___
	<b>15</b>				<b>17</b>		

**JUNIOR YEAR**

CVEN 302 Comp. Appl. in Engr. & Const.	3	___	___	CVEN 345 Theory of Structures	3	___	___
CVEN 311 Fluid Dynamics	3	___	___	CVEN 365 Intro. to Geotechnical Engr	3	___	___
CVEN 336 Fluid Dynamics Lab	1	___	___	OCEN 300 Ocean Engr Wave Mechanics <sup>4</sup>	3	___	___
MEEN 363 Dynamics and Vibrations	3	___	___	OCEN 462 Hydromechanics <sup>4</sup>	3	___	___
OCNG 401 Intro. to Oceanography	3	___	___	OCNG 410 Intro. to Phys Oceanography	3	___	___
Writing skills elective <sup>2</sup>	3	___	___				
	<b>16</b>				<b>15</b>		

**SENIOR YEAR**

OCEN 301 Dyn of Offshore Structures <sup>4</sup>	3	___	___	ENGR 482 Ethics and Engineering	3	___	___
OCEN 400 Basic Coastal Engineering <sup>4</sup>	3	___	___	OCEN 407 Design of Ocean Engr Fac <sup>4</sup>	4	___	___
OCEN 401 Underwater Acoustics for OE <sup>4</sup>	3	___	___	OCEN 410 Ocean Engineering Lab. <sup>4</sup>	1	___	___
OCEN 402 Naval Architecture <sup>4</sup>	3	___	___	Core Curric. Elec. <sup>1</sup>	3	___	___
OCEN 481 Seminar	1	___	___	Technical Elective <sup>3</sup>	3	___	___
Technical Elective <sup>3</sup>	3	___	___	Technical Elective <sup>3</sup>	3	___	___
	<b>16</b>				<b>17</b>		

**NOTES:** <sup>1</sup>To be selected from the University Core Curriculum. Of the 18 hours shown as University Core Curriculum electives, 3 must be from visual and performing arts, 3 from social and behavioral science, 6 from U.S. history, 6 from POLS 206 and 207, and 6 from international and cultural diversity. The international and cultural diversity requirement may be met by courses satisfying the visual and performing arts, social and behavioral sciences, and the political science and history requirements if they are also on the approved list of international and cultural diversity courses.

<sup>2</sup>This elective is to be selected from ENGL 210 or 301.

<sup>3</sup>The technical elective program must be approved by the department head or the undergraduate advisor. Technical electives are chosen from the approved technical elective list, and at least 3 credit hours must be engineering design.

<sup>4</sup>A grade of C or better is required for these ocean engineering courses.

Inter. & Cultural Diversity \_\_\_\_\_

Inter. & Cultural Diversity \_\_\_\_\_