**BACHELOR OF SCIENCE IN MARINE TRANSPORTATION**

*(Curriculum applicable to students who entered as freshmen beginning school year 2010-2011)*

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **Year** | **Term** | | **Code** | | **Title** | | | **Lec Hrs** | | **Lab Hrs** | | **Total Units** | | **Prerequisites** | | | **Co-requisites** | **Servicing College/Dept.** | |
| 1 | 1 | | MATH 011 | | ALGEBRA | | | 4.5 | | - | | 3.0 | |  | | |  | CAS | |
| 1 | 1 | | ENG 011 | | ENGLISH FOR ACADEMIC STUDIES 1 | | | 3.0 | | - | | 2.0 | |  | | |  | CAS | |
| 1 | 1 | | FIL 011 | | FILIPINO 1 | | | 3.0 | | - | | 2.0 | |  | | |  | CAS | |
| 1 | 1 | | IT 011L | | I.T. FUNDAMENTALS 1 (LAB) | | | - | | 3.0 | | 1.0 | |  | | |  | CIT | |
| 1 | 1 | | MT101P | | SHIPS, SHIP ROUTINES AND CONSTRUCTON (PAIRED) | | | 3.0 | | 4.5 | | 3.0 | |  | | |  | CMET | |
| 1 | 1 | | MT111 | | TERRESTIAL NAVIGATION 1 | | | 4.5 | | - | | 3.0 | |  | | | MT111L | CMET | |
| 1 | 1 | | MT111L | | TERRESTIAL NAVIGATION 1 (LAB) | | | - | | 4.5 | | 1.0 | |  | | | MT111 | CMET | |
| 1 | 1 | | CWTS011 | | OVERVIEW OF THE NATIONAL SERVICE TRAINING PROGRAM | | | 3.0 | | - | | 2.0 | |  | | |  | CSRO | |
| 1 | 1 | | PE 021 | | PHYSICAL EDUCATION 1: PHYSICAL FITNESS & GYMNASTICS | | | - | | 2.5 | | 1.5 | |  | | |  | CAS | |
| 1 | 1 | | VE 011 | | VALUES EDUCATION 1 | | | 1.5 | | - | | 1 | |  | | |  | CAS | |
|  |  | |  | | **TOTAL** | | | **22.5** | | **14.5** | | **19.5\*** | |  | | |  |  | |
|  |  | |  | |  | | |  | |  | |  | |  | | |  |  | |
| **Year** | **Term** | | **Code** | | **Title** | | | **Lec Hrs** | | **Lab Hrs** | | **Total Units** | | **Prerequisites** | | | **Co-requisites** | **Servicing College/Dept.** | |
| 1 | 2 | | MT121 | | DECK WATCHKEEPING, CHAPTER VIII | | | 3.0 | | - | | 2.0 | |  | | |  | CMET | |
| 1 | 2 | | MATH 012 | | PLANE AND SPHERICAL TRIGONOMETRY | | | 4.5 | | - | | 3.0 | | MATH 011 | | |  | CAS | |
| 1 | 2 | | MT102 | | CARGO HANDLING AND STOWAGE 1 - CARRIAGE OF NON-DANGEROUS GOODS | | | 3.0 | | - | | 2.0 | | MT101P | | |  | CMET | |
| 1 | 2 | | FIL 012 | | FILIPINO 2 | | | 3.0 | | - | | 2.0 | | FIL 011 | | |  | CAS | |
| 1 | 2 | | ENG 012 | | ENGLISH FOR ACADEMIC STUDIES 2 | | | 3.0 | | - | | 2.0 | | ENG 011 | | |  | CAS | |
| 1 | 2 | | MT112 | | TERRESTIAL NAVIGATION 2 | | | 4.5 | | - | | 3.0 | | MT111 | | |  | CMET | |
| 1 | 2 | | CWTS014 | | CIVIC WELFARE AND MILITARY SERVICE TRAINING COURSE - I | | | 3.0 | | - | | 2.0 | | CWTS011 | | |  | CSRO | |
| 1 | 2 | | MT112L | | TERRESTIAL NAVIGATION 2 (LAB) | | | - | | 4.5 | | 1.0 | | MT111,MT111L | | | MT112 | CMET | |
| 1 | 2 | | PE 022 | | PHYSICAL EDUCATION 2; DANCE & MARTIAL ARTS | | | - | | 2.5 | | 1.5 | | PE 021 | | |  | CAS | |
|  |  | |  | | **TOTAL** | | | **24.0** | | **7.0** | | **18.5\*** | |  | | |  |  | |
|  |  | |  | |  | | |  | |  | |  | |  | | |  |  | |
| **Year** | **Term** | | **Code** | | **Title** | | | **Lec Hrs** | | **Lab Hrs** | | **Total Units** | | **Prerequisites** | | | **Co-requisites** | **Servicing College/Dept.** | |
| 1 | 3 | | FIL 013 | | FILIPINO 3 | | | 3.0 | | - | | 2.0 | | FIL 012 | | |  | CAS | |
| 1 | 3 | | ENG 013 | | ENGLISH FOR ACADEMIC STUDIES 3 | | | 3.0 | | - | | 2.0 | | ENG 012 | | |  | CAS | |
| 1 | 3 | | MATH 016 | | SPHERICAL TRIGONOMETRY | | | 3.0 | | - | | 2.0 | | MATH 012 | | |  | CAS | |
| 1 | 3 | | MT122 | | COLLISION REGULATION | | | 4.5 | | - | | 3.0 | | MT121 | | |  | CMET | |
| 1 | 3 | | MT122L | | COLLISION REGULATION (LAB) | | | - | | 4.5 | | 1.0 | | MT121 | | | MT122 | CMET | |
| 1 | 3 | | MT103 | | CARGO HANDLING AND STOWAGE 2 - CARRIAGE OF DANGEROUS GOODS | | | 4.5 | | - | | 3.0 | | MT102 | | |  | CMET | |
| 1 | 3 | | IT 012L | | I.T. FUNDAMENTALS 2 (LAB) | | | - | | 3.0 | | 1.0 | | IT 011L | | |  | CIT | |
| 1 | 3 | | CWTS015 | | CIVIC WELFARE AND MILITARY SERVICE TRAINING COURSE - II | | | 3.0 | | - | | 2.0 | | CWTS014 | | |  | CSRO | |
| 1 | 3 | | PE 027 | | PHYSICAL EDUCATION 3: BASIC SWIMMIMG | | | - | | 2.5 | | 1.5 | |  | | |  | CAS | |
|  |  | |  | | **TOTAL** | | | **21.0** | | **10.0** | | **17.5\*** | |  | | |  |  | |
|  |  | |  | |  | | |  | |  | |  | |  | | |  |  | |
| **Year** | **Term** | | **Code** | | **Title** | | | **Lec Hrs** | | **Lab Hrs** | | **Total Units** | | **Prerequisites** | | | **Co-requisites** | **Servicing College/Dept.** | |
| 1 | 4 | | EC 011 | | STCW'78 as amended and The MARITIME LABOR CONVENTION of 2006 | | | 3.0 | | - | | 2.0 | |  | | |  | CMET | |
| 1 | 4 | | MT 131P | | BASIC SAFETY | | | 3.0 | | 4.5 | | 3.0 | |  | | |  | CMET | |
| 1 | 4 | | SS 020 | | GENERAL PSYCHOLOGY WITH PADAMS, AIDS PREVENTION & FAMILY PLANNING | | | 4.5 | | - | | 3.0 | |  | | |  | CMET | |
|  |  | |  | | **TOTAL** | | | **10.5** | | **4.5** | | **8.0\*** | |  | | |  |  | |
|  |  | |  | |  | | |  | |  | |  | |  | | |  |  | |
| **Year** | **Term** | | **Code** | | **Title** | | | **Lec Hrs** | | **Lab Hrs** | | **Total Units** | | **Prerequisites** | | | **Co-requisites** | **Servicing College/Dept.** | |
| 2 | 1 | | ENG 017 | | MARINE VOCABULARY AND TERMS (MARITIME ENGLISH) | | | 4.5 | | - | | 3.0 | | ENG 013 | | |  | CAS | |
| 2 | 1 | | CHM 015 | | GENERAL CHEMISTRY | | | 4.5 | | - | | 3.0 | |  | | |  | CAS | |
| 2 | 1 | | CHM 015L | | GENERAL CHEMISTRY LABORATORY | | | - | | 3.0 | | 1.0 | |  | | | CHM 015 | CAS | |
| 2 | 1 | | MT113 | | CELESTIAL NAVIGATION 1 | | | 4.5 | | - | | 3.0 | | MATH 016, MT112 | | |  | CMET | |
| 2 | 1 | | MT113L | | CELESTIAL NAVIGATION 1 (LAB) | | | - | | 4.5 | | 1.0 | | MATH 016, MT112 | | | MT113 | CMET | |
| 2 | 1 | | MATH 017 | | SOLID MENSURATION FOR MARITIME PROGRAMS | | | 4.5 | | - | | 3.0 | | MATH012 | | |  | CAS | |
| 2 | 1 | | PE 028 | | PHYSICAL EDUCATION 4: ADVANCED SWIMMING | | | - | | 2.5 | | 1.5 | | PE 027 | | |  | CAS | |
|  |  | |  | | **TOTAL** | | | **18.0** | | **10.0** | | **15.5\*** | |  | | |  |  | |
|  |  | |  | |  | | |  | |  | |  | |  | | |  |  | |
| **Year** | **Term** | | **Code** | | **Title** | | | **Lec Hrs** | | **Lab Hrs** | | **Total Units** | | **Prerequisites** | | | **Co-requisites** | **Servicing College/Dept.** | |
| 2 | 2 | | EC 012 | | SHIP MANAGEMENT SYSTEMS | | | 3.0 | | - | | 2.0 | |  | | |  | CMET | |
| 2 | 2 | | EC 013 | | OCEAN USE MANAGEMENT | | | 3.0 | | - | | 2.0 | |  | | |  | CMET | |
| 2 | 2 | | MT114 | | CELESTIAL NAVIGATION 2 | | | 4.5 | | - | | 3.0 | | MT113 | | |  | CMET | |
| 2 | 2 | | MT114L | | CELESTIAL NAVIGATION 2 (LAB) | | | - | | 4.5 | | 1.0 | | MT113, MT113L | | | MT114 | CMET | |
| 2 | 2 | | MATH 013 | | ANALYTIC GEOMETRY | | | 4.5 | | - | | 3.0 | | MATH 012 | | |  | CAS | |
| 2 | 2 | | PHY 001 | | PHYSICS 1 | | | 4.5 | | - | | 3.0 | | MATH012 | | |  | CAS | |
| 2 | 2 | | PHY 001L | | PHYSICS 1 (LAB) | | | - | | 3.0 | | 1.0 | | MATH012 | | | PHY 001 | CAS | |
| 2 | 2 | | PE 025 | | PHYSICAL EDUCATION 5: INDIVIDUAL/DUAL SPORTS | | | - | | 2.5 | | 1.5 | |  | | |  | CAS | |
| 2 | 2 | | VE 012 | | VALUES EDUCATION 2 | | | 1.5 | | - | | 1.0 | | VE 011 | | |  | CAS | |
|  |  | |  | | **TOTAL** | | | **21.0** | | **10.0** | | **17.5\*** | |  | | |  |  | |
|  |  | |  | |  | | |  | |  | |  | |  | | |  |  | |
| **Year** | **Term** | | **Code** | | **Title** | | | **Lec Hrs** | | **Lab Hrs** | | **Total Units** | | **Prerequisites** | | | **Co-requisites** | **Servicing College/Dept.** | |
| 2 | 3 | | EC 014 | | RISK MANAGEMENT AND INCIDENT INVESTIGATION AND ROOT CAUSE ANALYSIS, | | | 3.0 | | - | | 2.0 | |  | | |  | CMET | |
| 2 | 3 | | ENG 016 | | ENGLISH FOR THE WORKPLACE | | | 4.5 | | - | | 3.0 | | ENG013 | | |  | CMET | |
| 2 | 3 | | PHY 002 | | PHYSICS 2 | | | 4.5 | | - | | 3.0 | | PHY 001 | | |  | CAS | |
| 2 | 3 | | PHY 002L | | PHYSICS 2 (LAB) | | | - | | 3.0 | | 1.0 | | PHY 001, PHY 001L | | | PHY 002 | CAS | |
| 2 | 3 | | MT141 | | MERCHANT SHIPS SEARCH AND RESCUE | | | 3.0 | | - | | 2.0 | |  | | |  | CMET | |
| 2 | 3 | | MT141L | | MERCHANT SHIPS SEARCH AND RESCUE (LAB) | | | - | | 4.5 | | 1.0 | |  | | | MT141 | CMET | |
| 2 | 3 | | MT115P | | ELECTRONIC NAVIGATION - RADAR 1 (PAIRED) | | | 1.5 | | 4.5 | | 2.0 | | MT112, MT112L | | |  | CMET | |
| 2 | 3 | | IT013L | | I.T. FUNDAMENTALS 3 (LAB) | | | - | | 3.0 | | 1.0 | | IT 012L | | |  | CIT | |
| 2 | 3 | | PE 026 | | PHYSICAL EDUCATION 6: ADVANCED INDIVIDUAL/DUAL SPORTS | | | - | | 2.5 | | 1.5 | | PE 025 | | |  | CAS | |
|  |  | |  | | **TOTAL** | | | **16.5** | | **17.5** | | **16.5\*** | |  | | |  |  | |
|  |  | |  | |  | | |  | |  | |  | |  | | |  |  | |
| **Year** | **Term** | | **Code** | | **Title** | | | **Lec Hrs** | | **Lab Hrs** | | **Total Units** | | **Prerequisites** | | | **Co-requisites** | **Servicing College/Dept.** | |
| 3 | 1 | | MT199R | | MT SHIPBOARD TRAINING | | | - | | 180.0 | | 40.0 | | MT 131P | | |  | CMET | |
| 3 | 2 | |
| 3 | 3 | |
|  |  | |  | | **TOTAL** | | |  | | **180.0** | | **40.0\*** | |  | | |  |  | |
|  |  | |  | |  | | |  | |  | |  | |  | | |  |  | |
| **Year** | **Term** | | **Code** | | **Title** | | | **Lec Hrs** | | **Lab Hrs** | | **Total Units** | | **Prerequisites** | | | **Co-requisites** | **Servicing College/Dept.** | |
| 4 | 1 | | EC 016 | | SHIP AUDITING | | | 3.0 | | - | | 2.0 | |  | | |  | CMET | |
| 4 | 1 | | MT151P | | RADIO COMMUNICATIONS - INMARSAT/GMDSS 1 (PAIRED) | | | 3.0 | | 4.5 | | 3.0 | |  | | |  | CMET | |
| 4 | 1 | | MT116P | | ELECTRONIC NAVIGATION - RADAR 2 (PAIRED) | | | 1.5 | | 4.5 | | 2.0 | | MT115P | | |  | CMET | |
| 4 | 1 | | MT161 | | BASIC MARINE ENGINEERING | | | 4.5 | | - | | 3.0 | |  | | |  | CMET | |
| 4 | 1 | | MT104 | | STABILITY AND TRIM | | | 4.5 | | - | | 3.0 | | MT103 | | |  | CMET | |
| 4 | 1 | | MT104L | | STABILITY AND TRIM (LAB) | | | - | | 4.5 | | 1.0 | | MT103 | | | MT104 | CMET | |
| 4 | 1 | | VE 013 | | VALUES EDUCATION 3 | | | 1.5 | | - | | 1.0 | | VE 011 | | |  | CAS | |
| 4 | 1 | | MT198-1 | | MT CORRELATION 1 | | | - | | 3.0 | | 1.0 | | IT013L, PHY 002 | | |  | CMET | |
|  |  | |  | | **TOTAL** | | | **18.0** | | **16.5** | | **16.0\*** | |  | | |  |  | |
|  |  | |  | |  | | |  | |  | |  | |  | | |  |  | |
| **Year** | **Term** | | **Code** | | **Title** | | | **Lec Hrs** | | **Lab Hrs** | | **Total Units** | | **Prerequisites** | | | **Co-requisites** | **Servicing College/Dept.** | |
| 4 | 2 | | EC 015 | | LEADERSHIP and MANAGEMENT FOR MARITIME OFFICERS | | | 3.0 | | - | | 2.0 | |  | | |  | CMET | |
| 4 | 2 | | MT152P | | RADIO COMMUNICATIONS - INMARSAT/GMDSS 2 (PAIRED) | | | 1.5 | | 4.5 | | 2.0 | | MT151P | | |  | CMET | |
| 4 | 2 | | MT162 | | SHIPBOARD PERSONNEL MANAGEMENT | | | 4.5 | | - | | 3.0 | |  | | |  | CMET | |
| 4 | 2 | | MT117P | | ELECTRONIC NAVIGATION - ARPA 1 (PAIRED) | | | 3.0 | | 4.5 | | 3.0 | | MT116P | | |  | CMET | |
| 4 | 2 | | MT105P | | SHIP HANDLING AND MANEUVERING (PAIRED) | | | 1.5 | | 4.5 | | 2.0 | | MT104, MT104L | | |  | CMET | |
| 4 | 2 | | MT163 | | METEOROLOGY AND OCEANOGRAPHY | | | 3.0 | | - | | 2.0 | |  | | |  | CMET | |
|  |  | |  | | **TOTAL** | | | **16.5** | | **13.5** | | **14.0\*** | |  | | |  |  | |
|  |  | |  | |  | | |  | |  | |  | |  | | |  |  | |
| **Year** | **Term** | | **Code** | | **Title** | | | **Lec Hrs** | | **Lab Hrs** | | **Total Units** | | **Prerequisites** | | | **Co-requisites** | **Servicing College/Dept.** | |
| 4 | 3 | | MT118P | | ELECTRONIC NAVIGATION - ARPA 2 (PAIRED) | | | 1.5 | | 4.5 | | 2.0 | | MT117P | | |  | CMET | |
| 4 | 3 | | MT164 | | MARITIME LAW | | | 4.5 | | - | | 3.0 | |  | | |  | CMET | |
| 4 | 3 | | MT165 | | MARINE POLLUTION AND PREVENTION | | | 4.5 | | - | | 3.0 | |  | | |  | CMET | |
| 4 | 3 | | MATH020 | | BASIC CALCULUS | | | 4.5 | | - | | 3.0 | | MATH013 | | |  | CAS | |
| 4 | 3 | | MT 160 | | INTRODUCTION TO SHIP BUSINESS MANAGEMENT | | | 4.5 | | - | | 3.0 | |  | | |  | CAS | |
| 4 | 3 | | VE 014 | | VALUES EDUCATION 4 | | | 1.5 | | - | | 1.0 | | VE 013 | | |  | CAS | |
| 4 | 3 | | MT198-2 | | MT CORRELATION 2 | | | - | | 3.0 | | 1.0 | | MT198-1, MT105P, MT117P | | |  | CMET | |
|  |  | |  | | **TOTAL** | | | **21.0** | | **7.5** | | **16.0\*** | |  | | |  |  | |
|  |  | |  | |  | | |  | |  | |  | |  | | |  |  | |
| **Year** | **Term** | | **Code** | | **Title** | | | **Lec Hrs** | | **Lab Hrs** | | **Total Units** | | **Prerequisites** | | | **Co-requisites** | **Servicing College/Dept.** | |
| 4 | 4 | | SS014 | | JOSE RIZAL AND THE DEVELOPMENT OF FILIPINO NATIONALISM | | | 4.5 | | - | | 3.0 | |  | | |  | CAS | |
| 4 | 4 | | SS019 | | PHILIPPINE HISTORY, GOVERNMENT AND CONSTITUTION | | | 4.5 | | - | | 3.0 | |  | | |  | CAS | |
| 4 | 4 | | HUM018 | | CONTEMPORARY WORLD GEOGRAPHY & CULTURE | | | 4.5 | | - | | 3.0 | |  | | |  | CAS | |
|  |  | |  | | **TOTAL** | | | **13.5** | | 0.0 | | 9.0\* | |  | | |  |  | |
|  |  | |  | |  | | |  | |  | |  | | |  | |  |  | |
|  | |  | |  | |  | *\*PE, NSTP, VE and CORRELATION units are not considered in the computation of TWA and maximum load per term.* | | | | | | | | | | | | | |
| **TOTAL NO. OF UNITS: 208.0** | | | | | | |  | |  | |  | |  | | |  | | |  | |
| **LESS NON-ACADEMIC UNITS: 187.0** | | | | | | |  | |  | |  | |  | | |  | | |  | |