## CLASS OF 2015 MARINE ENGINEERING TECHNOLOGY MAJOR DIVISIONS 1&2 CURRICULUM

REVISED 5/14/13
Subject to Change

**Total Units: 161** 

## Third Assistant Engineer's/OICEW License Required For Graduation

Writing Proficiency Requirement: All Junior students must demonstrate upper division writing competency as a graduation requirement.

This may be fulfilled by passing either the Graduation Writing Exam or EGL 300 Advanced Writing.

FALL 2011 CHE 100 Chemistry I CHE 100L Chemistry I Lab ELEC 8 American Institutions Elective ELEC 21 Humanities Elective (Lower Division) ENG 100 Engineering Graphics▶ ET 110 Introduction to Engineering Technology♣ MTH 100 College Algebra and Trigonometry PE 100 Beginning/Intermediate Swimming	3.0 1.0 3.0 3.0 2.0 1.0 4.0 (.5)	SPRING 2012  DL 105 Marine Survival  DL 105L Marine Survival Lab  DL 105X USCG Lifeboatman's Exam  EGL 100 English Composition  EPO 110 Plant Operations I  EPO 125 Introduction to Marine Engineering  EPO 213 Welding Lab  LIB 100 Information Fluency in the Digital World  MTH 210 Calculus I	1.0 1.0 0.0 3.0 1.0 3.0 1.0 2.0 4.0	SPRING CRUISE 2012 CRU 150 Sea Training I▶ EPO 220 Diesel Engineering I♣	8.0 2.0 <b>Total 10.0</b>
FALL 2012 COM 220 Programming Applications for Engr. Tech Majors COM 220L Programming Applications for Engr. Tech Majors Lab ELEC 20 Critical Thinking Elective EPO 210 Plant Operations II▶ EPO 214 Boilers EPO 215 Manufacturing Processes I▶ EPO 230 Steam Plant System Operations MTH 211 Calculus II PHY 200 Engineering Physics I PHY 200L Engineering Physics I Lab	1.0 1.0 3.0 1.0 3.0 1.0 4.0 3.0 1.0	SPRING 2013EGL110Speech CommunicationEPO235Steam Plant Watch Team ManagementEPO312TurbinesET230Properties of MaterialsET232StaticsNSC100Naval Science for the MMOPHY205Engineering Physics II	3.0 1.0 3.0 2.0 3.0 4.0 <b>Total 19.0</b>	SPRING CRUISE 2013 CRU 250 Sea Training II	8.0 <b>Total 8.0</b>
ELEC 22 Humanities Elective (Upper Division) ET 230L Properties of Materials Lab ET 250 Electrical Circuits ET 250LElectrical Circuits Lab ET 330 Dynamics ET 332 Strength of Materials ET 344 Thermodynamics FF 200 Basic/Advanced Marine Firefighting  ■	3.0 1.0 3.0 1.0 3.0 3.0 3.0 0.0 Total 17.0	SPRING 2014  EGL 300 Advanced Writing  EPO 310 Plant Operations III▶  EPO 315 Manufacturing Processes II  EPO 322 Diesel Engineering II/Simulator*  EPO 322L Diesel Engineering II/Simulator Lab▶*  ET 340 Fluid Mechanics*  ET 340L Fluid Mechanics Lab*  ET 342 Refrigeration and Air Conditioning*  ET 342L Refrigeration and Air Conditioning Lab▶*  ET 370 Electronics▶*  ET 370L Electronics Lab*	(3.0) 1.0 1.0 1.0 3.0 1.0 2.0 1.0 3.0	SPRING CRUISE 2014 CRU 350 Sea Training III▶	8.0 <b>Total 8.0</b>
FALL 2014ELEC9American Institutions ElectiveENG430Naval Architecture▶ENG470Engineering ManagementET350Electrical MachineryET350L Electrical Machinery Lab▶ET400Instrumentation and MeasurementET400L Instrumentation and Measurement Lab	3.0 3.0 3.0 3.0 1.0 3.0 1.0 Total 17.0	SPRING 2015  ELEC 32 Social Science Elective (Upper Division)  EPO 217 Shipboard Medical  ET 460 Automation  ET 460L Automation Lab  ET 490 Power Engineering Technology  ET 490L Power Engineering Technology Lab  HUM 310 Engineering Ethics	3.0 1.0 3.0 1.0 3.0 1.0 3.0 1.0 3.0 Total 15.0	<ul> <li>STCW Courses (Must receive a "or "CR")</li> <li>Courses in Major (CGPA = 2.0 is</li> </ul>	