**BACHELOR OF SCIENCE IN MARINE TRANSPORTATION**

*(Curriculum applicable to students who entered as freshmen beginning school year 2009-2010)*

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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 |  |  | CAS |
| 1 | 1 | ENG 011 | ENGLISH FOR ACADEMIC STUDIES 1 | 3 |  | 2 |  |  | CAS |
| 1 | 1 | FIL 011 | FILIPINO 1 | 3 |  | 2 |  |  | CAS |
| 1 | 1 | IT 011L | I.T. FUNDAMENTALS 1 (LAB) | - | 3 | 1 |  |  | CIT |
| 1 | 1 | MT101P | SHIPS, SHIP ROUTINES AND CONSTRUCTON (PAIRED) | 3 | 3 | 3 |  |  | CMET |
| 1 | 1 | MT111 | TERRESTIAL NAVIGATION 1 | 4.5 | - | 3 |  |  | CMET |
| 1 | 1 | MT111L | TERRESTIAL NAVIGATION 1 (LAB) | - | 3 | 1 |  | MT111 | CMET |
| 1 | 1 | PE 021 | PHYSICAL EDUCATION 1 | - | 2.25 | (1.5) |  |  | CAS |
| 1 | 1 | VE 011 | VALUES EDUCATION 1 | 1.5 | - | (1) |  |  | CAS |
|  |  |  | **TOTAL** | **19.5** | **11.3** | **15** |  |  |  |
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| **Year** | **Term** | **Code** | **Title** | **Lec Hrs** | **Lab Hrs** | **Total Units** | **Prerequisites** | **Co-requisites** | **Servicing College/Dept.** |
| 1 | 2 | MT121 | DECK WATCHKEEPING, CHAPTER VIII | 3 | - | 2 |  |  | CMET |
| 1 | 2 | MATH 012 | PLANE AND SPHERICAL TRIGONOMETRY 1 | 4.5 | - | 3 | MATH 011 |  | CAS |
| 1 | 2 | MT102 | CARGO HANDLING AND STOWAGE 1 - CARRIAGE OF NON-DANGEROUS GOODS | 3 | - | 2 | MT101P |  | CMET |
| 1 | 2 | FIL 012 | FILIPINO 2 | 3 | - | 2 | FIL 011 |  | CAS |
| 1 | 2 | ENG 012 | ENGLISH FOR ACADEMIC STUDIES 2 | 3 | - | 2 | ENG 011 |  | CAS |
| 1 | 2 | MT112 | TERRESTIAL NAVIGATION 2 | 4.5 | - | 3 | MT111 |  | CMET |
| 1 | 2 | MT112L | TERRESTIAL NAVIGATION 2 (LAB) | - | 3 | 1 | MT111,MT111L | MT112 | CMET |
| 1 | 2 | PE 022 | PHYSICAL EDUCATION 2 | - | 2.25 | (1.5) |  |  | CAS |
|  |  |  | **TOTAL** | **21** | **5.3** | **15** |  |  |  |
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| **Year** | **Term** | **Code** | **Title** | **Lec Hrs** | **Lab Hrs** | **Total Units** | **Prerequisites** | **Co-requisites** | **Servicing College/Dept.** |
| 1 | 3 | FIL 013 | FILIPINO 3 | 3 | - | 2 | FIL 012 |  | CAS |
| 1 | 3 | ENG 013 | ENGLISH FOR ACADEMIC STUDIES 3 | 3 | - | 2 | ENG 012 |  | CAS |
| 1 | 3 | MATH 016 | PLANE AND SPHERICAL TRIGONOMETRY 2 | 3 | - | 2 | MATH 012 |  | CAS |
| 1 | 3 | MT122 | COLLISION REGULATION | 4.5 | - | 3 | MT121 |  | CMET |
| 1 | 3 | MT122L | COLLISION REGULATION (LAB) | - | 3 | 1 | MT121 | MT122 | CMET |
| 1 | 3 | MT103 | CARGO HANDLING AND STOWAGE 2 - CARRIAGE OF DANGEROUS GOODS | 4.5 |  | 3 | MT102 |  | CMET |
| 1 | 3 | IT 012L | I.T. FUNDAMENTALS 2 (LAB) | - | 3 | 1 | IT 011L |  | CIT |
| 1 | 3 | PE 023 | PHYSICAL EDUCATION 3 |  | 2.25 | (1.5) | PE 022 |  | CAS |
|  |  |  | **TOTAL** | **18** | **8.3** | **14** |  |  |  |
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| **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 | 6 |  | 2 |  |  | CMET |
| 1 | 4 | MT 131P | BASIC SAFETY | 9 |  | 3 |  |  | CMET |
| 1 | 4 | SS 020 | GENERAL PSYCHOLOGY, PADAMS, AIDS PREVENTION, FAMILY PLANNING | 9 |  | 3 |  |  | CMET |
|  |  |  | **TOTAL** | **24** |  | **8** |  |  |  |
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| **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 | ENG 013 |  | CAS |
| 2 | 1 | CHM 015 | CHEMISTRY | 4.5 | - | 3 |  |  | CAS |
| 2 | 1 | CHM 015L | CHEMISTRY (LAB) |  | 3 | 1 |  | CHM 015 | CAS |
| 2 | 1 | MT113 | CELESTIAL NAVIGATION 1 | 4.5 | - | 3 | MATH 011,MATH 016,MT112 |  | CMET |
| 2 | 1 | MT113L | CELESTIAL NAVIGATION 1 (LAB) |  | 3 | 1 | MATH 011, MATH 016, MT112,MT112L | MT113 | CMET |
| 2 | 1 | MATH 017 | SOLID MENSURATION | 4.5 | - | 3 |  |  | CAS |
| 2 | 1 | NSTP 011 | NATIONAL SERVICE TRAINING PROGRAM 1 | - | 3 | -2 |  |  | CAS |
| 2 | 1 | PE 024 | PHYSICAL EDUCATION 4 |  | 2.25 | (1.5) | PE 023 |  | CAS |
|  |  |  | **TOTAL** | **18** | **11.3** | **14** |  |  |  |
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| **Year** | **Term** | **Code** | **Title** | **Lec Hrs** | **Lab Hrs** | **Total Units** | **Prerequisites** | **Co-requisites** | **Servicing College/Dept.** |
| 2 | 2 | EC 013 | OCEAN USE MANAGEMENT | 3 |  | 2 |  |  | CMET |
| 2 | 2 | MT114 | CELESTIAL NAVIGATION 2 | 4.5 |  | 3 | MT113 |  | CMET |
| 2 | 2 | MT114L | CELESTIAL NAVIGATION 2 (LAB) |  | 3 | 1 | MT113,MT113L | MT114 | CMET |
| 2 | 2 | MATH 013 | ANALYTIC GEOMETRY | 4.5 |  | 3 | MATH 011, MATH 012 |  | CAS |
| 2 | 2 | PHY 001 | PHYSICS 1 | 4.5 |  | 3 |  |  | CAS |
| 2 | 2 | PHY 001L | PHYSICS 1 (LAB) |  | 3 | 1 |  | PHY 001 | CAS |
| 2 | 2 | EC 012 | SHIP MANAGEMENT SYSTEMS | 3 |  | 2 |  |  | CMET |
| 2 | 2 | NSTP 012 | NATIONAL SERVICE TRAINING PROGRAM 2 | - | 3 | -2 | NSTP 011 |  | CAS |
| 2 | 2 | PE 025 | PHYSICAL EDUCATION 5 | - | 2.25 | (1.5) | PE 024 |  | CAS |
| 2 | 2 | VE 012 | VALUES EDUCATION 2 | 1.5 |  | (1) | VE 011 |  | CAS |
|  |  |  | **TOTAL** | **21** | **11.3** | **15** |  |  |  |
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| **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 |  | 2 |  |  | CMET |
| 2 | 3 | ENG 016 | ENGLISH AT THE WORKPLACE | 3 | 3 | 3 | ENG 013 |  | CMET |
| 2 | 3 | PHY 002 | PHYSICS 2 | 4.5 |  | 3 | PHY 001 |  | CAS |
| 2 | 3 | PHY 002L | PHYSICS 2 (LAB) |  | 3 | 1 | PHY 001, PHY 001L | PHY 002 | CAS |
| 2 | 3 | MT141 | MERCHANT SHIPS SEARCH AND RESCUE | 3 |  | 2 |  |  | CMET |
| 2 | 3 | MT141L | MERCHANT SHIPS SEARCH AND RESCUE (LAB) |  | 3 | 1 |  | MT141 | CMET |
| 2 | 3 | MT115P | ELECTRONIC NAVIGATION - RADAR 1 (PAIRED) | 1.5 | 3 | 2 | MT112,MT112L |  | CMET |
| 2 | 3 | IT013L | I.T. FUNDAMENTALS 3 (LAB) |  | 3 | 1 | IT 012L |  | CIT |
| 2 | 3 | PE 026 | PHYSICAL EDUCATION 6 | - | 2.25 | (1.5) | PE 025 |  | CAS |
| 2 | 3 | NSTP 013 | NATIONAL SERVICE TRAINING PROGRAM 3 |  | 3 | -2 | NSTP 012 |  | CAS |
|  |  |  | **TOTAL** | **15** | **20.3** | **15** |  |  |  |
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| **Year** | **Term** | **Code** | **Title** | **Lec Hrs** | **Lab Hrs** | **Total Units** | **Prerequisites** | **Co-requisites** | **Servicing College/Dept.** |
| 3 | 1 | MT199-1R | MT SHIPBOARD TRAINING 1 | 1/3 year | | 13 | ENG 016 |  | CMET |
|  |  |  | **TOTAL** |  | | **13** |  |  |  |
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| **Year** | **Term** | **Code** | **Title** | **Lec Hrs** | **Lab Hrs** | **Total Units** | **Prerequisites** | **Co-requisites** | **Servicing College/Dept.** |
| 3 | 2 | MT199-2R | MT SHIPBOARD TRAINING 2 | 1/3 year | | 13 | ENG 016 |  | CMET |
|  |  |  | **TOTAL** |  | | **13** |  |  |  |
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| **Year** | **Term** | **Code** | **Title** | **Lec Hrs** | **Lab Hrs** | **Total Units** | **Prerequisites** | **Co-requisites** | **Servicing College/Dept.** |
| 3 | 3 | MT199-3R | MT SHIPBOARD TRAINING 3 | 1/3 year | | 14 | ENG 016 |  | CMET |
|  |  |  | **TOTAL** |  | | **14** |  |  |  |
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| **Year** | **Term** | **Code** | **Title** | **Lec Hrs** | **Lab Hrs** | **Total Units** | **Prerequisites** | **Co-requisites** | **Servicing College/Dept.** |
| 4 | 1 | EC 016 | SHIP AUDITING | 3 | - | 2 |  |  | CMET |
| 4 | 1 | MT151P | RADIO COMMUNICATIONS - INMARSAT/GMDSS 1 (PAIRED) | 3 | 3 | 3 |  |  | CMET |
| 4 | 1 | MT116P | ELECTRONIC NAVIGATION - RADAR 2 (PAIRED) | 1.5 | 3 | 2 | MT115P |  | CMET |
| 4 | 1 | MT161 | BASIC MARINE ENGINEERING | 4.5 | - | 3 |  |  | CMET |
| 4 | 1 | MT104 | STABILITY AND TRIM | 4.5 | - | 3 | MT103 |  | CMET |
| 4 | 1 | MT104L | STABILITY AND TRIM (LAB) |  | 3 | 1 | MT103 | MT104 | CMET |
| 4 | 1 | VE 013 | VALUES EDUCATION 3 | 1.5 | - | (1) | VE 011 |  | CAS |
| 4 | 1 | MT198-1 | MT CORRELATION 1 |  | 3 | (1) | IT013L,PHY 002 |  | CMET |
|  |  |  | **TOTAL** | **18** | **12** | **14** |  |  |  |
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| **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 | - | 2 |  |  | CMET |
| 4 | 2 | MT152P | RADIO COMMUNICATIONS - INMARSAT/GMDSS 2 (PAIRED) | 1.5 | 3 | 2 | MT151P |  | CMET |
| 4 | 2 | MT162 | SHIPBOARD PERSONNEL MANAGEMENT | 4.5 | - | 3 |  |  | CMET |
| 4 | 2 | MT117P | ELECTRONIC NAVIGATION - ARPA 1 (PAIRED) | 3 | 3 | 3 | EC 016 |  | CMET |
| 4 | 2 | MT105P | SHIP HANDLING AND MANEUVERING (PAIRED) | 1.5 | 3 | 2 | MT104,MT104L |  | CMET |
| 4 | 2 | MT163 | METEOROLOGY AND OCEANOGRAPHY | 3 | - | 2 |  |  | CMET |
|  |  |  | **TOTAL** | **16.5** | **9** | **14** |  |  |  |
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| **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 | 3 | 2 | MT117P |  | CMET |
| 4 | 3 | MT164 | MARITIME LAW | 4.5 | - | 3 |  |  | CMET |
| 4 | 3 | MT165 | MARINE POLLUTION AND PREVENTION | 4.5 | - | 3 |  |  | CMET |
| 4 | 3 | MATH 020 | BASIC CALCULUS | 4.5 | - | 3 | MATH 013 |  | CAS |
| 4 | 3 | MT 160 | INTRODUCTION TO SHIP BUSINESS MANAGEMENT | 4.5 | - | 3 |  |  | CAS |
| 4 | 3 | VE 014 | VALUES EDUCATION 4 | 1.5 | - | (1) | VE 011 |  | CAS |
| 4 | 3 | MT198-2 | MT CORRELATION 2 |  | 3 | (1) | MT198-1 |  | CMET |
|  |  |  | **TOTAL** | **21** | **6** | **14** |  |  |  |
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| **Year** | **Term** | **Code** | **Title** | **Lec Hrs** | **Lab Hrs** | **Total Units** | **Prerequisites** | **Co-requisites** | **Servicing College/Dept.** |
| 4 | 4 | SS 014 | JOSE RIZAL AND THE DEVELOPMENT OF FILIPINO NATIONALISM | 9 |  | 3 |  |  | CAS |
| 4 | 4 | SS 019 | PHILIPPINE HISTORY, GOVERNMENT AND CONSTITUTION | 9 |  | 3 |  |  | CAS |
| 4 | 4 | HUM 018 | CONTEMPORARY WORLD GEOGRAPHY AND CULTURE | 9 |  | 3 |  |  | CAS |
|  |  |  | **TOTAL** | **27** |  | 9 |  |  |  |
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| **HUMANITIES ELECTIVES** | | | | | | | | | |
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| **Year** | **Term** | **Code** | **Title** | **Lec Hrs** | **Lab Hrs** | **Total Units** | **Prerequisites** | **Co-requisites** | **Servicing College/Dept.** |
|  |  | HUM 016 | CONTEMPORARY WORLD GEOGRAPHY AND CULTURE | 4.5 |  | 3 |  |  | CAS |
|  |  |  | **TOTAL** | **4.5** |  | **3** |  |  |  |
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| **SOCIAL SCIENCE ELECTIVES** | | | | | | | | | |
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| **Year** | **Term** | **Code** | **Title** | **Lec Hrs** | **Lab Hrs** | **Total Units** | **Prerequisites** | **Co-requisites** | **Servicing College/Dept.** |
|  |  | SS 014 | JOSE RIZAL AND THE DEVELOPMENT OF FILIPIN0 NATIONALISM | 4.5 |  | 3 |  |  | CAS |
|  |  | SS 019 | PHILIPPINE HISTORY, GOVERNMENT AND CONSTITUTION | 4.5 |  | 3 |  |  | CAS |
|  |  | SS 020 | GENERAL PSYCHOLOGY, PADAMS, AIDS, FAMILY PLANNING | 4.5 |  | 3 |  |  | CAS |
|  |  |  | **TOTAL** | **13.5** |  | **9** |  |  |  |