

**Class of 2021 & 2022 A**

**Major: Marine Transportation**

| Term 1  | C         | L         | CHr          | CR           | Term 2                                       | C         | L        | CHr          | CR           | Term 3   | C         | L        | CHr          | CR            |
|---|-----------|-----------|--------------|--------------|--|-----------|----------|--------------|--------------|--|-----------|----------|--------------|---------------|
| NAUT 101 LEC Introduction to Nautical Science     | 2         | 2         | 4.00         | 3.00         | NAUT 120 LEC Terrestrial Navigation 1        | 2         | 2        | 4.00         | 3.00         | NAUT 125 LEC Terrestrial Navigation 2            | 3         | 0        | 3.00         | 3.00          |
| ECME 101 LEC Introduction to Marine Engineering I | 3         | 3         | 4.50         | 3.50         | NAUT 130 LEC Introduction to Navigation Law  | 1         | 0        | 1.00         | 1.00         | NAUT 160 LEC Ship Constructions and Stability    | 3         | 0        | 3.00         | 3.00          |
| NAUT 110 LEC Basic Firefighting and Safety        | 2         | 0         | 2.00         | 2.00         | BUSN 110 LEC The Business of Transportation  | 3         | 0        | 3.00         | 3.00         | BUSN 210 Principles of Economics                 | 3         | 0        | 3.00         | 3.00          |
| HIST 100 LEC History of Sea Power                 | 3         | 0         | 3.00         | 3.00         | LITR 101 LEC Composition & Literature        | 3         | 0        | 3.00         | 3.00         | MATH 210 LEC Probability & Statistics            | 3         | 0        | 3.00         | 3.00          |
| MATH 101 LEC Calculus I                           | 3         | 0         | 3.00         | 3.00         | MATH 120 LEC Calculus II                     | 3         | 0        | 3.00         | 3.00         | PHYS 120 LEC Physics 2                           | 3         | 2        | 4.50         | 3.00          |
| PHYS 110 LEC Physics 1                            | 3         | 2         | 4.50         | 3.00         | NASC 100 LEC Introduction to Naval Science   | 2         | 0        | 2.00         | 2.00         | PE&A 130 LAB Aquatic Survival                    | 0         | 2        | 2.00         | 1.00          |
| PE&A 120 LAB First Aid                            | 0         | 2         | 1.00         | 0.50         | PE&A 110 LAB Basic Swimming                  | 0         | 2        | 2.00         | 1.00         | MLOG 120 VPDS                                    | 0         | 1        | 1.00         | 0.00          |
| PE&A 125 LAB Self Defense Tactics                 | 0         | 2         | 1.00         | 0.50         | BUSN101 Principles of Leadership             | 1         | 0        | 1.00         | 1.00         |  |           |          |              |               |
| CMDT100 Social Responsibility                     |           |           |              | 0.00         |  |           |          |              |              |  |           |          |              |               |
|   | <b>16</b> | <b>11</b> | <b>23.00</b> | <b>18.50</b> |  | <b>15</b> | <b>4</b> | <b>19.00</b> | <b>17.00</b> |  | <b>15</b> | <b>5</b> | <b>19.50</b> | <b>16.00</b>  |
| Term 4  | C         | L         | CHr          | CR           | Term 5                                       | C         | L        | CHr          | CR           | Term 6   | C         | L        | CHr          | CR            |
| NAUT 140 LEC Maritime Communications              | 3         | 2         | 5.00         | 4.00         | NPRJ 210 PRJ Cargo Operations 1              |           |          |              | 1.00         | NAUT 215 LEC Integrated Navigation 2             | 3         | 2        | 5.00         | 4.00          |
| NAUT 210 LEC Integrated Navigation 1              | 3         | 2         | 5.00         | 4.00         | NPRJ 215 PRJ Integrated Navigation Systems 1 |           |          |              | 1.00         | NAUT 230 LEC Navigation Law                      | 2         | 0        | 2.00         | 2.00          |
| NAUT 250 LEC Dry Cargo Operations                 | 3         | 0         | 3.00         | 3.00         | NPRJ 220 PRJ Seamanship 1                    |           |          |              | 1.00         | BUSN 230 LEC Principles of Management            | 3         | 0        | 3.00         | 3.00          |
| BUSN 310 LEC Accounting & Finance                 | 3         | 0         | 3.00         | 3.00         | NPRJ 225 PRJ Ship Structure and Stability 1  |           |          |              | 1.00         | CHEM 100 LEC General Chemistry                   | 3         | 2        | 5.00         | 4.00          |
| WTRF 100 LEC Safety of Life at Sea                | 1         | 2         | 3.00         | 2.00         | NPRJ 230 PRJ Navigation I                    |           |          |              | 1.00         | LITR 201 LEC Literature                          | 3         | 0        | 3.00         | 3.00          |
|   |           |           |              |              | NPRJ 235 PRJ Navigation Law 1                |           |          |              | 1.00         | BUSN201 Maritime Leadership and Managemer        | 2         | 0        | 2.00         | 2.00          |
|   |           |           |              |              | EPRJ 245 PRJ Marine Engine for Deck Project  |           |          |              | 1.00         |  |           |          |              |               |
|   | <b>13</b> | <b>6</b>  | <b>19.00</b> | <b>16.00</b> |  | <b>0</b>  | <b>0</b> | <b>0.00</b>  | <b>7.00</b>  |  | <b>16</b> | <b>4</b> | <b>20.00</b> | <b>18.00</b>  |
| Term 7  | C         | L         | CHr          | CR           | Term 8                                       | C         | L        | CHr          | CR           | Term 9   | C         | L        | CHr          | CR            |
| NAUT 220 LEC Liquid Cargo Operations              | 2         | 2         | 4.00         | 3.00         | NPRJ 310 PRJ Cargo Operations 2              |           |          |              | 2.00         | NPRJ 335 PRJ Navigation Law 2                    |           |          |              | 2.00          |
| NAUT 225 LEC Celestial Navigation                 | 3         | 2         | 5.00         | 4.00         | NPRJ 315 PRJ Integrated Navigation Systems 2 |           |          |              | 1.00         | NPRJ 340 PRJ Maritime Business                   |           |          |              | 1.00          |
| NAUT 240 LEC Meteorology                          | 3         | 0         | 3.00         | 3.00         | NPRJ 320 PRJ Seamanship 2                    |           |          |              | 1.50         | NPRJ 345 PRJ Maritime Communications Sea Project |           |          |              | 1.00          |
| BUSN 300 LEC Fundamentals of Business Law         | 3         | 0         | 3.00         | 3.00         | NPRJ 325 PRJ Ship Structure and Stability 2  |           |          |              | 1.50         | HPRJ 300 PRJ Humanities Sea Project              |           |          |              | 1.00          |
| NASC 200 LEC Strategic Sealift                    | 2         | 0         | 2.00         | 2.00         | NPRJ 330 PRJ Navigation II                   |           |          |              | 2.00         | INSP100 PRJ Internship                           |           |          |              | 1.00          |
| PE&A 200 LAB Medical Care Provider                | 0         | 2         | 2.00         | 1.00         |  |           |          |              |              |  |           |          |              |               |
|   | <b>13</b> | <b>6</b>  | <b>19.00</b> | <b>16.00</b> |  | <b>0</b>  | <b>0</b> | <b>0.00</b>  | <b>8.00</b>  |  | <b>0</b>  | <b>0</b> | <b>0.00</b>  | <b>6.00</b>   |
| Term 10   | C         | L         | CHr          | CR           | Term 11                                      | C         | L        | CHr          | CR           | Term 12  | C         | L        | CHr          | CR            |
| NAUT 310 LEC Integrated Navigation 3              | 3         | 2         | 5.00         | 4.00         | NAUT 440 LAB Flashing Light and Radar Obse   | 0         | 2        | 2.00         | 0.00         | NAUT 400 LEC License Seminar                     | 0         | 3        | 3.00         | 0.00          |
| NAUT 420 LEC Advanced Firefighting                | 1         | 1         | 2.00         | 1.50         | NAUT 460 LEC Bridge Resource Management      | 1         | 2        | 3.00         | 2.00         | ECME480 LEC Marine Engineering for Deck Off      | 2         | 1        | 3.50         | 2.50          |
| NAUT 330 LEC The Maritime Regulatory Environme    | 2         | 0         | 2.00         | 2.00         | BUSN 420 LEC Maritime Economics              | 3         | 0        | 3.00         | 3.00         | BUSN 430 LEC Admiralty and International Law     | 2         | 0        | 2.00         | 2.00          |
| BUSN 410 LEC Marketing                            | 2         | 1         | 3.00         | 2.50         | NASC 400 LEC Naval Leadership & Ethics       | 2         | 0        | 2.00         | 2.00         | NASC 410 LEC Naval Science Senior Seminar        | 2         | 0        | 2.00         | 2.00          |
| HIST 410 LEC Modern World History                 | 3         | 0         | 3.00         | 3.00         | <b>Humanities Elective</b>                   | <b>3</b>  | <b>0</b> | <b>3.00</b>  | <b>3.00</b>  | <b>Elective</b>                                  | <b>3</b>  | <b>0</b> | <b>3.00</b>  | <b>3.00</b>   |
| <b>Elective</b>                                   | <b>3</b>  | <b>0</b>  | <b>3.00</b>  | <b>3.00</b>  | <b>Elective</b>                              | <b>3</b>  | <b>0</b> | <b>3.00</b>  | <b>3.00</b>  | <b>Elective</b>                                  | <b>3</b>  | <b>0</b> | <b>3.00</b>  | <b>3.00</b>   |
|   |           |           |              |              |  |           |          |              |              |  |           |          |              |               |
|   | <b>14</b> | <b>4</b>  | <b>18.00</b> | <b>16.00</b> |  | <b>12</b> | <b>4</b> | <b>16.00</b> | <b>13.00</b> |  | <b>12</b> | <b>4</b> | <b>16.50</b> | <b>12.50</b>  |
|   |           |           |              |              |  |           |          |              |              | Total In-Resident Credits                        |           |          |              | 143.00        |
|   |           |           |              |              |  |           |          |              |              | Total Credits                                    |           |          |              | <b>164.00</b> |

**Office of the Registrar**  
United States Merchant Marine Academy

**Class of 2021 & 2022 B**

**Major: Marine Transportation**

| Term 1  |          |          |             |             | Term 2  |          |          |             |             | Term 3   |          |          |                           |               |
|---|----------|----------|-------------|-------------|---|----------|----------|-------------|-------------|--|----------|----------|---------------------------|---------------|
| C   | L        | CHr      | CR          |             | C   | L        | CHr      | CR          |             | C  | L        | CHr      | CR                        |               |
| NAUT 101 LEC Introduction to Nautical Science     | 2        | 2        | 4.00        | 3.00        | NAUT 120 LEC Terrestrial Navigation 1         | 2        | 2        | 4.00        | 3.00        | NAUT 125 LEC Terrestrial Navigation 2            | 3        | 0        | 3.00                      | 3.00          |
| ECME 101 LEC Introduction to Marine Engineering   | 3        | 3        | 4.50        | 3.50        | NAUT 130 LEC Introduction to Navigation Law   | 1        | 0        | 1.00        | 1.00        | NAUT 210 LEC Integrated Navigation 1             | 3        | 2        | 5.00                      | 4.00          |
| NAUT 110 LEC Basic Firefighting and Safety        | 2        | 0        | 2.00        | 2.00        | NAUT 140 LEC Maritime Communications          | 3        | 2        | 5.00        | 4.00        | NAUT 250 LEC Dry Cargo Operations                | 3        | 0        | 3.00                      | 3.00          |
| HIST 100 LEC History of Sea Power                 | 3        | 0        | 3.00        | 3.00        | NAUT 160 LEC Ship Constructions and Stability | 3        | 0        | 3.00        | 3.00        | MATH 120 LEC Calculus II                         | 2        | 0        | 3.00                      | 3.00          |
| MATH 101 LEC Calculus I                           | 3        | 0        | 3.00        | 3.00        | PHYS 120 LEC Physics 2                        | 3        | 2        | 4.50        | 3.00        | WTRF 100 LEC Safety of Life at Sea               | 1        | 2        | 3.00                      | 2.00          |
| PHYS 110 LEC Physics 1                            | 3        | 2        | 4.50        | 3.00        | LITR 101 LEC Composition & Literature         | 3        | 0        | 3.00        | 3.00        | NASC 100 LEC Introduction to Naval Science       | 2        | 0        | 2.00                      | 2.00          |
| PE&A 120 LAB First Aid                            | 0        | 2        | 1.00        | 0.50        | PE&A 110 LAB Basic Swimming                   | 0        | 2        | 2.00        | 1.00        | PE&A 130 LAB Aquatic Survival                    | 0        | 2        | 2.00                      | 1.00          |
| PE&A 125 LAB Self Defense Tactics                 | 0        | 2        | 1.00        | 0.50        | MLOG 120 VPDS                                 | 0        | 1        | 1.00        | 0.00        | BUSN101 Principles of Leadership                 | 1        | 0        | 1.00                      | 1.00          |
| CMDT100 Social Responsibility                     |          |          |             | 0.00        |   |          |          |             |             |  |          |          |                           |               |
| <b>16 11 23.00 18.50</b>                          |          |          |             |             | <b>15 9 23.50 18.00</b>                       |          |          |             |             | <b>15 6 22.00 19.00</b>                          |          |          |                           |               |
| Term 4  |          |          |             |             | Term 5  |          |          |             |             | Term 6   |          |          |                           |               |
| C   | L        | CHr      | CR          |             | C   | L        | CHr      | CR          |             | C  | L        | CHr      | CR                        |               |
| NPRJ 210 PRJ Cargo Operations 1                   |          |          | 1.00        |             | NAUT 215 LEC Integrated Navigation 2          | 3        | 2        | 5.00        | 4.00        | NPRJ 310 PRJ Cargo Operations 2                  |          |          |                           | 2.00          |
| NPRJ 215 PRJ Integrated Navigation Systems 1      |          |          | 1.00        |             | NAUT 220 LEC Liquid Cargo Operations          | 2        | 2        | 4.00        | 3.00        | NPRJ 315 PRJ Integrated Navigation Systems 2     |          |          |                           | 1.00          |
| NPRJ 220 PRJ Seamanship 1                         |          |          | 1.00        |             | NAUT 225 LEC Celestial Navigation             | 3        | 2        | 5.00        | 4.00        | NPRJ 320 PRJ Seamanship 2                        |          |          |                           | 1.50          |
| NPRJ 225 PRJ Ship Structure and Stability 1       |          |          | 1.00        |             | NAUT 240 LEC Meteorology                      | 3        | 0        | 3.00        | 3.00        | NPRJ 325 PRJ Ship Structure and Stability 2      |          |          |                           | 1.50          |
| NPRJ 230 PRJ Navigation I                         |          |          | 1.00        |             | BUSN 110 LEC The Business of Transportation   | 3        | 0        | 3.00        | 3.00        | NPRJ 330 PRJ Navigation II                       |          |          |                           | 2.00          |
| NPRJ 235 PRJ Navigation Law 1                     |          |          | 1.00        |             | BUSN201 Maritime Leadership and Management    | 2        | 0        | 2.00        | 2.00        |  |          |          |                           |               |
| EPRJ 245 PRJ Marine Engine for Deck Project       |          |          | 1.00        |             |   |          |          |             |             |  |          |          |                           |               |
| <b>0 0 0.00 7.00</b>                              |          |          |             |             | <b>16 6 22.00 19.00</b>                       |          |          |             |             | <b>0 0 0.00 8.00</b>                             |          |          |                           |               |
| Term 7  |          |          |             |             | Term 8  |          |          |             |             | Term 9   |          |          |                           |               |
| C   | L        | CHr      | CR          |             | C   | L        | CHr      | CR          |             | C  | L        | CHr      | CR                        |               |
| NPRJ 335 PRJ Navigation Law 2                     |          |          | 2.00        |             | NAUT 230 LEC Navigation Law                   | 2        | 0        | 2.00        | 2.00        | NAUT 310 LEC Integrated Navigation 3             | 3        | 2        | 5.00                      | 4.00          |
| NPRJ 340 PRJ Maritime Business                    |          |          | 1.00        |             | NAUT 420 LEC Advanced Firefighting            | 1        | 1        | 2.00        | 1.50        | NAUT 330 LEC The Maritime Regulatory Environment | 2        | 0        | 2.00                      | 2.00          |
| NPRJ 345 PRJ Maritime Communications Sea Project  |          |          | 1.00        |             | BUSN 210 Principles of Economics              | 3        | 0        | 3.00        | 3.00        | BUSN 230 LEC Principles of Management            | 3        | 0        | 3.00                      | 3.00          |
| HPRJ 300 PRJ Humanities Sea Project               |          |          | 1.00        |             | BUSN 310 LEC Accounting & Finance             | 3        | 0        | 3.00        | 3.00        | BUSN 300 LEC Fundamentals of Business Law        | 3        | 0        | 3.00                      | 3.00          |
| INSP100 PRJ Internship                            |          |          | 1.00        |             | CHEM 100 LEC General Chemistry                | 3        | 2        | 5.00        | 4.00        | LITR 201 LEC Literature                          | 3        | 0        | 3.00                      | 3.00          |
|   |          |          |             |             | NASC 200 LEC Strategic Sealift                | 2        | 0        | 2.00        | 2.00        |  |          |          |                           |               |
| <b>0 0 0.00 6.00</b>                              |          |          |             |             | <b>14 3 17.00 15.50</b>                       |          |          |             |             | <b>14 2 16.00 15.00</b>                          |          |          |                           |               |
| Term 10   |          |          |             |             | Term 11                                       |          |          |             |             | Term 12  |          |          |                           |               |
| C   | L        | CHr      | CR          |             | C   | L        | CHr      | CR          |             | C  | L        | CHr      | CR                        |               |
| NAUT 440 LAB Flashing Light and Radar Observation | 0        | 2        | 2.00        | 0.00        | BUSN 420 LEC Maritime Economics               | 3        | 0        | 3.00        | 3.00        | NAUT 400 LEC License Seminar                     | 0        | 3        | 3.00                      | 0.00          |
| NAUT 460 LEC Bridge Resource Management           | 1        | 2        | 3.00        | 2.00        | BUSN 410 LEC Marketing                        | 2        | 1        | 3.00        | 2.50        | BUSN 430 LEC Admiralty and International Law     | 2        | 0        | 2.00                      | 2.00          |
| MATH 210 LEC Probability & Statistics             | 3        | 0        | 3.00        | 3.00        | PE&A 200 LAB Medical Care Provider            | 0        | 2        | 2.00        | 1.00        | ECME480 LEC Marine Engineering for Deck Officers | 2        | 1        | 3.50                      | 2.50          |
| HIST 410 LEC Modern World History                 | 3        | 0        | 3.00        | 3.00        | <b>Humanities Elective</b>                    | <b>3</b> | <b>0</b> | <b>3.00</b> | <b>3.00</b> | NASC 410 LEC Naval Science Senior Seminar        | 2        | 0        | 2.00                      | 2.00          |
| NASC 400 LEC Naval Leadership & Ethics            | 2        | 0        | 2.00        | 2.00        | <b>Elective</b>                               | <b>3</b> | <b>0</b> | <b>3.00</b> | <b>3.00</b> | <b>Elective</b>                                  | <b>3</b> | <b>0</b> | <b>3.00</b>               | <b>3.00</b>   |
| <b>Elective</b>                                   | <b>3</b> | <b>0</b> | <b>3.00</b> | <b>3.00</b> |   |          |          |             |             | <b>Elective</b>                                  | <b>3</b> | <b>0</b> | <b>3.00</b>               | <b>3.00</b>   |
| <b>12 4 16.00 13.00</b>                           |          |          |             |             | <b>11 3 14.00 12.50</b>                       |          |          |             |             | <b>12 4 16.50 12.50</b>                          |          |          |                           |               |
|   |          |          |             |             |   |          |          |             |             |  |          |          | Total In-Resident Credits | 143.00        |
|   |          |          |             |             |   |          |          |             |             |  |          |          | Total Credits             | <b>164.00</b> |

**Office of the Registrar**  
United States Merchant Marine Academy

**Class of 2021 & 2022 A****Major: Maritime Logistics & Security**

| Term 1  | C         | L         | Chr          | CR           | Term 2                                       | C         | L        | Chr          | CR           | Term 3  | C                         | L        | Chr          | CR           |        |
|---|-----------|-----------|--------------|--------------|--|-----------|----------|--------------|--------------|---|---------------------------|----------|--------------|--------------|--------|
| NAUT 101 LEC Introduction to Nautical Science     | 2         | 2         | 4.00         | 3.00         | NAUT 120 LEC Terrestrial Navigation 1        | 2         | 2        | 4.00         | 3.00         | NAUT 125 LEC Terrestrial Navigation 2         | 3                         | 0        | 3.00         | 3.00         |        |
| ECME 101 LEC Introduction to Marine Engineering I | 3         | 3         | 4.50         | 3.50         | NAUT 130 LEC Introduction to Navigation Law  | 1         | 0        | 1.00         | 1.00         | NAUT 160 LEC Ship Constructions and Stability | 3                         | 0        | 3.00         | 3.00         |        |
| NAUT 110 LEC Basic Firefighting and Safety        | 2         | 0         | 2.00         | 2.00         | BUSN 110 LEC The Business of Transportation  | 3         | 0        | 3.00         | 3.00         | BUSN 210 Principles of Economics              | 3                         | 0        | 3.00         | 3.00         |        |
| HIST 100 LEC History of Sea Power                 | 3         | 0         | 3.00         | 3.00         | LITR 101 LEC Composition & Literature        | 3         | 0        | 3.00         | 3.00         | MATH 210 LEC Probability & Statistics         | 3                         | 0        | 3.00         | 3.00         |        |
| MATH 101 LEC Calculus I                           | 3         | 0         | 3.00         | 3.00         | MATH 120 LEC Calculus II                     | 3         | 0        | 3.00         | 3.00         | PHYS 120 LEC Physics 2                        | 3                         | 2        | 4.50         | 3.00         |        |
| PHYS 110 LEC Physics 1                            | 3         | 2         | 4.50         | 3.00         | NASC 100 LEC Introduction to Naval Science   | 2         | 0        | 2.00         | 2.00         | PE&A 130 LAB Aquatic Survival                 | 0                         | 2        | 2.00         | 1.00         |        |
| PE&A 120 LAB First Aid                            | 0         | 2         | 1.00         | 0.50         | PE&A 110 LAB Basic Swimming                  | 0         | 2        | 2.00         | 1.00         | MLOG 120 VPDS                                 | 0                         | 1        | 1.00         | 0.00         |        |
| PE&A 125 LAB Self Defense Tactics                 | 0         | 2         | 1.00         | 0.50         | BUSN101 Principles of Leadership             | 1         | 0        | 1.00         | 1.00         |   |                           |          |              |              |        |
| CMDT100 Social Responsibility                     |           |           |              | 0.00         |  |           |          |              |              |   |                           |          |              |              |        |
|   | <b>16</b> | <b>11</b> | <b>23.00</b> | <b>18.50</b> |  | <b>15</b> | <b>4</b> | <b>19.00</b> | <b>17.00</b> |   | <b>15</b>                 | <b>5</b> | <b>19.50</b> | <b>16.00</b> |        |
| Term 4  | C         | L         | Chr          | CR           | Term 5                                       | C         | L        | Chr          | CR           | Term 6  | C                         | L        | Chr          | CR           |        |
| NAUT 140 LEC Maritime Communications              | 3         | 2         | 5.00         | 4.00         | NPRJ 210 PRJ Cargo Operations 1              |           |          |              | 1.00         | NAUT 215 LEC Integrated Navigation 2          | 3                         | 2        | 5.00         | 4.00         |        |
| NAUT 210 LEC Integrated Navigation 1              | 3         | 2         | 5.00         | 4.00         | NPRJ 215 PRJ Integrated Navigation Systems 1 |           |          |              | 1.00         | NAUT 230 LEC Navigation Law                   | 2                         | 0        | 2.00         | 2.00         |        |
| NAUT 250 LEC Dry Cargo Operations                 | 3         | 0         | 3.00         | 3.00         | NPRJ 220 PRJ Seamanship 1                    |           |          |              | 1.00         | CHEM 100 LEC General Chemistry                | 3                         | 2        | 5.00         | 4.00         |        |
| BUSN 310 LEC Accounting & Finance                 | 3         | 0         | 3.00         | 3.00         | NPRJ 225 PRJ Ship Structure and Stability 1  |           |          |              | 1.00         | LITR 201 LEC Literature                       | 3                         | 0        | 3.00         | 3.00         |        |
| MLOG 200 LEC Integrated Logistics Management      | 3         | 0         | 3.00         | 3.00         | NPRJ 230 PRJ Navigation I                    |           |          |              | 1.00         | NASC 200 LEC Strategic Sealift                | 2                         | 0        | 2.00         | 2.00         |        |
| WTRF 100 LEC Safety of Life at Sea                | 1         | 2         | 3.00         | 2.00         | NPRJ 235 PRJ Navigation Law 1                |           |          |              | 1.00         | BUSN201 Maritime Leadership and Managemer     | 2                         | 0        | 2.00         | 2.00         |        |
|   |           |           |              |              | EPRJ 245 PRJ Marine Engine for Deck Project  |           |          |              | 1.00         |   |                           |          |              |              |        |
|   | <b>16</b> | <b>6</b>  | <b>22.00</b> | <b>19.00</b> |  | <b>0</b>  | <b>0</b> | <b>0.00</b>  | <b>7.00</b>  |   | <b>15</b>                 | <b>4</b> | <b>19.00</b> | <b>17.00</b> |        |
| Term 7  | C         | L         | Chr          | CR           | Term 8                                       | C         | L        | Chr          | CR           | Term 9  | C                         | L        | Chr          | CR           |        |
| NAUT 220 LEC Liquid Cargo Operations              | 2         | 2         | 4.00         | 3.00         | NPRJ 310 PRJ Cargo Operations 2              |           |          |              | 2.00         | NPRJ 335 PRJ Navigation Law 2                 |                           |          |              | 2.00         |        |
| NAUT 225 LEC Celestial Navigation                 | 3         | 2         | 5.00         | 4.00         | NPRJ 315 PRJ Integrated Navigation Systems 2 |           |          |              | 1.00         | NPRJ 340 PRJ Maritime Business                |                           |          |              | 1.00         |        |
| NAUT 240 LEC Meteorology                          | 3         | 0         | 3.00         | 3.00         | NPRJ 320 PRJ Seamanship 2                    |           |          |              | 1.50         | NPRJ 345 PRJ Maritime Communications          |                           |          |              | 1.00         |        |
| BUSN 230 LEC Principles of Management             | 3         | 0         | 3.00         | 3.00         | NPRJ 325 PRJ Ship Structure and Stability 2  |           |          |              | 1.50         | HPRJ 300 PRJ Humanities Sea Project           |                           |          |              | 1.00         |        |
| MLOG310 LEC Vessel Security Officer/Company Se    | 3         | 0         | 3.00         | 3.00         | NPRJ 330 PRJ Navigation II                   |           |          |              | 2.00         | INSP100 PRJ Internship                        |                           |          |              | 1.00         |        |
| PE&A 200 LAB Medical Care Provider                | 0         | 2         | 2.00         | 1.00         |  |           |          |              |              |   |                           |          |              |              |        |
|   | <b>14</b> | <b>6</b>  | <b>20.00</b> | <b>17.00</b> |  | <b>0</b>  | <b>0</b> | <b>0.00</b>  | <b>8.00</b>  |   | <b>0</b>                  | <b>0</b> | <b>0.00</b>  | <b>6.00</b>  |        |
| Term 10   | C         | L         | Chr          | CR           | Term 11                                      | C         | L        | Chr          | CR           | Term 12                                       | C                         | L        | Chr          | CR           |        |
| NAUT 310 LEC Integrated Navigation 3              | 3         | 2         | 5.00         | 4.00         | NAUT 440 LAB Flashing Light and Radar Obse   | 0         | 2        | 2.00         | 0.00         | NAUT 400 LEC License Seminar                  | 0                         | 3        | 3.00         | 0.00         |        |
| NAUT 420 LEC Advanced Firefighting                | 1         | 1         | 2.00         | 1.50         | NAUT 460 LEC Bridge Resource Management      | 1         | 2        | 3.00         | 2.00         | ECME480 LEC Marine Engineering for Deck Off   | 2                         | 1        | 3.50         | 2.50         |        |
| NAUT 330 LEC The Maritime Regulatory Environme    | 2         | 0         | 2.00         | 2.00         | BUSN 420 LEC Maritime Economics              | 3         | 0        | 3.00         | 3.00         | BUSN 410 LEC Marketing                        | 2                         | 1        | 3.00         | 2.50         |        |
| BUSN 300 LEC Fundamentals of Business Law         | 3         | 0         | 3.00         | 3.00         | BUSN 430 LEC Admiralty and International Law | 2         | 0        | 2.00         | 2.00         | MLOG 450 LEC Capstone Project Seminar         | 3                         | 0        | 3.00         | 3.00         |        |
| MLOG 400 LEC Port and Terminal Operations         | 3         | 0         | 3.00         | 3.00         | MLOG 425 LEC Maritime Security Research Se   | 3         | 0        | 3.00         | 3.00         | NASC 410 LEC Naval Science Senior Seminar     | 2                         | 0        | 2.00         | 2.00         |        |
| NASC 400 LEC Naval Leadership & Ethics            | 2         | 0         | 2.00         | 2.00         | MLOG 430 Chartering and Brokerage            | 3         | 0        | 3.00         | 3.00         | Humanities Elective                           | 3                         | 0        | 3.00         | 3.00         |        |
|   |           |           |              |              | HIST 410 LEC Modern World History            | 3         | 0        | 3.00         | 3.00         |   |                           |          |              |              |        |
|   | <b>14</b> | <b>3</b>  | <b>17.00</b> | <b>15.50</b> |  | <b>15</b> | <b>4</b> | <b>19.00</b> | <b>16.00</b> |   | <b>12</b>                 | <b>5</b> | <b>17.50</b> | <b>13.00</b> |        |
|   |           |           |              |              |  |           |          |              |              |   | Total In-Resident Credits |          |              |              | 149.00 |
|   |           |           |              |              |  |           |          |              |              |   | Total Credits             |          |              |              | 170.00 |

**Office of the Registrar**  
United States Merchant Marine Academy

**Class of 2021 & 2022 B**

**Major: Maritime Logistics & Security**

| Term 1  | C         | L            | CHr          | CR   | Term 2  | C        | L            | CHr          | CR   | Term 3   | C        | L            | CHr                       | CR   |               |
|---|-----------|--------------|--------------|------|---|----------|--------------|--------------|------|--|----------|--------------|---------------------------|------|---------------|
| NAUT 101 LEC Introduction to Nautical Science     | 2         | 2            | 4.00         | 3.00 | NAUT 120 LEC Terrestrial Navigation 1           | 2        | 2            | 4.00         | 3.00 | NAUT 125 LEC Terrestrial Navigation 2            | 3        | 0            | 3.00                      | 3.00 |               |
| ECME 101 LEC Introduction to Marine Engineering   | 3         | 3            | 4.50         | 3.50 | NAUT 130 LEC Introduction to Navigation Law     | 1        | 0            | 1.00         | 1.00 | NAUT 210 LEC Integrated Navigation 1             | 3        | 2            | 5.00                      | 4.00 |               |
| NAUT 110 LEC Basic Firefighting and Safety        | 2         | 0            | 2.00         | 2.00 | NAUT 140 LEC Maritime Communications            | 3        | 2            | 5.00         | 4.00 | NAUT 250 LEC Dry Cargo Operations                | 3        | 0            | 3.00                      | 3.00 |               |
| HIST 100 LEC History of Sea Power                 | 3         | 0            | 3.00         | 3.00 | NAUT 160 LEC Ship Constructions and Stability   | 3        | 0            | 3.00         | 3.00 | MATH 120 LEC Calculus II                         | 2        | 0            | 3.00                      | 3.00 |               |
| MATH 101 LEC Calculus I                           | 3         | 0            | 3.00         | 3.00 | PHYS 120 LEC Physics 2                          | 3        | 2            | 4.50         | 3.00 | WTRF 100 LEC Safety of Life at Sea               | 1        | 2            | 3.00                      | 2.00 |               |
| PHYS 110 LEC Physics 1                            | 3         | 2            | 4.50         | 3.00 | LITR 101 LEC Composition & Literature           | 3        | 0            | 3.00         | 3.00 | NASC 100 LEC Introduction to Naval Science       | 2        | 0            | 2.00                      | 2.00 |               |
| PE&A 120 LAB First Aid                            | 0         | 2            | 1.00         | 0.50 | PE&A 110 LAB Basic Swimming                     | 0        | 2            | 2.00         | 1.00 | PE&A 130 LAB Aquatic Survival                    | 0        | 2            | 2.00                      | 1.00 |               |
| PE&A 125 LAB Self Defense Tactics                 | 0         | 2            | 1.00         | 0.50 | MLOG 120 VPDSO                                  | 0        | 1            | 1.00         | 0.00 | BUSN101 Principles of Leadership                 | 1        | 0            | 1.00                      | 1.00 |               |
| CMDT100 Social Responsibility                     |           |              |              | 0.00 |   |          |              |              |      |  |          |              |                           |      |               |
| <b>16</b>   | <b>11</b> | <b>23.00</b> | <b>18.50</b> |      | <b>15</b>                                       | <b>9</b> | <b>23.50</b> | <b>18.00</b> |      | <b>15</b>  | <b>6</b> | <b>22.00</b> | <b>19.00</b>              |      |               |
| Term 4  | C         | L            | CHr          | CR   | Term 5  | C        | L            | CHr          | CR   | Term 6   | C        | L            | CHr                       | CR   |               |
| NPRJ 210 PRJ Cargo Operations 1                   |           |              |              | 1.00 | NAUT 215 LEC Integrated Navigation 2            | 3        | 2            | 5.00         | 4.00 | NPRJ 310 PRJ Cargo Operations 2                  |          |              |                           | 2.00 |               |
| NPRJ 215 PRJ Integrated Navigation Systems 1      |           |              |              | 1.00 | NAUT 220 LEC Liquid Cargo Operations            | 2        | 2            | 4.00         | 3.00 | NPRJ 315 PRJ Integrated Navigation Systems 2     |          |              |                           | 1.00 |               |
| NPRJ 220 PRJ Seamanship 1                         |           |              |              | 1.00 | NAUT 225 LEC Celestial Navigation               | 3        | 2            | 5.00         | 4.00 | NPRJ 320 PRJ Seamanship 2                        |          |              |                           | 1.50 |               |
| NPRJ 225 PRJ Ship Structure and Stability 1       |           |              |              | 1.00 | NAUT 240 LEC Meteorology                        | 3        | 0            | 3.00         | 3.00 | NPRJ 325 PRJ Ship Structure and Stability 2      |          |              |                           | 1.50 |               |
| NPRJ 230 PRJ Navigation I                         |           |              |              | 1.00 | BUSN 110 LEC The Business of Transportation     | 3        | 0            | 3.00         | 3.00 | NPRJ 330 PRJ Navigation II                       |          |              |                           | 2.00 |               |
| NPRJ 235 PRJ Navigation Law 1                     |           |              |              | 1.00 | BUSN201 Maritime Leadership and Management      | 2        | 0            | 2.00         | 2.00 |  |          |              |                           |      |               |
| EPRJ 245 PRJ Marine Engine for Deck Project       |           |              |              | 1.00 |   |          |              |              |      |  |          |              |                           |      |               |
| <b>0</b>  | <b>0</b>  | <b>0.00</b>  | <b>7.00</b>  |      | <b>16</b>                                       | <b>6</b> | <b>22.00</b> | <b>19.00</b> |      | <b>0</b>   | <b>0</b> | <b>0.00</b>  | <b>8.00</b>               |      |               |
| Term 7  | C         | L            | CHr          | CR   | Term 8  | C        | L            | CHr          | CR   | Term 9   | C        | L            | CHr                       | CR   |               |
| NPRJ 335 PRJ Navigation Law 2                     |           |              |              | 2.00 | NAUT 230 LEC Navigation Law                     | 2        | 0            | 2.00         | 2.00 | NAUT 330 LEC The Maritime Regulatory Environment | 2        | 0            | 2.00                      | 2.00 |               |
| NPRJ 340 PRJ Maritime Business                    |           |              |              | 1.00 | NAUT 310 LEC Integrated Navigation 3            | 3        | 2            | 5.00         | 4.00 | NAUT 460 LEC Bridge Resource Management          | 1        | 2            | 3.00                      | 2.00 |               |
| NPRJ 345 PRJ Maritime Communications Sea Project  |           |              |              | 1.00 | BUSN 210 Principles of Economics                | 3        | 0            | 3.00         | 3.00 | LITR 201 LEC Literature                          | 3        | 0            | 3.00                      | 3.00 |               |
| HPRJ 300 PRJ Humanities Sea Project               |           |              |              | 1.00 | MLOG310 LEC Vessel Security Officer/Competency  | 3        | 0            | 3.00         | 3.00 | BUSN 230 LEC Principles of Management            | 3        | 0            | 3.00                      | 3.00 |               |
| INSP100 PRJ Internship                            |           |              |              | 1.00 | CHEM 100 LEC General Chemistry                  | 3        | 2            | 5.00         | 4.00 | MLOG 200 LEC Integrated Logistics Management     | 3        | 0            | 3.00                      | 3.00 |               |
|   |           |              |              |      |   |          |              |              |      | NASC 200 LEC Strategic Sealift                   | 2        | 0            | 2.00                      | 2.00 |               |
| <b>0</b>  | <b>0</b>  | <b>0.00</b>  | <b>6.00</b>  |      | <b>14</b>                                       | <b>4</b> | <b>18.00</b> | <b>16.00</b> |      | <b>14</b>  | <b>2</b> | <b>16.00</b> | <b>15.00</b>              |      |               |
| Term 10   | C         | L            | CHr          | CR   | Term 11   | C        | L            | CHr          | CR   | Term 12  | C        | L            | CHr                       | CR   |               |
| NAUT 420 LEC Advanced Firefighting                | 1         | 1            | 2.00         | 1.50 | BUSN 310 LEC Accounting & Finance               | 3        | 0            | 3.00         | 3.00 | NAUT 400 LEC License Seminar                     | 0        | 3            | 3.00                      | 0.00 |               |
| NAUT 440 LAB Flashing Light and Radar Observation | 0         | 2            | 2.00         | 0.00 | BUSN 420 LEC Maritime Economics                 | 3        | 0            | 3.00         | 3.00 | ECME480 LEC Marine Engineering for Deck Officers | 2        | 1            | 3.50                      | 2.50 |               |
| BUSN 300 LEC Fundamentals of Business Law         | 3         | 0            | 3.00         | 3.00 | MLOG 425 LEC Maritime Security Research Seminar | 3        | 0            | 3.00         | 3.00 | BUSN 430 LEC Admiralty and International Law     | 2        | 0            | 2.00                      | 2.00 |               |
| BUSN 410 LEC Marketing                            | 2         | 1            | 3.00         | 2.50 | MLOG 430 Chartering and Brokerage               | 3        | 0            | 3.00         | 3.00 | MLOG 450 LEC Capstone Project Seminar            | 3        | 0            | 3.00                      | 3.00 |               |
| MATH 210 LEC Probability & Statistics             | 3         | 0            | 3.00         | 3.00 | HIST 410 LEC Modern World History               | 3        | 0            | 3.00         | 3.00 | NASC 410 LEC Naval Science Senior Seminar        | 2        | 0            | 2.00                      | 2.00 |               |
| MLOG 400 LEC Port and Terminal Operations         | 3         | 0            | 3.00         | 3.00 |   |          |              |              |      | Humanities Elective                              | 3        | 0            | 3.00                      | 3.00 |               |
| NASC 400 LEC Naval Leadership & Ethics            | 2         | 0            | 2.00         | 2.00 |   |          |              |              |      |  |          |              |                           |      |               |
| PE&A 200 LAB Medical Care Provider                | 0         | 2            | 2.00         | 1.00 |   |          |              |              |      |  |          |              |                           |      |               |
| <b>14</b>   | <b>6</b>  | <b>20.00</b> | <b>16.00</b> |      | <b>15</b>                                       | <b>0</b> | <b>15.00</b> | <b>15.00</b> |      | <b>12</b>  | <b>4</b> | <b>16.50</b> | <b>12.50</b>              |      |               |
|   |           |              |              |      |   |          |              |              |      |  |          |              | Total In-Resident Credits |      | 149.00        |
|   |           |              |              |      |   |          |              |              |      |  |          |              | Total Credits             |      | <b>170.00</b> |

**Office of the Registrar**  
United States Merchant Marine Academy

**Class of 2021 & 2022 A****Major: Marine Engineering Shipyard Management**

| <b>Term 1</b>                                   |           |            |              |              | <b>Term 2</b>  |           |            |              |              | <b>Term 3</b>                                       |           |            |                           |              |
|---|-----------|------------|--------------|--------------|--|-----------|------------|--------------|--------------|---|-----------|------------|---------------------------|--------------|
| <b>C</b>  | <b>L</b>  | <b>CHr</b> | <b>CR</b>    |              | <b>C</b>   | <b>L</b>  | <b>CHr</b> | <b>CR</b>    |              | <b>C</b>  | <b>L</b>  | <b>CHr</b> | <b>CR</b>                 |              |
| ECME 101 LEC Introduction to Marine Engineering | 3         | 3          | 4.50         | 3.50         | ECEE 100 LEC Introduction to Electrical Engineering  | 3         | 2          | 4.00         | 3.50         | ECME 105 LEC Introduction to Marine Engineering     | 3         | 3          | 4.50                      | 3.50         |
| NAUT 101 LEC Introduction to Nautical Science   | 2         | 2          | 4.00         | 3.00         | ECMT 111 LAB Engineering Shop I                      | 0         | 3          | 3.00         | 1.00         | ECMT 112 LAB Engineering Shop II                    | 0         | 3          | 3.00                      | 1.00         |
| MATH 101 LEC Calculus I                         | 3         | 0          | 3.00         | 3.00         | ECMT100 LAB Engineering Graphics                     | 0         | 2          | 2.00         | 1.00         | ECES 100 LEC Statics                                | 3         | 0          | 3.00                      | 3.00         |
| CHEM 100 LEC General Chemistry                  | 3         | 2          | 5.00         | 4.00         | NAUT 110 LEC Basic Firefighting and Safety           | 2         | 0          | 2.00         | 2.00         | PHYS 120 LEC Physics 2                              | 3         | 2          | 4.50                      | 3.00         |
| LITR 101 LEC Composition & Literature           | 3         | 0          | 3.00         | 3.00         | MATH 120 LEC Calculus II                             | 3         | 0          | 3.00         | 3.00         | HIST 100 LEC History of Sea Power                   | 3         | 0          | 3.00                      | 3.00         |
| PE&A 110 LAB Basic Swimming                     | 0         | 2          | 2.00         | 1.00         | PHYS 110 LEC Physics 1                               | 3         | 2          | 4.50         | 3.00         | LITR 220 LEC Technical & Professional Communication | 2         | 0          | 2.00                      | 2.00         |
| CMDT100 Social Responsibility                   |           |            |              | 0.00         | PE&A 120 LAB First Aid                               | 0         | 2          | 1.00         | 0.50         | PE&A 130 LAB Aquatic Survival                       | 0         | 2          | 2.00                      | 1.00         |
|   |           |            |              |              | PE&A 125 LAB Self Defense Tactics                    | 0         | 2          | 1.00         | 0.50         | MLOG 120 VPDS                                       | 0         | 1          | 1.00                      | 0.00         |
|   |           |            |              |              | NASC 100 LEC Introduction to Naval Science           | 2         | 0          | 2.00         | 2.00         | BUSN101 Principles of Leadership                    | 1         | 0          | 1.00                      | 1.00         |
|   | <b>14</b> | <b>9</b>   | <b>21.50</b> | <b>17.50</b> |  | <b>13</b> | <b>13</b>  | <b>22.50</b> | <b>16.50</b> |   | <b>15</b> | <b>11</b>  | <b>24.00</b>              | <b>17.50</b> |
| <b>Term 4</b>                                   |           |            |              |              | <b>Term 5</b>  |           |            |              |              | <b>Term 6</b>                                       |           |            |                           |              |
| <b>C</b>  | <b>L</b>  | <b>CHr</b> | <b>CR</b>    |              | <b>C</b>   | <b>L</b>  | <b>CHr</b> | <b>CR</b>    |              | <b>C</b>  | <b>L</b>  | <b>CHr</b> | <b>CR</b>                 |              |
| ECDL 400 LEC Basic Tanker Operations-Dangerous  | 2         | 0          | 2.00         | 2.00         | EPRJ 210 PRJ Machine Shop Sea Project                |           |            | 1.00         |              | ECEE 200 LEC Electric Circuits                      | 2         | 2          | 3.00                      | 2.50         |
| ECES 201 LEC Thermodynamics                     | 3         |            | 3.00         | 3.00         | EPRJ 230 PRJ Main Propulsion 1 Sea Project           |           |            | 2.00         |              | ECES 220 LEC Introduction to Materials Engineering  | 2         | 0          | 2.00                      | 2.00         |
| ECES 210 LEC Dynamics                           | 2         | 0          | 2.00         | 2.00         | EPRJ 240 PRJ Shipboard Systems 1 Sea Project         |           |            | 2.00         |              | ECES 221 LAB Introduction to Materials Engineering  | 0         | 2          | 1.00                      | 0.50         |
| WTRF 100 LEC Safety of Life at Sea              | 1         | 2          | 3.00         | 2.00         | NPRJ 245 PRJ Deck Operations                         |           |            | 1.00         |              | ECES 230 LEC Fluid Mechanics                        | 3         | 2          | 4.00                      | 3.50         |
| MATH 210 LEC Probability & Statistics           | 3         | 0          | 3.00         | 3.00         |  |           |            |              |              | MATH 300 LEC Calculus III                           | 3         | 0          | 3.00                      | 3.00         |
| MATH 220 LEC Differential Equations 1           | 3         | 0          | 3.00         | 3.00         |  |           |            |              |              | MATH310 LEC Operations Research 1                   | 3         | 0          | 3.00                      | 3.00         |
| NASC 200 LEC Strategic Sealift                  | 2         | 0          | 2.00         | 2.00         |  |           |            |              |              | CHEM 200 LEC Chemistry for Marine Engineers         | 3         | 2          | 3.50                      | 3.00         |
|   | <b>16</b> | <b>2</b>   | <b>18.00</b> | <b>17.00</b> |  | <b>0</b>  | <b>0</b>   | <b>0.00</b>  | <b>6.00</b>  |   | <b>16</b> | <b>10</b>  | <b>21.50</b>              | <b>18.50</b> |
| <b>Term 7</b>                                   |           |            |              |              | <b>Term 8</b>  |           |            |              |              | <b>Term 9</b>                                       |           |            |                           |              |
| <b>C</b>  | <b>L</b>  | <b>CHr</b> | <b>CR</b>    |              | <b>C</b>   | <b>L</b>  | <b>CHr</b> | <b>CR</b>    |              | <b>C</b>  | <b>L</b>  | <b>CHr</b> | <b>CR</b>                 |              |
| ECEE 300 LEC Electric Machines                  | 3         | 2          | 4.00         | 3.50         | EPRJ 310 PRJ Maintenance Management                  |           |            | 1.00         |              | EPRJ350 PRJ Marine Propulsion 3 Sea Project         |           |            | 2.50                      |              |
| EREM 300 LEC Engineering Economics              | 3         | 0          | 3.00         | 3.00         | EPRJ 320 PRJ Naval Arch Sea Project                  |           |            | 1.00         |              | EPRJ 400 PRJ MESM Shipyard Internship               |           |            | 2.00                      |              |
| ECES 300 LEC Strength of Materials              | 3         | 2          | 4.00         | 3.50         | EPRJ 330 PRJ Marine Propulsion 2 Sea Project         |           |            | 2.50         |              | NPRJ 340 PRJ Maritime Business                      |           |            | 1.00                      |              |
| ECES 310 LEC Heat Transfer                      | 3         | 0          | 3.00         | 3.00         | EPRJ 335 PRJ Refrigeration Sea Project               |           |            | 1.00         |              | HPRJ 300 PRJ Humanities Sea Project                 |           |            | 1.00                      |              |
| MATH 330 LEC Operations Research 2              | 3         | 3          | 3.00         | 3.00         | EPRJ 340 PRJ Shipboard Systems II Sea Project        |           |            | 2.00         |              | INSP100 PRJ Internship                              |           |            | 1.00                      |              |
| BUSN201 Maritime Leadership and Management      | 2         | 0          | 2.00         | 2.00         | EPRJ 345 PRJ Electrical Engineering Sea Project      |           |            | 1.00         |              |   |           |            |                           |              |
|   | <b>17</b> | <b>7</b>   | <b>19.00</b> | <b>18.00</b> |  | <b>0</b>  | <b>0</b>   | <b>0.00</b>  | <b>8.50</b>  |   | <b>0</b>  | <b>0</b>   | <b>0.00</b>               | <b>7.50</b>  |
| <b>Term 10</b>                                  |           |            |              |              | <b>Term 11</b>                                       |           |            |              |              | <b>Term 12</b>                                      |           |            |                           |              |
| <b>C</b>  | <b>L</b>  | <b>CHr</b> | <b>CR</b>    |              | <b>C</b>   | <b>L</b>  | <b>CHr</b> | <b>CR</b>    |              | <b>C</b>  | <b>L</b>  | <b>CHr</b> | <b>CR</b>                 |              |
| ECME 400 LEC Marine Steam Plants and Components | 3         | 3          | 4.50         | 3.50         | ECME 400 LEC Marine Engineering Management           | 1         | 2          | 3.00         | 2.00         | ECME 460 LAB Marine Engineering License Preparation | 1         | 2          | 3.00                      | 0.50         |
| ECME 410 LAB Marine Steam Plant Simulation      | 0         | 3          | 1.50         | 0.50         | ECES 401 LEC Machine Elements                        | 2         | 0          | 2.00         | 2.00         | EMEM 425 Engineering Project Management 3           | 1         | 2          | 2.00                      | 2.00         |
| ECME 420 LEC Internal Combustion Engines        | 3         | 3          | 4.50         | 3.50         | ECME 440 LAB Engine Room Resource Management         | 0         | 4          | 4.00         | 1.00         | NAUT 420 LEC Advanced Firefighting                  | 1         | 1          | 2.00                      | 1.50         |
| ECME 431 LEC Marine Refrigeration               | 2         | 3          | 3.50         | 2.50         | ECME 450 LEC Gas Turbines and marine Auxiliary       | 3         | 3          | 4.50         | 3.50         | NASC 410 LEC Naval Science Senior Seminar           | 2         | 0          | 2.00                      | 2.00         |
| ECEE 400 LEC Electronics                        | 2         | 1          | 3.00         | 2.50         | ECME 470 LEC Marine Plant Automation and Control     | 2         | 3          | 3.50         | 2.50         | HIST 410 LEC Modern World History                   | 3         | 0          | 3.00                      | 3.00         |
| EMEM 405 LEC Engineering Project Management 1   | 3         | 1          | 3.50         | 3.50         | ECNA 401 LEC Naval Architecture for Marine Engineers | 3         | 0          | 2.50         | 2.50         | LITR 201 LEC Literature                             | 3         | 0          | 3.00                      | 3.00         |
| BUSN 210 Principles of Economics                | 3         | 0          | 3.00         | 3.00         | EMEM 415 LEC Engineering Project Management 2        | 3         | 1          | 3.50         | 3.50         |   |           |            |                           |              |
|   | <b>16</b> | <b>14</b>  | <b>23.50</b> | <b>19.00</b> | NASC 400 LEC Naval Leadership & Ethics               | 2         | 0          | 2.00         | 2.00         |   |           |            |                           |              |
|   |           |            |              |              |  | <b>16</b> | <b>13</b>  | <b>25.00</b> | <b>19.00</b> |   | <b>11</b> | <b>5</b>   | <b>15.00</b>              | <b>12.00</b> |
|   |           |            |              |              |  |           |            |              |              |   |           |            | Total In-Resident Credits | 155.00       |
|   |           |            |              |              |  |           |            |              |              |   |           |            | Total Credits             | 177.00       |

## Office of the Registrar

5/13/2019 10:58 AM

## Class of 2021 &amp; 2022 B

United States Merchant Marine Academy

## Major: Marine Engineering Shipyard Management

| Term 1  | C         | L         | CHr          | CR           | Term 2   | C         | L         | CHr          | CR           | Term 3  | C         | L         | CHr          | CR           |
|---|-----------|-----------|--------------|--------------|--|-----------|-----------|--------------|--------------|---|-----------|-----------|--------------|--------------|
| ECME 101 LEC Introduction to Marine Engineering I | 3         | 3         | 4.50         | 3.50         | ECME 105 LEC Introduction to Marine Engineering II | 3         | 3         | 4.50         | 3.50         | ECEE 100 LEC Introduction to Electrical Engine  | 3         | 2         | 4.00         | 3.50         |
| NAUT 101 LEC Introduction to Nautical Science     | 2         | 2         | 4.00         | 3.00         | ECMT 111 LAB Engineering Shop I                    | 0         | 3         | 3.00         | 1.00         | ECMT 100 LAB Engineering Graphics               | 0         | 2         | 2.00         | 1.00         |
| MATH 101 LEC Calculus I                           | 3         | 0         | 3.00         | 3.00         | MATH 120 LEC Calculus II                           | 3         | 0         | 3.00         | 3.00         | ECMT 112 LAB Engineering Shop II                | 0         | 3         | 3.00         | 1.00         |
| CHEM 100 LEC General Chemistry                    | 3         | 2         | 5.00         | 4.00         | PHYS 110 LEC Physics 1                             | 3         | 2         | 4.50         | 3.00         | ECES 100 LEC Statics                            | 3         | 0         | 3.00         | 3.00         |
| LITR 101 LEC Composition & Literature             | 3         | 0         | 3.00         | 3.00         | HIST 100 LEC History of Sea Power                  | 3         | 0         | 3.00         | 3.00         | WTRF 100 LEC Safety of Life at Sea              | 1         | 2         | 3.00         | 2.00         |
| PE&A 110 LAB Basic Swimming                       | 0         | 2         | 2.00         | 1.00         | NASC 100 LEC Introduction to Naval Science         | 2         | 0         | 2.00         | 2.00         | NAUT 110 LEC Basic Firefighting and Safety      | 2         | 0         | 2.00         | 2.00         |
| CMDT100 Social Responsibility                     |           |           |              | 0.00         | PE&A 130 LAB Aquatic Survival                      | 0         | 2         | 2.00         | 1.00         | PHYS 120 LEC Physics 2                          | 3         | 2         | 4.50         | 3.00         |
|   |           |           |              |              | MLOG 120 VPDS                                      | 0         | 1         | 1.00         | 0.00         | PE&A 120 LAB First Aid                          | 0         | 2         | 1.00         | 0.50         |
|   |           |           |              |              | BUSN101 Principles of Leadership                   | 1         | 0         | 1.00         | 1.00         | PE&A 125 LAB Self Defense Tactics               | 0         | 2         | 1.00         | 0.50         |
|   | <b>14</b> | <b>9</b>  | <b>21.50</b> | <b>17.50</b> |  | <b>15</b> | <b>11</b> | <b>24.00</b> | <b>17.50</b> |   | <b>12</b> | <b>15</b> | <b>23.50</b> | <b>16.50</b> |
| Term 4  | C         | L         | CHr          | CR           | Term 5   | C         | L         | CHr          | CR           | Term 6  | C         | L         | CHr          | CR           |
| EPRJ 210 PRJ Machine Shop Sea Project             |           |           |              | 1.00         | ECES 210 LEC Dynamics                              | 2         | 0         | 2.00         | 2.00         | EPRJ 310 PRJ Maintenance Management             |           |           |              | 1.00         |
| EPRJ 230 PRJ Main Propulsion 1 Sea Project        |           |           |              | 2.00         | ECES 201 LEC Thermodynamics                        | 3         | 0         | 3.00         | 3.00         | EPRJ 320 PRJ Naval Arch Sea Project             |           |           |              | 1.00         |
| EPRJ 240 PRJ Shipboard Systems 1 Sea Project      |           |           |              | 2.00         | ECDL 400 LEC Basic Tanker Operations-Dangerous     | 2         | 0         | 2.00         | 2.00         | EPRJ 330 PRJ Marine Propulsion 2 Sea Project    |           |           |              | 2.50         |
| NPRJ 245 PRJ Deck Operations                      |           |           |              | 1.00         | MATH 220 LEC Differential Equations 1              | 3         | 0         | 3.00         | 3.00         | EPRJ 335 PRJ Refrigeration Sea Project          |           |           |              | 1.00         |
|   |           |           |              |              | CHEM 200 LEC Chemistry for Marine Engineers        | 3         | 2         | 3.50         | 3.00         | EPRJ 340 PRJ Shipboard Systems II Sea Project   |           |           |              | 2.00         |
|   |           |           |              |              | NASC 200 LEC Strategic Sealift                     | 2         | 0         | 2.00         | 2.00         | EPRJ 345 PRJ Electrical Engineering Sea Project |           |           |              | 1.00         |
|   |           |           |              |              | BUSN201 Maritime Leadership and Management         | 2         | 0         | 2.00         | 2.00         |   |           |           |              |              |
|   | <b>0</b>  | <b>0</b>  | <b>0.00</b>  | <b>6.00</b>  |  | <b>17</b> | <b>2</b>  | <b>17.50</b> | <b>17.00</b> |   | <b>0</b>  | <b>0</b>  | <b>0</b>     | <b>8.50</b>  |
| Term 7  | C         | L         | CHr          | CR           | Term 8   | C         | L         | CHr          | CR           | Term 9  | C         | L         | CHr          | CR           |
| EPRJ350 PRJ Marine Propulsion 3 Sea Project       |           |           |              | 2.50         | ECEE 200 LEC Electric Circuits                     | 2         | 2         | 3.00         | 2.50         | ECEE 300 LEC Electric Machines                  | 3         | 2         | 4.00         | 3.50         |
| EPRJ 400 PRJ MESM Shipyard Internship             |           |           |              | 2.00         | ECES 220 LEC Introduction to Materials Engineering | 2         | 0         | 2.00         | 2.00         | ECES 300 LEC Strength of Materials              | 3         | 2         | 4.00         | 3.50         |
| NPRJ 340 PRJ Maritime Business                    |           |           |              | 1.00         | ECES 221 LAB Introduction to Materials Engineering | 0         | 2         | 1.00         | 0.50         | ECES 310 LEC Heat Transfer                      | 3         | 0         | 3.00         | 3.00         |
| HPRJ 300 PRJ Humanities Sea Project               |           |           |              | 1.00         | ECES 230 LEC Fluid Mechanics                       | 3         | 2         | 4.00         | 3.50         | EREM 300 LEC Engineering Economics              | 3         | 0         | 3.00         | 3.00         |
| INSP100 PRJ Internship                            |           |           |              | 1.00         | BUSN 210 Principles of Economics                   | 3         | 0         | 3.00         | 3.00         | MATH310 LEC Operations Research 1               | 3         | 0         | 3.00         | 3.00         |
|   |           |           |              |              | MATH 210 LEC Probability & Statistics              | 3         | 0         | 3.00         | 3.00         | LITR 220 LEC Technical & Professional Commu     | 2         | 0         | 2.00         | 2.00         |
|   |           |           |              |              | MATH 300 LEC Calculus III                          | 3         | 0         | 3.00         | 3.00         |   |           |           |              |              |
|   |           |           |              |              | PE&A 200 LAB Medical Care Provider                 | 2         | 2         | 2.00         | 1.00         |   |           |           |              |              |
|   | <b>0</b>  | <b>0</b>  | <b>0.00</b>  | <b>7.50</b>  |  | <b>16</b> | <b>8</b>  | <b>21.00</b> | <b>18.50</b> |   | <b>17</b> | <b>4</b>  | <b>19.00</b> | <b>18.00</b> |
| Term 10   | C         | L         | CHr          | CR           | Term 11  | C         | L         | CHr          | CR           | Term 12   | C         | L         | CHr          | CR           |
| ECME 400 LEC Marine Engineering Management        | 1         | 2         | 3.00         | 2.00         | ECME 420 LEC Internal Combustion Engines           | 3         | 3         | 4.50         | 3.50         | ECME 460 LAB Marine Engineering License Se      | 1         | 2         | 3.00         | 0.50         |
| ECEE 400 LEC Electronics                          | 2         | 1         | 3.00         | 2.50         | ECME 431 LEC Marine Refrigeration                  | 2         | 3         | 3.50         | 2.50         | ECES 401 LEC Machine Elements                   | 2         | 0         | 2.00         | 2.00         |
| ECME 400 LEC Marine Steam Plants and Componen     | 3         | 3         | 4.50         | 3.50         | ECME 440 LAB Engine Room Resource Managemen        | 0         | 4         | 4.00         | 1.00         | EMEM 425 Engineering Project Managment 3        | 1         | 2         | 2.00         | 2.00         |
| ECME 410 LAB Marine Steam Plant Simulation        | 0         | 3         | 1.50         | 0.50         | ECME 470 LEC Marine Plant Automation and Contrc    | 2         | 3         | 3.50         | 2.50         | NAUT 420 LEC Advanced Firefighting              | 1         | 1         | 2.00         | 1.50         |
| ECME 450 LEC Gas Turbines and marine Auxiliary E  | 3         | 3         | 4.50         | 3.50         | ECNA 401 LEC Naval Architecture for Marine Engine  | 3         | 0         | 2.50         | 2.50         | NASC 410 LEC Naval Science Senior Seminar       | 2         | 0         | 2.00         | 2.00         |
| EMEM 405 LEC Engineering Project Management 1     | 3         | 1         | 3.50         | 3.50         | EMEM 415 LEC Engineering Project Management 2      | 3         | 1         | 3.50         | 3.50         | HIST 410 LEC Modern World History               | 3         | 0         | 3.00         | 3.00         |
| MATH 330 LEC Operations Research 2                | 3         | 3         | 3.00         | 3.00         | NASC 400 LEC Naval Leadership & Ethics             | 2         | 0         | 2.00         | 2.00         | LITR 201 LEC Literature                         | 3         | 0         | 3.00         | 3.00         |
|   | <b>15</b> | <b>16</b> | <b>23.00</b> | <b>18.50</b> |  | <b>15</b> | <b>14</b> | <b>23.50</b> | <b>17.50</b> |   | <b>13</b> | <b>5</b>  | <b>17.00</b> | <b>14.00</b> |
|   |           |           |              |              |  |           |           |              |              | Total In-Resident Credits                       |           |           |              | 155.00       |
|   |           |           |              |              |  |           |           |              |              | Total Credits                                   |           |           |              | 177.00       |

**Office of the Registrar**  
United States Merchant Marine Academy

**Class of 2021 & 2022 A****Major: Marine Engineering Systems**

| <b>Term 1</b>                                 |           |            |              |              | <b>Term 2</b>                             |           |            |              |              | <b>Term 3</b>                                 |           |            |                           |              |   |   |   |      |      |  |   |   |      |      |  |   |   |      |      |  |   |   |      |      |  |   |   |      |      |  |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                                    |   |   |      |      |                                       |   |   |      |      |   |   |   |      |      |                                       |   |   |      |      |   |   |   |      |      |   |   |   |      |      |   |           |          |              |              |                                    |          |          |             |             |  |          |          |             |             |                                      |          |          |             |             |                     |   |   |      |      |                                    |           |           |              |              |                |           |          |              |              |          |           |            |              |              |  |           |            |              |              |                                  |          |            |           |      |                               |   |   |                           |        |   |           |          |              |              |                          |           |           |              |              |   |           |            |               |              |  |          |            |           |      |                                       |          |            |           |      |  |   |   |      |      |   |   |   |      |      |   |          |            |           |      |  |          |            |           |      |   |          |            |           |      |  |   |   |      |      |                                       |   |   |      |      |   |   |   |      |      |                                      |   |   |      |      |  |   |   |      |      |  |   |   |      |      |                                   |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                                      |          |          |             |             |   |   |   |      |      |   |           |           |              |              |                        |           |          |              |              |  |           |          |              |              |                                       |          |          |             |             |                                       |   |   |      |      |                |  |  |                           |        |                           |   |   |      |      |                                |   |   |      |      |          |          |            |               |        |                                      |          |            |           |      |          |          |            |           |  |                                    |   |   |      |      |   |           |          |              |              |                          |          |          |             |             |   |           |           |              |              |  |   |   |      |      |                                       |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                     |          |            |           |      |  |          |            |           |      |   |          |            |           |      |                                    |   |   |      |      |                                     |   |   |      |      |   |   |   |      |      |                                      |   |   |      |      |  |   |   |      |      |                                |   |   |      |      |                                   |   |   |      |      |   |   |   |      |      |  |   |   |      |      |                                       |          |          |             |             |  |   |   |      |      |                        |           |           |              |              |                                  |           |          |              |              |   |           |          |              |              |  |  |  |  |  |   |   |   |      |      |   |  |  |                           |        |  |           |          |              |              |  |          |          |             |             |  |          |          |               |             |  |  |  |  |  |                |  |  |  |  |                |  |  |  |  |                |  |  |  |  |          |          |            |           |  |          |          |            |           |  |          |          |            |           |  |                               |   |   |      |      |   |   |   |      |      |                          |   |   |      |      |   |   |   |      |      |  |   |   |      |      |                                       |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                     |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                                    |   |   |      |      |                                   |   |   |      |      |                     |   |   |      |      |                                      |   |   |      |      |  |   |   |      |      |                         |   |   |      |      |                                   |   |   |      |      |                                    |   |   |      |      |  |   |   |      |      |                                      |          |          |             |             |                     |   |   |      |      |  |           |           |              |              |  |           |          |              |              |  |           |          |              |              |  |  |  |  |  |  |  |  |  |  |  |  |  |                           |        |  |  |  |  |  |  |  |  |  |  |  |  |  |               |        |
|---|-----------|------------|--------------|--------------|---|-----------|------------|--------------|--------------|---|-----------|------------|---------------------------|--------------|---|---|---|------|------|--|---|---|------|------|--|---|---|------|------|--|---|---|------|------|--|---|---|------|------|--|---|---|------|------|--|---|---|------|------|---|---|---|------|------|------------------------------------|---|---|------|------|---------------------------------------|---|---|------|------|---|---|---|------|------|---------------------------------------|---|---|------|------|---|---|---|------|------|---|---|---|------|------|---|-----------|----------|--------------|--------------|------------------------------------|----------|----------|-------------|-------------|--|----------|----------|-------------|-------------|--------------------------------------|----------|----------|-------------|-------------|---------------------|---|---|------|------|------------------------------------|-----------|-----------|--------------|--------------|----------------|-----------|----------|--------------|--------------|----------|-----------|------------|--------------|--------------|--|-----------|------------|--------------|--------------|----------------------------------|----------|------------|-----------|------|-------------------------------|---|---|---------------------------|--------|---|-----------|----------|--------------|--------------|--------------------------|-----------|-----------|--------------|--------------|---|-----------|------------|---------------|--------------|--|----------|------------|-----------|------|---------------------------------------|----------|------------|-----------|------|--|---|---|------|------|---|---|---|------|------|---|----------|------------|-----------|------|--|----------|------------|-----------|------|---|----------|------------|-----------|------|--|---|---|------|------|---------------------------------------|---|---|------|------|---|---|---|------|------|--------------------------------------|---|---|------|------|--|---|---|------|------|--|---|---|------|------|-----------------------------------|---|---|------|------|--|---|---|------|------|---|---|---|------|------|--------------------------------------|----------|----------|-------------|-------------|---|---|---|------|------|---|-----------|-----------|--------------|--------------|------------------------|-----------|----------|--------------|--------------|--|-----------|----------|--------------|--------------|---------------------------------------|----------|----------|-------------|-------------|---------------------------------------|---|---|------|------|----------------|--|--|---------------------------|--------|---------------------------|---|---|------|------|--------------------------------|---|---|------|------|----------|----------|------------|---------------|--------|--------------------------------------|----------|------------|-----------|------|----------|----------|------------|-----------|--|------------------------------------|---|---|------|------|---|-----------|----------|--------------|--------------|--------------------------|----------|----------|-------------|-------------|---|-----------|-----------|--------------|--------------|--|---|---|------|------|---------------------------------------|---|---|------|------|--|---|---|------|------|---|---|---|------|------|---------------------|----------|------------|-----------|------|--|----------|------------|-----------|------|---|----------|------------|-----------|------|------------------------------------|---|---|------|------|-------------------------------------|---|---|------|------|---|---|---|------|------|--------------------------------------|---|---|------|------|--|---|---|------|------|--------------------------------|---|---|------|------|-----------------------------------|---|---|------|------|---|---|---|------|------|--|---|---|------|------|---------------------------------------|----------|----------|-------------|-------------|--|---|---|------|------|------------------------|-----------|-----------|--------------|--------------|----------------------------------|-----------|----------|--------------|--------------|---|-----------|----------|--------------|--------------|--|--|--|--|--|---|---|---|------|------|---|--|--|---------------------------|--------|--|-----------|----------|--------------|--------------|--|----------|----------|-------------|-------------|--|----------|----------|---------------|-------------|--|--|--|--|--|----------------|--|--|--|--|----------------|--|--|--|--|----------------|--|--|--|--|----------|----------|------------|-----------|--|----------|----------|------------|-----------|--|----------|----------|------------|-----------|--|-------------------------------|---|---|------|------|---|---|---|------|------|--------------------------|---|---|------|------|---|---|---|------|------|--|---|---|------|------|---------------------------------------|---|---|------|------|--|---|---|------|------|---|---|---|------|------|---------------------|---|---|------|------|--|---|---|------|------|---|---|---|------|------|------------------------------------|---|---|------|------|-----------------------------------|---|---|------|------|---------------------|---|---|------|------|--------------------------------------|---|---|------|------|--|---|---|------|------|-------------------------|---|---|------|------|-----------------------------------|---|---|------|------|------------------------------------|---|---|------|------|--|---|---|------|------|--------------------------------------|----------|----------|-------------|-------------|---------------------|---|---|------|------|--|-----------|-----------|--------------|--------------|--|-----------|----------|--------------|--------------|--|-----------|----------|--------------|--------------|--|--|--|--|--|--|--|--|--|--|--|--|--|---------------------------|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|---------------|--------|
| <b>C</b>                                      | <b>L</b>  | <b>CHr</b> | <b>CR</b>    |              | <b>C</b>                                  | <b>L</b>  | <b>CHr</b> | <b>CR</b>    |              | <b>C</b>                                      | <b>L</b>  | <b>CHr</b> | <b>CR</b>                 |              |   |   |   |      |      |  |   |   |      |      |  |   |   |      |      |  |   |   |      |      |  |   |   |      |      |  |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                                    |   |   |      |      |                                       |   |   |      |      |   |   |   |      |      |                                       |   |   |      |      |   |   |   |      |      |   |   |   |      |      |   |           |          |              |              |                                    |          |          |             |             |  |          |          |             |             |                                      |          |          |             |             |                     |   |   |      |      |                                    |           |           |              |              |                |           |          |              |              |          |           |            |              |              |  |           |            |              |              |                                  |          |            |           |      |                               |   |   |                           |        |   |           |          |              |              |                          |           |           |              |              |   |           |            |               |              |  |          |            |           |      |                                       |          |            |           |      |  |   |   |      |      |   |   |   |      |      |   |          |            |           |      |  |          |            |           |      |   |          |            |           |      |  |   |   |      |      |                                       |   |   |      |      |   |   |   |      |      |                                      |   |   |      |      |  |   |   |      |      |  |   |   |      |      |                                   |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                                      |          |          |             |             |   |   |   |      |      |   |           |           |              |              |                        |           |          |              |              |  |           |          |              |              |                                       |          |          |             |             |                                       |   |   |      |      |                |  |  |                           |        |                           |   |   |      |      |                                |   |   |      |      |          |          |            |               |        |                                      |          |            |           |      |          |          |            |           |  |                                    |   |   |      |      |   |           |          |              |              |                          |          |          |             |             |   |           |           |              |              |  |   |   |      |      |                                       |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                     |          |            |           |      |  |          |            |           |      |   |          |            |           |      |                                    |   |   |      |      |                                     |   |   |      |      |   |   |   |      |      |                                      |   |   |      |      |  |   |   |      |      |                                |   |   |      |      |                                   |   |   |      |      |   |   |   |      |      |  |   |   |      |      |                                       |          |          |             |             |  |   |   |      |      |                        |           |           |              |              |                                  |           |          |              |              |   |           |          |              |              |  |  |  |  |  |   |   |   |      |      |   |  |  |                           |        |  |           |          |              |              |  |          |          |             |             |  |          |          |               |             |  |  |  |  |  |                |  |  |  |  |                |  |  |  |  |                |  |  |  |  |          |          |            |           |  |          |          |            |           |  |          |          |            |           |  |                               |   |   |      |      |   |   |   |      |      |                          |   |   |      |      |   |   |   |      |      |  |   |   |      |      |                                       |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                     |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                                    |   |   |      |      |                                   |   |   |      |      |                     |   |   |      |      |                                      |   |   |      |      |  |   |   |      |      |                         |   |   |      |      |                                   |   |   |      |      |                                    |   |   |      |      |  |   |   |      |      |                                      |          |          |             |             |                     |   |   |      |      |  |           |           |              |              |  |           |          |              |              |  |           |          |              |              |  |  |  |  |  |  |  |  |  |  |  |  |  |                           |        |  |  |  |  |  |  |  |  |  |  |  |  |  |               |        |
| ECME 101 LEC Introduction to Marine Engineeri | 3         | 3          | 4.50         | 3.50         | ECME 105 LEC Introduction to Marine Er    | 3         | 3          | 4.00         | 3.50         | ECME 101 LEC Introduction to Marine Engineeri | 3         | 3          | 4.50                      | 3.50         | NAUT 101 LEC Introduction to Nautical Science | 2 | 2 | 4.00 | 3.00 | ECMT 111 LAB Engineering Shop I              | 0 | 3 | 3.00 | 1.00 | ECMT 112 LAB Engineering Shop II         | 0 | 3 | 3.00 | 1.00 | MATH 101 LEC Calculus 1                    | 3 | 0 | 3.00 | 3.00 | ECMT100 LAB Engineering Graphics             | 0 | 2 | 2.00 | 1.00 | ECES 100 LEC Statics                     | 3 | 0 | 3.00 | 3.00 | CHEM 100 LEC General Chemistry           | 3 | 2 | 5.00 | 4.00 | NAUT 110 LEC Basic Firefighting and Safety    | 2 | 0 | 2.00 | 2.00 | PHYS 120 LEC Physics 2             | 3 | 2 | 4.50 | 3.00 | LITR 101 LEC Composition & Literature | 3 | 0 | 3.00 | 3.00 | MATH 120 LEC Calculus 2                       | 3 | 0 | 3.00 | 3.00 | HIST 100 LEC History of Sea Power     | 3 | 0 | 3.00 | 3.00 | PE&A 110 LAB Basic Swimming               | 0 | 2 | 2.00 | 1.00 | PHYS 110 LEC Physics 1                          | 3 | 2 | 4.50 | 3.00 | LITR 220 LEC Technical & Professional C | 2         | 0        | 2.00         | 2.00         | CMDT100 Social Responsibility      |          |          |             | 0.00        | PE&A 120 LAB First Aid                 | 0        | 2        | 1.00        | 0.50        | PE&A 130 LAB Aquatic Survival        | 0        | 2        | 2.00        | 1.00        |                     |   |   |      |      | PE&A 125 LAB Self Defense Tactics  | 0         | 2         | 1.00         | 0.50         | MLOG 120 VPDS  | 0         | 1        | 1.00         | 0.00         |          |           |            |              |              | NASC 100 LEC Introduction to Naval Science | 2         | 0          | 2.00         | 2.00         | BUSN101 Principles of Leadership | 1        | 0          | 1.00      | 1.00 |                               |   |   |                           |        |   | <b>14</b> | <b>9</b> | <b>21.50</b> | <b>17.50</b> |                          | <b>13</b> | <b>13</b> | <b>23.00</b> | <b>16.50</b> |   | <b>15</b> | <b>11</b>  | <b>23.50</b>  | <b>17.50</b> |  |          |            |           |      | <b>Term 4</b>                         |          |            |           |      | <b>Term 5</b>                              |   |   |      |      | <b>Term 6</b>                               |   |   |      |      | <b>C</b>                                    | <b>L</b> | <b>CHr</b> | <b>CR</b> |      | <b>C</b>                                 | <b>L</b> | <b>CHr</b> | <b>CR</b> |      | <b>C</b>                                      | <b>L</b> | <b>CHr</b> | <b>CR</b> |      | ECDL 400 LEC Basic Tanker Operations-Dange | 2 | 0 | 2.00 | 2.00 | EPRJ 210 PRJ Machine Shop Sea Project |   |   |      | 1.00 | ECEE 200 LEC Electric Circuits              | 2 | 2 | 3.00 | 2.50 | ECES 201 LEC Thermodynamics          | 3 | 0 | 3.00 | 3.00 | EPRJ 230 PRJ Main Propulsion 1 Sea Project |   |   |      | 2.00 | ECES 220 LEC Introduction to Materials I | 2 | 0 | 2.00 | 2.00 | ECES 210 LEC Dynamics             | 2 | 0 | 2.00 | 2.00 | EPRJ 240 PRJ Shipboard Systems 1 Sea Project |   |   |      | 2.00 | ECES 221 LAB Introduction to Materials I      | 0 | 2 | 1.00 | 0.50 | WTRF 100 LEC Safety of Life at Sea   | 1        | 2        | 3.00        | 2.00        | NPRJ 245 PRJ Deck Operations              |   |   |      | 1.00 | ECES 230 LEC Fluid Mechanics                    | 3         | 2         | 4.00         | 3.50         | PHYS 230 LEC Physics 3 | 3         | 2        | 4.50         | 3.00         |  |           |          |              |              | MATH 210 LEC Probability & Statistics | 3        | 0        | 3.00        | 3.00        | MATH 220 LEC Differential Equations 1 | 3 | 0 | 3.00 | 3.00 |                |  |  |                           |        | MATH 300 LEC Calculus III | 3 | 0 | 3.00 | 3.00 | NASC 200 LEC Strategic Sealift | 2 | 0 | 2.00 | 2.00 |          |          |            |               |        | CHEM 200 LEC Chemistry for Marine En | 3        | 2          | 3.50      | 3.00 |          |          |            |           |  | PE&A 200 LAB Medical Care Provider | 0 | 2 | 2.00 | 1.00 |   | <b>16</b> | <b>4</b> | <b>19.50</b> | <b>17.00</b> |                          | <b>0</b> | <b>0</b> | <b>0.00</b> | <b>6.00</b> |   | <b>16</b> | <b>10</b> | <b>21.50</b> | <b>18.50</b> |  |   |   |      |      | <b>Term 7</b>                         |   |   |      |      | <b>Term 8</b>                              |   |   |      |      | <b>Term 9</b>                               |   |   |      |      | <b>C</b>            | <b>L</b> | <b>CHr</b> | <b>CR</b> |      | <b>C</b>                                 | <b>L</b> | <b>CHr</b> | <b>CR</b> |      | <b>C</b>                                      | <b>L</b> | <b>CHr</b> | <b>CR</b> |      | ECEE 300 LEC Electric Machines     | 3 | 2 | 4.00 | 3.50 | EPRJ 310 PRJ Maintenance Management |   |   |      | 1.00 | EPRJ350 PRJ Marine Propulsion 3 Sea Project |   |   |      | 2.50 | ECES 300 LEC Strength of Materials   | 3 | 2 | 4.00 | 3.50 | EPRJ 320 PRJ Naval Arch Sea Project      |   |   |      | 1.00 | NPRJ 340 PRJ Maritime Business |   |   |      | 1.00 | ECES 310 LEC Heat Transfer        | 3 | 0 | 3.00 | 3.00 | EPRJ 330 PRJ Marine Propulson 2 Sea Project |   |   |      | 2.50 | HPRJ 300 PRJ Humanities Sea Project    |   |   |      | 1.00 | MATH 320 LEC Differential Equations 2 | 3        | 0        | 3.00        | 3.00        | EPRJ 335 PRJ Refrigeration Sea Project |   |   |      | 1.00 | INSP100 PRJ Internship |           |           |              | 1.00         | BUSN 210 Principles of Economics | 3         | 0        | 3.00         | 3.00         | EPRJ 340 PRJ Shipboard Systems II Sea Project |           |          |              | 2.00         |  |  |  |  |  | BUSN201 Maritime Leadership and Managemen | 2 | 0 | 2.00 | 2.00 | EPRJ 345 PRJ Electrical Engineering Sea Project |  |  |                           | 1.00   |  | <b>17</b> | <b>4</b> | <b>19.00</b> | <b>18.00</b> |  | <b>0</b> | <b>0</b> | <b>0.00</b> | <b>8.50</b> |  | <b>0</b> | <b>0</b> | <b>0.00</b>   | <b>5.50</b> |  |  |  |  |  | <b>Term 10</b> |  |  |  |  | <b>Term 11</b> |  |  |  |  | <b>Term 12</b> |  |  |  |  | <b>C</b> | <b>L</b> | <b>CHr</b> | <b>CR</b> |  | <b>C</b> | <b>L</b> | <b>CHr</b> | <b>CR</b> |  | <b>C</b> | <b>L</b> | <b>CHr</b> | <b>CR</b> |  | ECES 401 LEC Machine Elements | 2 | 0 | 2.00 | 2.00 | ECEN 400 LEC Marine Engineering Managemer | 1 | 2 | 3.00 | 2.00 | ECEE 400 LEC Electronics | 2 | 1 | 3.00 | 2.50 | ECME 400 LEC Marine Steam Plants and Comp | 3 | 3 | 4.50 | 3.50 | ECME 450 LEC Gas Turbines and marine Auxilia | 3 | 3 | 4.50 | 3.50 | ECME 460 LAB Marine Engineering Licer | 1 | 2 | 3.00 | 0.50 | ECME 410 LAB Marine Steam Plant Simulation | 0 | 3 | 1.50 | 0.50 | ECME 470 LEC Marine Plant Automation and Co | 2 | 3 | 3.50 | 2.50 | ESME 420 Capstone 3 | 1 | 1 | 1.50 | 1.50 | ECME 420 LEC Internal Combustion Engines | 3 | 3 | 4.50 | 3.50 | ECNA 401 LEC Naval Architecture for Marine En | 3 | 0 | 2.50 | 2.50 | NAUT 420 LEC Advanced Firefighting | 1 | 1 | 2.00 | 1.50 | ECME 431 LEC Marine Refrigeration | 2 | 3 | 3.50 | 2.50 | ESME 410 Capstone 2 | 1 | 1 | 2.00 | 2.00 | NASC 410 LEC Naval Science Senior Se | 2 | 0 | 2.00 | 2.00 | ECME 440 LAB Engine Room Resource Manage | 0 | 4 | 4.00 | 1.00 | LITR 201 LEC Literature | 3 | 0 | 3.00 | 3.00 | HIST 410 LEC Modern World History | 3 | 0 | 3.00 | 3.00 | EREM 300 LEC Engineering Economics | 3 | 0 | 3.00 | 3.00 | NASC 400 LEC Naval Leadership & Ethics | 2 | 0 | 2.00 | 2.00 | <b>EEXX XXX Engineering Elective</b> | <b>3</b> | <b>0</b> | <b>3.00</b> | <b>3.00</b> | ESME 400 Capstone 1 | 1 | 1 | 2.00 | 2.00 |  | <b>14</b> | <b>17</b> | <b>25.00</b> | <b>18.00</b> |  | <b>15</b> | <b>9</b> | <b>20.50</b> | <b>17.50</b> |  | <b>13</b> | <b>5</b> | <b>17.50</b> | <b>14.00</b> |  |  |  |  |  |  |  |  |  |  |  |  |  | Total In-Resident Credits | 154.50 |  |  |  |  |  |  |  |  |  |  |  |  |  | Total Credits | 174.50 |
|   | <b>14</b> | <b>9</b>   | <b>21.50</b> | <b>17.50</b> |   | <b>13</b> | <b>13</b>  | <b>23.00</b> | <b>16.50</b> |   | <b>15</b> | <b>11</b>  | <b>23.50</b>              | <b>17.50</b> |   |   |   |      |      |  |   |   |      |      |  |   |   |      |      |  |   |   |      |      |  |   |   |      |      |  |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                                    |   |   |      |      |                                       |   |   |      |      |   |   |   |      |      |                                       |   |   |      |      |   |   |   |      |      |   |   |   |      |      |   |           |          |              |              |                                    |          |          |             |             |  |          |          |             |             |                                      |          |          |             |             |                     |   |   |      |      |                                    |           |           |              |              |                |           |          |              |              |          |           |            |              |              |  |           |            |              |              |                                  |          |            |           |      |                               |   |   |                           |        |   |           |          |              |              |                          |           |           |              |              |   |           |            |               |              |  |          |            |           |      |                                       |          |            |           |      |  |   |   |      |      |   |   |   |      |      |   |          |            |           |      |  |          |            |           |      |   |          |            |           |      |  |   |   |      |      |                                       |   |   |      |      |   |   |   |      |      |                                      |   |   |      |      |  |   |   |      |      |  |   |   |      |      |                                   |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                                      |          |          |             |             |   |   |   |      |      |   |           |           |              |              |                        |           |          |              |              |  |           |          |              |              |                                       |          |          |             |             |                                       |   |   |      |      |                |  |  |                           |        |                           |   |   |      |      |                                |   |   |      |      |          |          |            |               |        |                                      |          |            |           |      |          |          |            |           |  |                                    |   |   |      |      |   |           |          |              |              |                          |          |          |             |             |   |           |           |              |              |  |   |   |      |      |                                       |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                     |          |            |           |      |  |          |            |           |      |   |          |            |           |      |                                    |   |   |      |      |                                     |   |   |      |      |   |   |   |      |      |                                      |   |   |      |      |  |   |   |      |      |                                |   |   |      |      |                                   |   |   |      |      |   |   |   |      |      |  |   |   |      |      |                                       |          |          |             |             |  |   |   |      |      |                        |           |           |              |              |                                  |           |          |              |              |   |           |          |              |              |  |  |  |  |  |   |   |   |      |      |   |  |  |                           |        |  |           |          |              |              |  |          |          |             |             |  |          |          |               |             |  |  |  |  |  |                |  |  |  |  |                |  |  |  |  |                |  |  |  |  |          |          |            |           |  |          |          |            |           |  |          |          |            |           |  |                               |   |   |      |      |   |   |   |      |      |                          |   |   |      |      |   |   |   |      |      |  |   |   |      |      |                                       |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                     |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                                    |   |   |      |      |                                   |   |   |      |      |                     |   |   |      |      |                                      |   |   |      |      |  |   |   |      |      |                         |   |   |      |      |                                   |   |   |      |      |                                    |   |   |      |      |  |   |   |      |      |                                      |          |          |             |             |                     |   |   |      |      |  |           |           |              |              |  |           |          |              |              |  |           |          |              |              |  |  |  |  |  |  |  |  |  |  |  |  |  |                           |        |  |  |  |  |  |  |  |  |  |  |  |  |  |               |        |
| <b>Term 4</b>                                 |           |            |              |              | <b>Term 5</b>                             |           |            |              |              | <b>Term 6</b>                                 |           |            |                           |              |   |   |   |      |      |  |   |   |      |      |  |   |   |      |      |  |   |   |      |      |  |   |   |      |      |  |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                                    |   |   |      |      |                                       |   |   |      |      |   |   |   |      |      |                                       |   |   |      |      |   |   |   |      |      |   |   |   |      |      |   |           |          |              |              |                                    |          |          |             |             |  |          |          |             |             |                                      |          |          |             |             |                     |   |   |      |      |                                    |           |           |              |              |                |           |          |              |              |          |           |            |              |              |  |           |            |              |              |                                  |          |            |           |      |                               |   |   |                           |        |   |           |          |              |              |                          |           |           |              |              |   |           |            |               |              |  |          |            |           |      |                                       |          |            |           |      |  |   |   |      |      |   |   |   |      |      |   |          |            |           |      |  |          |            |           |      |   |          |            |           |      |  |   |   |      |      |                                       |   |   |      |      |   |   |   |      |      |                                      |   |   |      |      |  |   |   |      |      |  |   |   |      |      |                                   |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                                      |          |          |             |             |   |   |   |      |      |   |           |           |              |              |                        |           |          |              |              |  |           |          |              |              |                                       |          |          |             |             |                                       |   |   |      |      |                |  |  |                           |        |                           |   |   |      |      |                                |   |   |      |      |          |          |            |               |        |                                      |          |            |           |      |          |          |            |           |  |                                    |   |   |      |      |   |           |          |              |              |                          |          |          |             |             |   |           |           |              |              |  |   |   |      |      |                                       |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                     |          |            |           |      |  |          |            |           |      |   |          |            |           |      |                                    |   |   |      |      |                                     |   |   |      |      |   |   |   |      |      |                                      |   |   |      |      |  |   |   |      |      |                                |   |   |      |      |                                   |   |   |      |      |   |   |   |      |      |  |   |   |      |      |                                       |          |          |             |             |  |   |   |      |      |                        |           |           |              |              |                                  |           |          |              |              |   |           |          |              |              |  |  |  |  |  |   |   |   |      |      |   |  |  |                           |        |  |           |          |              |              |  |          |          |             |             |  |          |          |               |             |  |  |  |  |  |                |  |  |  |  |                |  |  |  |  |                |  |  |  |  |          |          |            |           |  |          |          |            |           |  |          |          |            |           |  |                               |   |   |      |      |   |   |   |      |      |                          |   |   |      |      |   |   |   |      |      |  |   |   |      |      |                                       |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                     |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                                    |   |   |      |      |                                   |   |   |      |      |                     |   |   |      |      |                                      |   |   |      |      |  |   |   |      |      |                         |   |   |      |      |                                   |   |   |      |      |                                    |   |   |      |      |  |   |   |      |      |                                      |          |          |             |             |                     |   |   |      |      |  |           |           |              |              |  |           |          |              |              |  |           |          |              |              |  |  |  |  |  |  |  |  |  |  |  |  |  |                           |        |  |  |  |  |  |  |  |  |  |  |  |  |  |               |        |
| <b>C</b>                                      | <b>L</b>  | <b>CHr</b> | <b>CR</b>    |              | <b>C</b>                                  | <b>L</b>  | <b>CHr</b> | <b>CR</b>    |              | <b>C</b>                                      | <b>L</b>  | <b>CHr</b> | <b>CR</b>                 |              |   |   |   |      |      |  |   |   |      |      |  |   |   |      |      |  |   |   |      |      |  |   |   |      |      |  |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                                    |   |   |      |      |                                       |   |   |      |      |   |   |   |      |      |                                       |   |   |      |      |   |   |   |      |      |   |   |   |      |      |   |           |          |              |              |                                    |          |          |             |             |  |          |          |             |             |                                      |          |          |             |             |                     |   |   |      |      |                                    |           |           |              |              |                |           |          |              |              |          |           |            |              |              |  |           |            |              |              |                                  |          |            |           |      |                               |   |   |                           |        |   |           |          |              |              |                          |           |           |              |              |   |           |            |               |              |  |          |            |           |      |                                       |          |            |           |      |  |   |   |      |      |   |   |   |      |      |   |          |            |           |      |  |          |            |           |      |   |          |            |           |      |  |   |   |      |      |                                       |   |   |      |      |   |   |   |      |      |                                      |   |   |      |      |  |   |   |      |      |  |   |   |      |      |                                   |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                                      |          |          |             |             |   |   |   |      |      |   |           |           |              |              |                        |           |          |              |              |  |           |          |              |              |                                       |          |          |             |             |                                       |   |   |      |      |                |  |  |                           |        |                           |   |   |      |      |                                |   |   |      |      |          |          |            |               |        |                                      |          |            |           |      |          |          |            |           |  |                                    |   |   |      |      |   |           |          |              |              |                          |          |          |             |             |   |           |           |              |              |  |   |   |      |      |                                       |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                     |          |            |           |      |  |          |            |           |      |   |          |            |           |      |                                    |   |   |      |      |                                     |   |   |      |      |   |   |   |      |      |                                      |   |   |      |      |  |   |   |      |      |                                |   |   |      |      |                                   |   |   |      |      |   |   |   |      |      |  |   |   |      |      |                                       |          |          |             |             |  |   |   |      |      |                        |           |           |              |              |                                  |           |          |              |              |   |           |          |              |              |  |  |  |  |  |   |   |   |      |      |   |  |  |                           |        |  |           |          |              |              |  |          |          |             |             |  |          |          |               |             |  |  |  |  |  |                |  |  |  |  |                |  |  |  |  |                |  |  |  |  |          |          |            |           |  |          |          |            |           |  |          |          |            |           |  |                               |   |   |      |      |   |   |   |      |      |                          |   |   |      |      |   |   |   |      |      |  |   |   |      |      |                                       |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                     |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                                    |   |   |      |      |                                   |   |   |      |      |                     |   |   |      |      |                                      |   |   |      |      |  |   |   |      |      |                         |   |   |      |      |                                   |   |   |      |      |                                    |   |   |      |      |  |   |   |      |      |                                      |          |          |             |             |                     |   |   |      |      |  |           |           |              |              |  |           |          |              |              |  |           |          |              |              |  |  |  |  |  |  |  |  |  |  |  |  |  |                           |        |  |  |  |  |  |  |  |  |  |  |  |  |  |               |        |
| ECDL 400 LEC Basic Tanker Operations-Dange    | 2         | 0          | 2.00         | 2.00         | EPRJ 210 PRJ Machine Shop Sea Project     |           |            |              | 1.00         | ECEE 200 LEC Electric Circuits                | 2         | 2          | 3.00                      | 2.50         | ECES 201 LEC Thermodynamics                   | 3 | 0 | 3.00 | 3.00 | EPRJ 230 PRJ Main Propulsion 1 Sea Project   |   |   |      | 2.00 | ECES 220 LEC Introduction to Materials I | 2 | 0 | 2.00 | 2.00 | ECES 210 LEC Dynamics                      | 2 | 0 | 2.00 | 2.00 | EPRJ 240 PRJ Shipboard Systems 1 Sea Project |   |   |      | 2.00 | ECES 221 LAB Introduction to Materials I | 0 | 2 | 1.00 | 0.50 | WTRF 100 LEC Safety of Life at Sea       | 1 | 2 | 3.00 | 2.00 | NPRJ 245 PRJ Deck Operations                  |   |   |      | 1.00 | ECES 230 LEC Fluid Mechanics       | 3 | 2 | 4.00 | 3.50 | PHYS 230 LEC Physics 3                | 3 | 2 | 4.50 | 3.00 |   |   |   |      |      | MATH 210 LEC Probability & Statistics | 3 | 0 | 3.00 | 3.00 | MATH 220 LEC Differential Equations 1     | 3 | 0 | 3.00 | 3.00 |   |   |   |      |      | MATH 300 LEC Calculus III               | 3         | 0        | 3.00         | 3.00         | NASC 200 LEC Strategic Sealift     | 2        | 0        | 2.00        | 2.00        |  |          |          |             |             | CHEM 200 LEC Chemistry for Marine En | 3        | 2        | 3.50        | 3.00        |                     |   |   |      |      | PE&A 200 LAB Medical Care Provider | 0         | 2         | 2.00         | 1.00         |                | <b>16</b> | <b>4</b> | <b>19.50</b> | <b>17.00</b> |          | <b>0</b>  | <b>0</b>   | <b>0.00</b>  | <b>6.00</b>  |  | <b>16</b> | <b>10</b>  | <b>21.50</b> | <b>18.50</b> |                                  |          |            |           |      | <b>Term 7</b>                 |   |   |                           |        | <b>Term 8</b>                             |           |          |              |              | <b>Term 9</b>            |           |           |              |              | <b>C</b>                                  | <b>L</b>  | <b>CHr</b> | <b>CR</b>     |              | <b>C</b>                                     | <b>L</b> | <b>CHr</b> | <b>CR</b> |      | <b>C</b>                              | <b>L</b> | <b>CHr</b> | <b>CR</b> |      | ECEE 300 LEC Electric Machines             | 3 | 2 | 4.00 | 3.50 | EPRJ 310 PRJ Maintenance Management         |   |   |      | 1.00 | EPRJ350 PRJ Marine Propulsion 3 Sea Project |          |            |           | 2.50 | ECES 300 LEC Strength of Materials       | 3        | 2          | 4.00      | 3.50 | EPRJ 320 PRJ Naval Arch Sea Project           |          |            |           | 1.00 | NPRJ 340 PRJ Maritime Business             |   |   |      | 1.00 | ECES 310 LEC Heat Transfer            | 3 | 0 | 3.00 | 3.00 | EPRJ 330 PRJ Marine Propulson 2 Sea Project |   |   |      | 2.50 | HPRJ 300 PRJ Humanities Sea Project  |   |   |      | 1.00 | MATH 320 LEC Differential Equations 2      | 3 | 0 | 3.00 | 3.00 | EPRJ 335 PRJ Refrigeration Sea Project   |   |   |      | 1.00 | INSP100 PRJ Internship            |   |   |      | 1.00 | BUSN 210 Principles of Economics             | 3 | 0 | 3.00 | 3.00 | EPRJ 340 PRJ Shipboard Systems II Sea Project |   |   |      | 2.00 |                                      |          |          |             |             | BUSN201 Maritime Leadership and Managemen | 2 | 0 | 2.00 | 2.00 | EPRJ 345 PRJ Electrical Engineering Sea Project |           |           |              | 1.00         |                        | <b>17</b> | <b>4</b> | <b>19.00</b> | <b>18.00</b> |  | <b>0</b>  | <b>0</b> | <b>0.00</b>  | <b>8.50</b>  |                                       | <b>0</b> | <b>0</b> | <b>0.00</b> | <b>5.50</b> |                                       |   |   |      |      | <b>Term 10</b> |  |  |                           |        | <b>Term 11</b>            |   |   |      |      | <b>Term 12</b>                 |   |   |      |      | <b>C</b> | <b>L</b> | <b>CHr</b> | <b>CR</b>     |        | <b>C</b>                             | <b>L</b> | <b>CHr</b> | <b>CR</b> |      | <b>C</b> | <b>L</b> | <b>CHr</b> | <b>CR</b> |  | ECES 401 LEC Machine Elements      | 2 | 0 | 2.00 | 2.00 | ECEN 400 LEC Marine Engineering Managemer | 1         | 2        | 3.00         | 2.00         | ECEE 400 LEC Electronics | 2        | 1        | 3.00        | 2.50        | ECME 400 LEC Marine Steam Plants and Comp | 3         | 3         | 4.50         | 3.50         | ECME 450 LEC Gas Turbines and marine Auxilia | 3 | 3 | 4.50 | 3.50 | ECME 460 LAB Marine Engineering Licer | 1 | 2 | 3.00 | 0.50 | ECME 410 LAB Marine Steam Plant Simulation | 0 | 3 | 1.50 | 0.50 | ECME 470 LEC Marine Plant Automation and Co | 2 | 3 | 3.50 | 2.50 | ESME 420 Capstone 3 | 1        | 1          | 1.50      | 1.50 | ECME 420 LEC Internal Combustion Engines | 3        | 3          | 4.50      | 3.50 | ECNA 401 LEC Naval Architecture for Marine En | 3        | 0          | 2.50      | 2.50 | NAUT 420 LEC Advanced Firefighting | 1 | 1 | 2.00 | 1.50 | ECME 431 LEC Marine Refrigeration   | 2 | 3 | 3.50 | 2.50 | ESME 410 Capstone 2                         | 1 | 1 | 2.00 | 2.00 | NASC 410 LEC Naval Science Senior Se | 2 | 0 | 2.00 | 2.00 | ECME 440 LAB Engine Room Resource Manage | 0 | 4 | 4.00 | 1.00 | LITR 201 LEC Literature        | 3 | 0 | 3.00 | 3.00 | HIST 410 LEC Modern World History | 3 | 0 | 3.00 | 3.00 | EREM 300 LEC Engineering Economics          | 3 | 0 | 3.00 | 3.00 | NASC 400 LEC Naval Leadership & Ethics | 2 | 0 | 2.00 | 2.00 | <b>EEXX XXX Engineering Elective</b>  | <b>3</b> | <b>0</b> | <b>3.00</b> | <b>3.00</b> | ESME 400 Capstone 1                    | 1 | 1 | 2.00 | 2.00 |                        | <b>14</b> | <b>17</b> | <b>25.00</b> | <b>18.00</b> |                                  | <b>15</b> | <b>9</b> | <b>20.50</b> | <b>17.50</b> |   | <b>13</b> | <b>5</b> | <b>17.50</b> | <b>14.00</b> |  |  |  |  |  |   |   |   |      |      |   |  |  | Total In-Resident Credits | 154.50 |  |           |          |              |              |  |          |          |             |             |  |          |          | Total Credits | 174.50      |  |  |  |  |  |                |  |  |  |  |                |  |  |  |  |                |  |  |  |  |          |          |            |           |  |          |          |            |           |  |          |          |            |           |  |                               |   |   |      |      |   |   |   |      |      |                          |   |   |      |      |   |   |   |      |      |  |   |   |      |      |                                       |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                     |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                                    |   |   |      |      |                                   |   |   |      |      |                     |   |   |      |      |                                      |   |   |      |      |  |   |   |      |      |                         |   |   |      |      |                                   |   |   |      |      |                                    |   |   |      |      |  |   |   |      |      |                                      |          |          |             |             |                     |   |   |      |      |  |           |           |              |              |  |           |          |              |              |  |           |          |              |              |  |  |  |  |  |  |  |  |  |  |  |  |  |                           |        |  |  |  |  |  |  |  |  |  |  |  |  |  |               |        |
|   | <b>16</b> | <b>4</b>   | <b>19.50</b> | <b>17.00</b> |   | <b>0</b>  | <b>0</b>   | <b>0.00</b>  | <b>6.00</b>  |   | <b>16</b> | <b>10</b>  | <b>21.50</b>              | <b>18.50</b> |   |   |   |      |      |  |   |   |      |      |  |   |   |      |      |  |   |   |      |      |  |   |   |      |      |  |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                                    |   |   |      |      |                                       |   |   |      |      |   |   |   |      |      |                                       |   |   |      |      |   |   |   |      |      |   |   |   |      |      |   |           |          |              |              |                                    |          |          |             |             |  |          |          |             |             |                                      |          |          |             |             |                     |   |   |      |      |                                    |           |           |              |              |                |           |          |              |              |          |           |            |              |              |  |           |            |              |              |                                  |          |            |           |      |                               |   |   |                           |        |   |           |          |              |              |                          |           |           |              |              |   |           |            |               |              |  |          |            |           |      |                                       |          |            |           |      |  |   |   |      |      |   |   |   |      |      |   |          |            |           |      |  |          |            |           |      |   |          |            |           |      |  |   |   |      |      |                                       |   |   |      |      |   |   |   |      |      |                                      |   |   |      |      |  |   |   |      |      |  |   |   |      |      |                                   |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                                      |          |          |             |             |   |   |   |      |      |   |           |           |              |              |                        |           |          |              |              |  |           |          |              |              |                                       |          |          |             |             |                                       |   |   |      |      |                |  |  |                           |        |                           |   |   |      |      |                                |   |   |      |      |          |          |            |               |        |                                      |          |            |           |      |          |          |            |           |  |                                    |   |   |      |      |   |           |          |              |              |                          |          |          |             |             |   |           |           |              |              |  |   |   |      |      |                                       |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                     |          |            |           |      |  |          |            |           |      |   |          |            |           |      |                                    |   |   |      |      |                                     |   |   |      |      |   |   |   |      |      |                                      |   |   |      |      |  |   |   |      |      |                                |   |   |      |      |                                   |   |   |      |      |   |   |   |      |      |  |   |   |      |      |                                       |          |          |             |             |  |   |   |      |      |                        |           |           |              |              |                                  |           |          |              |              |   |           |          |              |              |  |  |  |  |  |   |   |   |      |      |   |  |  |                           |        |  |           |          |              |              |  |          |          |             |             |  |          |          |               |             |  |  |  |  |  |                |  |  |  |  |                |  |  |  |  |                |  |  |  |  |          |          |            |           |  |          |          |            |           |  |          |          |            |           |  |                               |   |   |      |      |   |   |   |      |      |                          |   |   |      |      |   |   |   |      |      |  |   |   |      |      |                                       |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                     |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                                    |   |   |      |      |                                   |   |   |      |      |                     |   |   |      |      |                                      |   |   |      |      |  |   |   |      |      |                         |   |   |      |      |                                   |   |   |      |      |                                    |   |   |      |      |  |   |   |      |      |                                      |          |          |             |             |                     |   |   |      |      |  |           |           |              |              |  |           |          |              |              |  |           |          |              |              |  |  |  |  |  |  |  |  |  |  |  |  |  |                           |        |  |  |  |  |  |  |  |  |  |  |  |  |  |               |        |
| <b>Term 7</b>                                 |           |            |              |              | <b>Term 8</b>                             |           |            |              |              | <b>Term 9</b>                                 |           |            |                           |              |   |   |   |      |      |  |   |   |      |      |  |   |   |      |      |  |   |   |      |      |  |   |   |      |      |  |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                                    |   |   |      |      |                                       |   |   |      |      |   |   |   |      |      |                                       |   |   |      |      |   |   |   |      |      |   |   |   |      |      |   |           |          |              |              |                                    |          |          |             |             |  |          |          |             |             |                                      |          |          |             |             |                     |   |   |      |      |                                    |           |           |              |              |                |           |          |              |              |          |           |            |              |              |  |           |            |              |              |                                  |          |            |           |      |                               |   |   |                           |        |   |           |          |              |              |                          |           |           |              |              |   |           |            |               |              |  |          |            |           |      |                                       |          |            |           |      |  |   |   |      |      |   |   |   |      |      |   |          |            |           |      |  |          |            |           |      |   |          |            |           |      |  |   |   |      |      |                                       |   |   |      |      |   |   |   |      |      |                                      |   |   |      |      |  |   |   |      |      |  |   |   |      |      |                                   |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                                      |          |          |             |             |   |   |   |      |      |   |           |           |              |              |                        |           |          |              |              |  |           |          |              |              |                                       |          |          |             |             |                                       |   |   |      |      |                |  |  |                           |        |                           |   |   |      |      |                                |   |   |      |      |          |          |            |               |        |                                      |          |            |           |      |          |          |            |           |  |                                    |   |   |      |      |   |           |          |              |              |                          |          |          |             |             |   |           |           |              |              |  |   |   |      |      |                                       |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                     |          |            |           |      |  |          |            |           |      |   |          |            |           |      |                                    |   |   |      |      |                                     |   |   |      |      |   |   |   |      |      |                                      |   |   |      |      |  |   |   |      |      |                                |   |   |      |      |                                   |   |   |      |      |   |   |   |      |      |  |   |   |      |      |                                       |          |          |             |             |  |   |   |      |      |                        |           |           |              |              |                                  |           |          |              |              |   |           |          |              |              |  |  |  |  |  |   |   |   |      |      |   |  |  |                           |        |  |           |          |              |              |  |          |          |             |             |  |          |          |               |             |  |  |  |  |  |                |  |  |  |  |                |  |  |  |  |                |  |  |  |  |          |          |            |           |  |          |          |            |           |  |          |          |            |           |  |                               |   |   |      |      |   |   |   |      |      |                          |   |   |      |      |   |   |   |      |      |  |   |   |      |      |                                       |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                     |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                                    |   |   |      |      |                                   |   |   |      |      |                     |   |   |      |      |                                      |   |   |      |      |  |   |   |      |      |                         |   |   |      |      |                                   |   |   |      |      |                                    |   |   |      |      |  |   |   |      |      |                                      |          |          |             |             |                     |   |   |      |      |  |           |           |              |              |  |           |          |              |              |  |           |          |              |              |  |  |  |  |  |  |  |  |  |  |  |  |  |                           |        |  |  |  |  |  |  |  |  |  |  |  |  |  |               |        |
| <b>C</b>                                      | <b>L</b>  | <b>CHr</b> | <b>CR</b>    |              | <b>C</b>                                  | <b>L</b>  | <b>CHr</b> | <b>CR</b>    |              | <b>C</b>                                      | <b>L</b>  | <b>CHr</b> | <b>CR</b>                 |              |   |   |   |      |      |  |   |   |      |      |  |   |   |      |      |  |   |   |      |      |  |   |   |      |      |  |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                                    |   |   |      |      |                                       |   |   |      |      |   |   |   |      |      |                                       |   |   |      |      |   |   |   |      |      |   |   |   |      |      |   |           |          |              |              |                                    |          |          |             |             |  |          |          |             |             |                                      |          |          |             |             |                     |   |   |      |      |                                    |           |           |              |              |                |           |          |              |              |          |           |            |              |              |  |           |            |              |              |                                  |          |            |           |      |                               |   |   |                           |        |   |           |          |              |              |                          |           |           |              |              |   |           |            |               |              |  |          |            |           |      |                                       |          |            |           |      |  |   |   |      |      |   |   |   |      |      |   |          |            |           |      |  |          |            |           |      |   |          |            |           |      |  |   |   |      |      |                                       |   |   |      |      |   |   |   |      |      |                                      |   |   |      |      |  |   |   |      |      |  |   |   |      |      |                                   |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                                      |          |          |             |             |   |   |   |      |      |   |           |           |              |              |                        |           |          |              |              |  |           |          |              |              |                                       |          |          |             |             |                                       |   |   |      |      |                |  |  |                           |        |                           |   |   |      |      |                                |   |   |      |      |          |          |            |               |        |                                      |          |            |           |      |          |          |            |           |  |                                    |   |   |      |      |   |           |          |              |              |                          |          |          |             |             |   |           |           |              |              |  |   |   |      |      |                                       |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                     |          |            |           |      |  |          |            |           |      |   |          |            |           |      |                                    |   |   |      |      |                                     |   |   |      |      |   |   |   |      |      |                                      |   |   |      |      |  |   |   |      |      |                                |   |   |      |      |                                   |   |   |      |      |   |   |   |      |      |  |   |   |      |      |                                       |          |          |             |             |  |   |   |      |      |                        |           |           |              |              |                                  |           |          |              |              |   |           |          |              |              |  |  |  |  |  |   |   |   |      |      |   |  |  |                           |        |  |           |          |              |              |  |          |          |             |             |  |          |          |               |             |  |  |  |  |  |                |  |  |  |  |                |  |  |  |  |                |  |  |  |  |          |          |            |           |  |          |          |            |           |  |          |          |            |           |  |                               |   |   |      |      |   |   |   |      |      |                          |   |   |      |      |   |   |   |      |      |  |   |   |      |      |                                       |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                     |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                                    |   |   |      |      |                                   |   |   |      |      |                     |   |   |      |      |                                      |   |   |      |      |  |   |   |      |      |                         |   |   |      |      |                                   |   |   |      |      |                                    |   |   |      |      |  |   |   |      |      |                                      |          |          |             |             |                     |   |   |      |      |  |           |           |              |              |  |           |          |              |              |  |           |          |              |              |  |  |  |  |  |  |  |  |  |  |  |  |  |                           |        |  |  |  |  |  |  |  |  |  |  |  |  |  |               |        |
| ECEE 300 LEC Electric Machines                | 3         | 2          | 4.00         | 3.50         | EPRJ 310 PRJ Maintenance Management       |           |            |              | 1.00         | EPRJ350 PRJ Marine Propulsion 3 Sea Project   |           |            |                           | 2.50         | ECES 300 LEC Strength of Materials            | 3 | 2 | 4.00 | 3.50 | EPRJ 320 PRJ Naval Arch Sea Project          |   |   |      | 1.00 | NPRJ 340 PRJ Maritime Business           |   |   |      | 1.00 | ECES 310 LEC Heat Transfer                 | 3 | 0 | 3.00 | 3.00 | EPRJ 330 PRJ Marine Propulson 2 Sea Project  |   |   |      | 2.50 | HPRJ 300 PRJ Humanities Sea Project      |   |   |      | 1.00 | MATH 320 LEC Differential Equations 2    | 3 | 0 | 3.00 | 3.00 | EPRJ 335 PRJ Refrigeration Sea Project        |   |   |      | 1.00 | INSP100 PRJ Internship             |   |   |      | 1.00 | BUSN 210 Principles of Economics      | 3 | 0 | 3.00 | 3.00 | EPRJ 340 PRJ Shipboard Systems II Sea Project |   |   |      | 2.00 |                                       |   |   |      |      | BUSN201 Maritime Leadership and Managemen | 2 | 0 | 2.00 | 2.00 | EPRJ 345 PRJ Electrical Engineering Sea Project |   |   |      | 1.00 |   | <b>17</b> | <b>4</b> | <b>19.00</b> | <b>18.00</b> |                                    | <b>0</b> | <b>0</b> | <b>0.00</b> | <b>8.50</b> |  | <b>0</b> | <b>0</b> | <b>0.00</b> | <b>5.50</b> |                                      |          |          |             |             | <b>Term 10</b>      |   |   |      |      | <b>Term 11</b>                     |           |           |              |              | <b>Term 12</b> |           |          |              |              | <b>C</b> | <b>L</b>  | <b>CHr</b> | <b>CR</b>    |              | <b>C</b>                                   | <b>L</b>  | <b>CHr</b> | <b>CR</b>    |              | <b>C</b>                         | <b>L</b> | <b>CHr</b> | <b>CR</b> |      | ECES 401 LEC Machine Elements | 2 | 0 | 2.00                      | 2.00   | ECEN 400 LEC Marine Engineering Managemer | 1         | 2        | 3.00         | 2.00         | ECEE 400 LEC Electronics | 2         | 1         | 3.00         | 2.50         | ECME 400 LEC Marine Steam Plants and Comp | 3         | 3          | 4.50          | 3.50         | ECME 450 LEC Gas Turbines and marine Auxilia | 3        | 3          | 4.50      | 3.50 | ECME 460 LAB Marine Engineering Licer | 1        | 2          | 3.00      | 0.50 | ECME 410 LAB Marine Steam Plant Simulation | 0 | 3 | 1.50 | 0.50 | ECME 470 LEC Marine Plant Automation and Co | 2 | 3 | 3.50 | 2.50 | ESME 420 Capstone 3                         | 1        | 1          | 1.50      | 1.50 | ECME 420 LEC Internal Combustion Engines | 3        | 3          | 4.50      | 3.50 | ECNA 401 LEC Naval Architecture for Marine En | 3        | 0          | 2.50      | 2.50 | NAUT 420 LEC Advanced Firefighting         | 1 | 1 | 2.00 | 1.50 | ECME 431 LEC Marine Refrigeration     | 2 | 3 | 3.50 | 2.50 | ESME 410 Capstone 2                         | 1 | 1 | 2.00 | 2.00 | NASC 410 LEC Naval Science Senior Se | 2 | 0 | 2.00 | 2.00 | ECME 440 LAB Engine Room Resource Manage   | 0 | 4 | 4.00 | 1.00 | LITR 201 LEC Literature                  | 3 | 0 | 3.00 | 3.00 | HIST 410 LEC Modern World History | 3 | 0 | 3.00 | 3.00 | EREM 300 LEC Engineering Economics           | 3 | 0 | 3.00 | 3.00 | NASC 400 LEC Naval Leadership & Ethics        | 2 | 0 | 2.00 | 2.00 | <b>EEXX XXX Engineering Elective</b> | <b>3</b> | <b>0</b> | <b>3.00</b> | <b>3.00</b> | ESME 400 Capstone 1                       | 1 | 1 | 2.00 | 2.00 |   | <b>14</b> | <b>17</b> | <b>25.00</b> | <b>18.00</b> |                        | <b>15</b> | <b>9</b> | <b>20.50</b> | <b>17.50</b> |  | <b>13</b> | <b>5</b> | <b>17.50</b> | <b>14.00</b> |                                       |          |          |             |             |                                       |   |   |      |      |                |  |  | Total In-Resident Credits | 154.50 |                           |   |   |      |      |                                |   |   |      |      |          |          |            | Total Credits | 174.50 |                                      |          |            |           |      |          |          |            |           |  |                                    |   |   |      |      |   |           |          |              |              |                          |          |          |             |             |   |           |           |              |              |  |   |   |      |      |                                       |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                     |          |            |           |      |  |          |            |           |      |   |          |            |           |      |                                    |   |   |      |      |                                     |   |   |      |      |   |   |   |      |      |                                      |   |   |      |      |  |   |   |      |      |                                |   |   |      |      |                                   |   |   |      |      |   |   |   |      |      |  |   |   |      |      |                                       |          |          |             |             |  |   |   |      |      |                        |           |           |              |              |                                  |           |          |              |              |   |           |          |              |              |  |  |  |  |  |   |   |   |      |      |   |  |  |                           |        |  |           |          |              |              |  |          |          |             |             |  |          |          |               |             |  |  |  |  |  |                |  |  |  |  |                |  |  |  |  |                |  |  |  |  |          |          |            |           |  |          |          |            |           |  |          |          |            |           |  |                               |   |   |      |      |   |   |   |      |      |                          |   |   |      |      |   |   |   |      |      |  |   |   |      |      |                                       |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                     |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                                    |   |   |      |      |                                   |   |   |      |      |                     |   |   |      |      |                                      |   |   |      |      |  |   |   |      |      |                         |   |   |      |      |                                   |   |   |      |      |                                    |   |   |      |      |  |   |   |      |      |                                      |          |          |             |             |                     |   |   |      |      |  |           |           |              |              |  |           |          |              |              |  |           |          |              |              |  |  |  |  |  |  |  |  |  |  |  |  |  |                           |        |  |  |  |  |  |  |  |  |  |  |  |  |  |               |        |
|   | <b>17</b> | <b>4</b>   | <b>19.00</b> | <b>18.00</b> |   | <b>0</b>  | <b>0</b>   | <b>0.00</b>  | <b>8.50</b>  |   | <b>0</b>  | <b>0</b>   | <b>0.00</b>               | <b>5.50</b>  |   |   |   |      |      |  |   |   |      |      |  |   |   |      |      |  |   |   |      |      |  |   |   |      |      |  |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                                    |   |   |      |      |                                       |   |   |      |      |   |   |   |      |      |                                       |   |   |      |      |   |   |   |      |      |   |   |   |      |      |   |           |          |              |              |                                    |          |          |             |             |  |          |          |             |             |                                      |          |          |             |             |                     |   |   |      |      |                                    |           |           |              |              |                |           |          |              |              |          |           |            |              |              |  |           |            |              |              |                                  |          |            |           |      |                               |   |   |                           |        |   |           |          |              |              |                          |           |           |              |              |   |           |            |               |              |  |          |            |           |      |                                       |          |            |           |      |  |   |   |      |      |   |   |   |      |      |   |          |            |           |      |  |          |            |           |      |   |          |            |           |      |  |   |   |      |      |                                       |   |   |      |      |   |   |   |      |      |                                      |   |   |      |      |  |   |   |      |      |  |   |   |      |      |                                   |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                                      |          |          |             |             |   |   |   |      |      |   |           |           |              |              |                        |           |          |              |              |  |           |          |              |              |                                       |          |          |             |             |                                       |   |   |      |      |                |  |  |                           |        |                           |   |   |      |      |                                |   |   |      |      |          |          |            |               |        |                                      |          |            |           |      |          |          |            |           |  |                                    |   |   |      |      |   |           |          |              |              |                          |          |          |             |             |   |           |           |              |              |  |   |   |      |      |                                       |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                     |          |            |           |      |  |          |            |           |      |   |          |            |           |      |                                    |   |   |      |      |                                     |   |   |      |      |   |   |   |      |      |                                      |   |   |      |      |  |   |   |      |      |                                |   |   |      |      |                                   |   |   |      |      |   |   |   |      |      |  |   |   |      |      |                                       |          |          |             |             |  |   |   |      |      |                        |           |           |              |              |                                  |           |          |              |              |   |           |          |              |              |  |  |  |  |  |   |   |   |      |      |   |  |  |                           |        |  |           |          |              |              |  |          |          |             |             |  |          |          |               |             |  |  |  |  |  |                |  |  |  |  |                |  |  |  |  |                |  |  |  |  |          |          |            |           |  |          |          |            |           |  |          |          |            |           |  |                               |   |   |      |      |   |   |   |      |      |                          |   |   |      |      |   |   |   |      |      |  |   |   |      |      |                                       |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                     |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                                    |   |   |      |      |                                   |   |   |      |      |                     |   |   |      |      |                                      |   |   |      |      |  |   |   |      |      |                         |   |   |      |      |                                   |   |   |      |      |                                    |   |   |      |      |  |   |   |      |      |                                      |          |          |             |             |                     |   |   |      |      |  |           |           |              |              |  |           |          |              |              |  |           |          |              |              |  |  |  |  |  |  |  |  |  |  |  |  |  |                           |        |  |  |  |  |  |  |  |  |  |  |  |  |  |               |        |
| <b>Term 10</b>                                |           |            |              |              | <b>Term 11</b>                            |           |            |              |              | <b>Term 12</b>                                |           |            |                           |              |   |   |   |      |      |  |   |   |      |      |  |   |   |      |      |  |   |   |      |      |  |   |   |      |      |  |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                                    |   |   |      |      |                                       |   |   |      |      |   |   |   |      |      |                                       |   |   |      |      |   |   |   |      |      |   |   |   |      |      |   |           |          |              |              |                                    |          |          |             |             |  |          |          |             |             |                                      |          |          |             |             |                     |   |   |      |      |                                    |           |           |              |              |                |           |          |              |              |          |           |            |              |              |  |           |            |              |              |                                  |          |            |           |      |                               |   |   |                           |        |   |           |          |              |              |                          |           |           |              |              |   |           |            |               |              |  |          |            |           |      |                                       |          |            |           |      |  |   |   |      |      |   |   |   |      |      |   |          |            |           |      |  |          |            |           |      |   |          |            |           |      |  |   |   |      |      |                                       |   |   |      |      |   |   |   |      |      |                                      |   |   |      |      |  |   |   |      |      |  |   |   |      |      |                                   |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                                      |          |          |             |             |   |   |   |      |      |   |           |           |              |              |                        |           |          |              |              |  |           |          |              |              |                                       |          |          |             |             |                                       |   |   |      |      |                |  |  |                           |        |                           |   |   |      |      |                                |   |   |      |      |          |          |            |               |        |                                      |          |            |           |      |          |          |            |           |  |                                    |   |   |      |      |   |           |          |              |              |                          |          |          |             |             |   |           |           |              |              |  |   |   |      |      |                                       |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                     |          |            |           |      |  |          |            |           |      |   |          |            |           |      |                                    |   |   |      |      |                                     |   |   |      |      |   |   |   |      |      |                                      |   |   |      |      |  |   |   |      |      |                                |   |   |      |      |                                   |   |   |      |      |   |   |   |      |      |  |   |   |      |      |                                       |          |          |             |             |  |   |   |      |      |                        |           |           |              |              |                                  |           |          |              |              |   |           |          |              |              |  |  |  |  |  |   |   |   |      |      |   |  |  |                           |        |  |           |          |              |              |  |          |          |             |             |  |          |          |               |             |  |  |  |  |  |                |  |  |  |  |                |  |  |  |  |                |  |  |  |  |          |          |            |           |  |          |          |            |           |  |          |          |            |           |  |                               |   |   |      |      |   |   |   |      |      |                          |   |   |      |      |   |   |   |      |      |  |   |   |      |      |                                       |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                     |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                                    |   |   |      |      |                                   |   |   |      |      |                     |   |   |      |      |                                      |   |   |      |      |  |   |   |      |      |                         |   |   |      |      |                                   |   |   |      |      |                                    |   |   |      |      |  |   |   |      |      |                                      |          |          |             |             |                     |   |   |      |      |  |           |           |              |              |  |           |          |              |              |  |           |          |              |              |  |  |  |  |  |  |  |  |  |  |  |  |  |                           |        |  |  |  |  |  |  |  |  |  |  |  |  |  |               |        |
| <b>C</b>                                      | <b>L</b>  | <b>CHr</b> | <b>CR</b>    |              | <b>C</b>                                  | <b>L</b>  | <b>CHr</b> | <b>CR</b>    |              | <b>C</b>                                      | <b>L</b>  | <b>CHr</b> | <b>CR</b>                 |              |   |   |   |      |      |  |   |   |      |      |  |   |   |      |      |  |   |   |      |      |  |   |   |      |      |  |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                                    |   |   |      |      |                                       |   |   |      |      |   |   |   |      |      |                                       |   |   |      |      |   |   |   |      |      |   |   |   |      |      |   |           |          |              |              |                                    |          |          |             |             |  |          |          |             |             |                                      |          |          |             |             |                     |   |   |      |      |                                    |           |           |              |              |                |           |          |              |              |          |           |            |              |              |  |           |            |              |              |                                  |          |            |           |      |                               |   |   |                           |        |   |           |          |              |              |                          |           |           |              |              |   |           |            |               |              |  |          |            |           |      |                                       |          |            |           |      |  |   |   |      |      |   |   |   |      |      |   |          |            |           |      |  |          |            |           |      |   |          |            |           |      |  |   |   |      |      |                                       |   |   |      |      |   |   |   |      |      |                                      |   |   |      |      |  |   |   |      |      |  |   |   |      |      |                                   |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                                      |          |          |             |             |   |   |   |      |      |   |           |           |              |              |                        |           |          |              |              |  |           |          |              |              |                                       |          |          |             |             |                                       |   |   |      |      |                |  |  |                           |        |                           |   |   |      |      |                                |   |   |      |      |          |          |            |               |        |                                      |          |            |           |      |          |          |            |           |  |                                    |   |   |      |      |   |           |          |              |              |                          |          |          |             |             |   |           |           |              |              |  |   |   |      |      |                                       |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                     |          |            |           |      |  |          |            |           |      |   |          |            |           |      |                                    |   |   |      |      |                                     |   |   |      |      |   |   |   |      |      |                                      |   |   |      |      |  |   |   |      |      |                                |   |   |      |      |                                   |   |   |      |      |   |   |   |      |      |  |   |   |      |      |                                       |          |          |             |             |  |   |   |      |      |                        |           |           |              |              |                                  |           |          |              |              |   |           |          |              |              |  |  |  |  |  |   |   |   |      |      |   |  |  |                           |        |  |           |          |              |              |  |          |          |             |             |  |          |          |               |             |  |  |  |  |  |                |  |  |  |  |                |  |  |  |  |                |  |  |  |  |          |          |            |           |  |          |          |            |           |  |          |          |            |           |  |                               |   |   |      |      |   |   |   |      |      |                          |   |   |      |      |   |   |   |      |      |  |   |   |      |      |                                       |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                     |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                                    |   |   |      |      |                                   |   |   |      |      |                     |   |   |      |      |                                      |   |   |      |      |  |   |   |      |      |                         |   |   |      |      |                                   |   |   |      |      |                                    |   |   |      |      |  |   |   |      |      |                                      |          |          |             |             |                     |   |   |      |      |  |           |           |              |              |  |           |          |              |              |  |           |          |              |              |  |  |  |  |  |  |  |  |  |  |  |  |  |                           |        |  |  |  |  |  |  |  |  |  |  |  |  |  |               |        |
| ECES 401 LEC Machine Elements                 | 2         | 0          | 2.00         | 2.00         | ECEN 400 LEC Marine Engineering Managemer | 1         | 2          | 3.00         | 2.00         | ECEE 400 LEC Electronics                      | 2         | 1          | 3.00                      | 2.50         | ECME 400 LEC Marine Steam Plants and Comp     | 3 | 3 | 4.50 | 3.50 | ECME 450 LEC Gas Turbines and marine Auxilia | 3 | 3 | 4.50 | 3.50 | ECME 460 LAB Marine Engineering Licer    | 1 | 2 | 3.00 | 0.50 | ECME 410 LAB Marine Steam Plant Simulation | 0 | 3 | 1.50 | 0.50 | ECME 470 LEC Marine Plant Automation and Co  | 2 | 3 | 3.50 | 2.50 | ESME 420 Capstone 3                      | 1 | 1 | 1.50 | 1.50 | ECME 420 LEC Internal Combustion Engines | 3 | 3 | 4.50 | 3.50 | ECNA 401 LEC Naval Architecture for Marine En | 3 | 0 | 2.50 | 2.50 | NAUT 420 LEC Advanced Firefighting | 1 | 1 | 2.00 | 1.50 | ECME 431 LEC Marine Refrigeration     | 2 | 3 | 3.50 | 2.50 | ESME 410 Capstone 2                           | 1 | 1 | 2.00 | 2.00 | NASC 410 LEC Naval Science Senior Se  | 2 | 0 | 2.00 | 2.00 | ECME 440 LAB Engine Room Resource Manage  | 0 | 4 | 4.00 | 1.00 | LITR 201 LEC Literature                         | 3 | 0 | 3.00 | 3.00 | HIST 410 LEC Modern World History       | 3         | 0        | 3.00         | 3.00         | EREM 300 LEC Engineering Economics | 3        | 0        | 3.00        | 3.00        | NASC 400 LEC Naval Leadership & Ethics | 2        | 0        | 2.00        | 2.00        | <b>EEXX XXX Engineering Elective</b> | <b>3</b> | <b>0</b> | <b>3.00</b> | <b>3.00</b> | ESME 400 Capstone 1 | 1 | 1 | 2.00 | 2.00 |                                    | <b>14</b> | <b>17</b> | <b>25.00</b> | <b>18.00</b> |                | <b>15</b> | <b>9</b> | <b>20.50</b> | <b>17.50</b> |          | <b>13</b> | <b>5</b>   | <b>17.50</b> | <b>14.00</b> |  |           |            |              |              |                                  |          |            |           |      |                               |   |   | Total In-Resident Credits | 154.50 |   |           |          |              |              |                          |           |           |              |              |   |           |            | Total Credits | 174.50       |  |          |            |           |      |                                       |          |            |           |      |  |   |   |      |      |   |   |   |      |      |   |          |            |           |      |  |          |            |           |      |   |          |            |           |      |  |   |   |      |      |                                       |   |   |      |      |   |   |   |      |      |                                      |   |   |      |      |  |   |   |      |      |  |   |   |      |      |                                   |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                                      |          |          |             |             |   |   |   |      |      |   |           |           |              |              |                        |           |          |              |              |  |           |          |              |              |                                       |          |          |             |             |                                       |   |   |      |      |                |  |  |                           |        |                           |   |   |      |      |                                |   |   |      |      |          |          |            |               |        |                                      |          |            |           |      |          |          |            |           |  |                                    |   |   |      |      |   |           |          |              |              |                          |          |          |             |             |   |           |           |              |              |  |   |   |      |      |                                       |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                     |          |            |           |      |  |          |            |           |      |   |          |            |           |      |                                    |   |   |      |      |                                     |   |   |      |      |   |   |   |      |      |                                      |   |   |      |      |  |   |   |      |      |                                |   |   |      |      |                                   |   |   |      |      |   |   |   |      |      |  |   |   |      |      |                                       |          |          |             |             |  |   |   |      |      |                        |           |           |              |              |                                  |           |          |              |              |   |           |          |              |              |  |  |  |  |  |   |   |   |      |      |   |  |  |                           |        |  |           |          |              |              |  |          |          |             |             |  |          |          |               |             |  |  |  |  |  |                |  |  |  |  |                |  |  |  |  |                |  |  |  |  |          |          |            |           |  |          |          |            |           |  |          |          |            |           |  |                               |   |   |      |      |   |   |   |      |      |                          |   |   |      |      |   |   |   |      |      |  |   |   |      |      |                                       |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                     |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                                    |   |   |      |      |                                   |   |   |      |      |                     |   |   |      |      |                                      |   |   |      |      |  |   |   |      |      |                         |   |   |      |      |                                   |   |   |      |      |                                    |   |   |      |      |  |   |   |      |      |                                      |          |          |             |             |                     |   |   |      |      |  |           |           |              |              |  |           |          |              |              |  |           |          |              |              |  |  |  |  |  |  |  |  |  |  |  |  |  |                           |        |  |  |  |  |  |  |  |  |  |  |  |  |  |               |        |
|   | <b>14</b> | <b>17</b>  | <b>25.00</b> | <b>18.00</b> |   | <b>15</b> | <b>9</b>   | <b>20.50</b> | <b>17.50</b> |   | <b>13</b> | <b>5</b>   | <b>17.50</b>              | <b>14.00</b> |   |   |   |      |      |  |   |   |      |      |  |   |   |      |      |  |   |   |      |      |  |   |   |      |      |  |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                                    |   |   |      |      |                                       |   |   |      |      |   |   |   |      |      |                                       |   |   |      |      |   |   |   |      |      |   |   |   |      |      |   |           |          |              |              |                                    |          |          |             |             |  |          |          |             |             |                                      |          |          |             |             |                     |   |   |      |      |                                    |           |           |              |              |                |           |          |              |              |          |           |            |              |              |  |           |            |              |              |                                  |          |            |           |      |                               |   |   |                           |        |   |           |          |              |              |                          |           |           |              |              |   |           |            |               |              |  |          |            |           |      |                                       |          |            |           |      |  |   |   |      |      |   |   |   |      |      |   |          |            |           |      |  |          |            |           |      |   |          |            |           |      |  |   |   |      |      |                                       |   |   |      |      |   |   |   |      |      |                                      |   |   |      |      |  |   |   |      |      |  |   |   |      |      |                                   |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                                      |          |          |             |             |   |   |   |      |      |   |           |           |              |              |                        |           |          |              |              |  |           |          |              |              |                                       |          |          |             |             |                                       |   |   |      |      |                |  |  |                           |        |                           |   |   |      |      |                                |   |   |      |      |          |          |            |               |        |                                      |          |            |           |      |          |          |            |           |  |                                    |   |   |      |      |   |           |          |              |              |                          |          |          |             |             |   |           |           |              |              |  |   |   |      |      |                                       |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                     |          |            |           |      |  |          |            |           |      |   |          |            |           |      |                                    |   |   |      |      |                                     |   |   |      |      |   |   |   |      |      |                                      |   |   |      |      |  |   |   |      |      |                                |   |   |      |      |                                   |   |   |      |      |   |   |   |      |      |  |   |   |      |      |                                       |          |          |             |             |  |   |   |      |      |                        |           |           |              |              |                                  |           |          |              |              |   |           |          |              |              |  |  |  |  |  |   |   |   |      |      |   |  |  |                           |        |  |           |          |              |              |  |          |          |             |             |  |          |          |               |             |  |  |  |  |  |                |  |  |  |  |                |  |  |  |  |                |  |  |  |  |          |          |            |           |  |          |          |            |           |  |          |          |            |           |  |                               |   |   |      |      |   |   |   |      |      |                          |   |   |      |      |   |   |   |      |      |  |   |   |      |      |                                       |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                     |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                                    |   |   |      |      |                                   |   |   |      |      |                     |   |   |      |      |                                      |   |   |      |      |  |   |   |      |      |                         |   |   |      |      |                                   |   |   |      |      |                                    |   |   |      |      |  |   |   |      |      |                                      |          |          |             |             |                     |   |   |      |      |  |           |           |              |              |  |           |          |              |              |  |           |          |              |              |  |  |  |  |  |  |  |  |  |  |  |  |  |                           |        |  |  |  |  |  |  |  |  |  |  |  |  |  |               |        |
|   |           |            |              |              |   |           |            |              |              |   |           |            | Total In-Resident Credits | 154.50       |   |   |   |      |      |  |   |   |      |      |  |   |   |      |      |  |   |   |      |      |  |   |   |      |      |  |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                                    |   |   |      |      |                                       |   |   |      |      |   |   |   |      |      |                                       |   |   |      |      |   |   |   |      |      |   |   |   |      |      |   |           |          |              |              |                                    |          |          |             |             |  |          |          |             |             |                                      |          |          |             |             |                     |   |   |      |      |                                    |           |           |              |              |                |           |          |              |              |          |           |            |              |              |  |           |            |              |              |                                  |          |            |           |      |                               |   |   |                           |        |   |           |          |              |              |                          |           |           |              |              |   |           |            |               |              |  |          |            |           |      |                                       |          |            |           |      |  |   |   |      |      |   |   |   |      |      |   |          |            |           |      |  |          |            |           |      |   |          |            |           |      |  |   |   |      |      |                                       |   |   |      |      |   |   |   |      |      |                                      |   |   |      |      |  |   |   |      |      |  |   |   |      |      |                                   |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                                      |          |          |             |             |   |   |   |      |      |   |           |           |              |              |                        |           |          |              |              |  |           |          |              |              |                                       |          |          |             |             |                                       |   |   |      |      |                |  |  |                           |        |                           |   |   |      |      |                                |   |   |      |      |          |          |            |               |        |                                      |          |            |           |      |          |          |            |           |  |                                    |   |   |      |      |   |           |          |              |              |                          |          |          |             |             |   |           |           |              |              |  |   |   |      |      |                                       |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                     |          |            |           |      |  |          |            |           |      |   |          |            |           |      |                                    |   |   |      |      |                                     |   |   |      |      |   |   |   |      |      |                                      |   |   |      |      |  |   |   |      |      |                                |   |   |      |      |                                   |   |   |      |      |   |   |   |      |      |  |   |   |      |      |                                       |          |          |             |             |  |   |   |      |      |                        |           |           |              |              |                                  |           |          |              |              |   |           |          |              |              |  |  |  |  |  |   |   |   |      |      |   |  |  |                           |        |  |           |          |              |              |  |          |          |             |             |  |          |          |               |             |  |  |  |  |  |                |  |  |  |  |                |  |  |  |  |                |  |  |  |  |          |          |            |           |  |          |          |            |           |  |          |          |            |           |  |                               |   |   |      |      |   |   |   |      |      |                          |   |   |      |      |   |   |   |      |      |  |   |   |      |      |                                       |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                     |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                                    |   |   |      |      |                                   |   |   |      |      |                     |   |   |      |      |                                      |   |   |      |      |  |   |   |      |      |                         |   |   |      |      |                                   |   |   |      |      |                                    |   |   |      |      |  |   |   |      |      |                                      |          |          |             |             |                     |   |   |      |      |  |           |           |              |              |  |           |          |              |              |  |           |          |              |              |  |  |  |  |  |  |  |  |  |  |  |  |  |                           |        |  |  |  |  |  |  |  |  |  |  |  |  |  |               |        |
|   |           |            |              |              |   |           |            |              |              |   |           |            | Total Credits             | 174.50       |   |   |   |      |      |  |   |   |      |      |  |   |   |      |      |  |   |   |      |      |  |   |   |      |      |  |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                                    |   |   |      |      |                                       |   |   |      |      |   |   |   |      |      |                                       |   |   |      |      |   |   |   |      |      |   |   |   |      |      |   |           |          |              |              |                                    |          |          |             |             |  |          |          |             |             |                                      |          |          |             |             |                     |   |   |      |      |                                    |           |           |              |              |                |           |          |              |              |          |           |            |              |              |  |           |            |              |              |                                  |          |            |           |      |                               |   |   |                           |        |   |           |          |              |              |                          |           |           |              |              |   |           |            |               |              |  |          |            |           |      |                                       |          |            |           |      |  |   |   |      |      |   |   |   |      |      |   |          |            |           |      |  |          |            |           |      |   |          |            |           |      |  |   |   |      |      |                                       |   |   |      |      |   |   |   |      |      |                                      |   |   |      |      |  |   |   |      |      |  |   |   |      |      |                                   |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                                      |          |          |             |             |   |   |   |      |      |   |           |           |              |              |                        |           |          |              |              |  |           |          |              |              |                                       |          |          |             |             |                                       |   |   |      |      |                |  |  |                           |        |                           |   |   |      |      |                                |   |   |      |      |          |          |            |               |        |                                      |          |            |           |      |          |          |            |           |  |                                    |   |   |      |      |   |           |          |              |              |                          |          |          |             |             |   |           |           |              |              |  |   |   |      |      |                                       |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                     |          |            |           |      |  |          |            |           |      |   |          |            |           |      |                                    |   |   |      |      |                                     |   |   |      |      |   |   |   |      |      |                                      |   |   |      |      |  |   |   |      |      |                                |   |   |      |      |                                   |   |   |      |      |   |   |   |      |      |  |   |   |      |      |                                       |          |          |             |             |  |   |   |      |      |                        |           |           |              |              |                                  |           |          |              |              |   |           |          |              |              |  |  |  |  |  |   |   |   |      |      |   |  |  |                           |        |  |           |          |              |              |  |          |          |             |             |  |          |          |               |             |  |  |  |  |  |                |  |  |  |  |                |  |  |  |  |                |  |  |  |  |          |          |            |           |  |          |          |            |           |  |          |          |            |           |  |                               |   |   |      |      |   |   |   |      |      |                          |   |   |      |      |   |   |   |      |      |  |   |   |      |      |                                       |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                     |   |   |      |      |  |   |   |      |      |   |   |   |      |      |                                    |   |   |      |      |                                   |   |   |      |      |                     |   |   |      |      |                                      |   |   |      |      |  |   |   |      |      |                         |   |   |      |      |                                   |   |   |      |      |                                    |   |   |      |      |  |   |   |      |      |                                      |          |          |             |             |                     |   |   |      |      |  |           |           |              |              |  |           |          |              |              |  |           |          |              |              |  |  |  |  |  |  |  |  |  |  |  |  |  |                           |        |  |  |  |  |  |  |  |  |  |  |  |  |  |               |        |

## Office of the Registrar

United States Merchant Marine Academy

## Major: Marine Engineering Systems

## Class of 2021 &amp; 2022 B

| Term 1  | C         | L         | Chr          | CR           | Term 2   | C         | L         | Chr          | CR           | Term 3  | C         | L         | Chr          | CR            |
|---|-----------|-----------|--------------|--------------|--|-----------|-----------|--------------|--------------|---|-----------|-----------|--------------|---------------|
| ECME 101 LEC Introduction to Marine Engineeri | 3         | 3         | 4.50         | 3.50         | ECME 105 LEC Introduction to Marine Engineeri  | 3         | 3         | 4.50         | 3.50         | ECEE 100 LEC Introduction to Electrical I       | 3         | 2         | 4.00         | 3.50          |
| NAUT 101 LEC Introduction to Nautical Science | 2         | 2         | 4.00         | 3.00         | ECMT 111 LAB Engineering Shop I                | 0         | 3         | 3.00         | 1.00         | ECMT 100 LAB Engineering Graphics               | 3         | 3         | 6.00         | 1.00          |
| MATH 101 LEC Calculus 1                       | 3         | 0         | 3.00         | 3.00         | MATH 120 LEC Calculus 2                        | 3         | 0         | 3.00         | 3.00         | ECMT 112 LAB Engineering Shop II                | 0         | 3         | 3.00         | 1.00          |
| CHEM 100 LEC General Chemistry                | 3         | 2         | 5.00         | 4.00         | PHYS 110 LEC Physics 1                         | 3         | 2         | 4.50         | 3.00         | ECES 100 LEC Statics                            | 3         | 0         | 3.00         | 3.00          |
| LITR 101 LEC Composition & Literature         | 3         | 0         | 3.00         | 3.00         | HIST 100 LEC History of Sea Power              | 3         | 0         | 3.00         | 3.00         | WTRF 100 LEC Safety of Life at Sea              | 1         | 2         | 3.00         | 2.00          |
| PE&A 110 LAB Basic Swimming                   | 0         | 2         | 2.00         | 1.00         | NASC 100 LEC Introduction to Naval Science     | 2         | 0         | 2.00         | 2.00         | NAUT 110 LEC Basic Firefighting and Sa          | 2         | 0         | 2.00         | 2.00          |
| CMDT100 Social Responsibility                 |           |           |              | 0.00         | PE&A 130 LAB Aquatic Survival                  | 0         | 2         | 2.00         | 1.00         | PHYS 120 LEC Physics 2                          | 3         | 2         | 4.50         | 3.00          |
|   |           |           |              |              | MLOG 120 VPDS                                  | 0         | 1         | 1.00         | 0.00         | PE&A 120 LAB First Aid                          | 0         | 2         | 1.00         | 0.50          |
|   |           |           |              |              | BUSN101 Principles of Leadership               | 1         | 0         | 1.00         | 1.00         | PE&A 125 LAB Self Defense Tactics               | 0         | 2         | 1.00         | 0.50          |
|   | <b>14</b> | <b>9</b>  | <b>21.50</b> | <b>17.50</b> |  | <b>15</b> | <b>11</b> | <b>24.00</b> | <b>17.50</b> |   | <b>15</b> | <b>16</b> | <b>27.50</b> | <b>16.50</b>  |
| Term 4  | C         | L         | Chr          | CR           | Term 5   | C         | L         | Chr          | CR           | Term 6  | C         | L         | Chr          | CR            |
| EPRJ 210 PRJ Machine Shop Sea Project         |           |           |              | 1.00         | ECDL 400 LEC Basic Tanker Operations-Danger    | 2         | 0         | 2.00         | 2.00         | EPRJ 310 PRJ Maintenance Management             |           |           |              | 1.00          |
| EPRJ 230 PRJ Main Propulsion 1 Sea Project    |           |           |              | 2.00         | ECES 210 LEC Dynamics                          | 2         | 0         | 2.00         | 2.00         | EPRJ 320 PRJ Naval Arch Sea Project             |           |           |              | 1.00          |
| EPRJ 240 PRJ Shipboard Systems 1 Sea Project  |           |           |              | 2.00         | ECES 201 LEC Thermodynamics                    | 3         | 2         | 3.00         | 3.00         | EPRJ 330 PRJ Marine Propulsion 2 Sea Project    |           |           |              | 2.50          |
| NPRJ 245 PRJ Deck Operations                  |           |           |              | 1.00         | MATH 210 LEC Probability & Statistics          | 3         | 0         | 3.00         | 3.00         | EPRJ 335 PRJ Refrigeration Sea Project          |           |           |              | 1.00          |
|   |           |           |              |              | MATH 220 LEC Differential Equations 1          | 3         | 0         | 3.00         | 3.00         | EPRJ 340 PRJ Shipboard Systems II Sea Project   |           |           |              | 2.00          |
|   |           |           |              |              | NASC 200 LEC Strategic Sealift                 | 2         | 0         | 2.00         | 2.00         | EPRJ 345 PRJ Electrical Engineering Sea Project |           |           |              | 1.00          |
|   |           |           |              |              | BUSN201 Maritime Leadership and Managemen      | 2         | 0         | 2.00         | 2.00         |   |           |           |              |               |
|   |           |           |              |              | LITR 220 LEC Technical & Professional Commu    | 2         | 0         | 2.00         | 2.00         |   |           |           |              |               |
|   | <b>0</b>  | <b>0</b>  | <b>0.00</b>  | <b>6.00</b>  |  | <b>19</b> | <b>2</b>  | <b>19.00</b> | <b>19.00</b> |   | <b>0</b>  | <b>0</b>  | <b>0.00</b>  | <b>8.50</b>   |
| Term 7  | C         | L         | Chr          | CR           | Term 8   | C         | L         | Chr          | CR           | Term 9  | C         | L         | Chr          | CR            |
| EPRJ350 PRJ Marine Propulsion 3 Sea Project   |           |           |              | 2.50         | ECEE 200 LEC Electric Circuits                 | 2         | 2         | 3.00         | 2.50         | ECES 300 LEC Strength of Materials              | 3         | 2         | 4.00         | 3.50          |
| NPRJ 340 PRJ Maritime Business                |           |           |              | 1.00         | ECES 220 LEC Introduction to Materials Enginee | 2         | 0         | 2.00         | 2.00         | ECES 310 LEC Heat Transfer                      | 3         | 0         | 3.00         | 3.00          |
| HPRJ 300 PRJ Humanities Sea Project           |           |           |              | 1.00         | ECES 221 LAB Introduction to Materials Enginee | 0         | 2         | 1.00         | 0.50         | ECEE 300 LEC Electric Machines                  | 3         | 2         | 4.00         | 3.50          |
| INSP100 PRJ Internship                        |           |           |              | 1.00         | ECES 230 LEC Fluid Mechanics                   | 3         | 2         | 4.00         | 3.50         | EREM 300 LEC Engineering Economics              | 3         | 0         | 3.00         | 3.00          |
|   |           |           |              |              | PHYS 230 LEC Physics 3                         | 3         | 2         | 4.50         | 3.00         | CHEM 200 LEC Chemistry for Marine En            | 3         | 2         | 3.50         | 3.00          |
|   |           |           |              |              | BUSN 210 Principles of Economics               | 3         | 0         | 3.00         | 3.00         | MATH 320 LEC Differential Equations 2           | 3         | 0         | 3.00         | 3.00          |
|   |           |           |              |              | MATH 300 LEC Calculus III                      | 3         | 0         | 3.00         | 3.00         |   |           |           |              |               |
|   |           |           |              |              | PE&A 200 LAB Medical Care Provider             | 0         | 2         | 2.00         | 1.00         |   |           |           |              |               |
|   | <b>0</b>  | <b>0</b>  | <b>0.00</b>  | <b>5.50</b>  |  | <b>16</b> | <b>10</b> | <b>22.50</b> | <b>18.50</b> |   | <b>18</b> | <b>6</b>  | <b>20.50</b> | <b>19.00</b>  |
| Term 10                                       | C         | L         | Chr          | CR           | Term 11  | C         | L         | Chr          | CR           | Term 12   | C         | L         | Chr          | CR            |
| ECME 400 LEC Marine Engineering Managemer     | 1         | 2         | 3.00         | 2.00         | ECME 420 LEC Internal Combustion Engines       | 3         | 3         | 4.50         | 3.50         | ECEE 400 LEC Electronics                        | 2         | 1         | 3.00         | 2.50          |
| ECES 401 LEC Machine Elements                 | 2         | 0         | 2.00         | 2.00         | ECME 431 LEC Marine Refrigeration              | 2         | 3         | 3.50         | 2.50         | ECME 460 LAB Marine Engineering Licer           | 1         | 2         | 3.00         | 0.50          |
| ECME 400 LEC Marine Steam Plants and Comp     | 3         | 3         | 4.50         | 3.50         | ECME 440 LAB Engine Room Resource Manage       | 0         | 4         | 4.00         | 1.00         | ESME 420 Capstone 3                             | 1         | 1         | 1.50         | 1.50          |
| ECME 410 LAB Marine Steam Plant Simulation    | 0         | 3         | 1.50         | 0.50         | ECME 470 LEC Marine Plant Automation and Cc    | 2         | 3         | 3.50         | 2.50         | NAUT 420 LEC Advanced Firefighting              | 1         | 1         | 2.00         | 1.50          |
| ECME 450 LEC Gas Turbines and marine Auxilia  | 3         | 3         | 4.50         | 3.50         | ESME 410 Capstone 2                            | 1         | 1         | 2.00         | 2.00         | NASC 410 LEC Naval Science Senior Se            | 2         | 0         | 2.00         | 2.00          |
| ECNA 401 LEC Naval Architecture for Marine En | 3         | 0         | 2.50         | 2.50         | LITR 201 LEC Literature                        | 3         | 0         | 3.00         | 3.00         | HIST 410 LEC Modern World History               | 3         | 0         | 3.00         | 3.00          |
| ESME 400 Capstone 1                           | 1         | 1         | 2.00         | 2.00         | NASC 400 LEC Naval Leadership & Ethics         | 2         | 0         | 2.00         | 2.00         | <b>EEXX XXX Engineering Elective</b>            | <b>3</b>  | <b>0</b>  | <b>3.00</b>  | <b>3.00</b>   |
|   | <b>13</b> | <b>12</b> | <b>20.00</b> | <b>16.00</b> |  | <b>13</b> | <b>14</b> | <b>22.50</b> | <b>16.50</b> |   | <b>13</b> | <b>5</b>  | <b>17.50</b> | <b>14.00</b>  |
|   |           |           |              |              |  |           |           |              |              | Total In-Resident Credits                       |           |           |              | 154.50        |
|   |           |           |              |              |  |           |           |              |              | Total Credits                                   |           |           |              | <b>174.50</b> |



**Office of the Registrar**  
United States Merchant Marine Academy

**Class of 2021 & 2022 A**

**Major: Marine Engineering**

| Term 1  | C         | L          | CHr          | CR           | Term 2  | C         | L         | CHr          | CR           | Term 3                                      | C         | L         | CHr          | CR           |
|---|-----------|------------|--------------|--------------|---|-----------|-----------|--------------|--------------|---|-----------|-----------|--------------|--------------|
| ECME 101 LEC Introduction to Marine Engineeri | 3         | 3          | 4.50         | 3.50         | ECEE 100 LEC Introduction to Electrical Engine  | 3         | 2         | 4.00         | 3.50         | ECME 105 LEC Introduction to Marine Engin   | 3         | 3         | 4.50         | 3.50         |
| NAUT 101 LEC Introduction to Nautical Science | 2         | 2          | 4.00         | 3.00         | ECMT 111 LAB Engineering Shop I                 | 0         | 3         | 3.00         | 1.00         | ECMT 112 LAB Engineering Shop II            | 0         | 3         | 3.00         | 1.00         |
| MATH 101 LEC Calculus 1                       | 3         | 0          | 3.00         | 3.00         | ECMT100 LAB Engineering Graphics                | 0         | 2         | 2.00         | 1.00         | ECES 100 LEC Statics                        | 3         | 0         | 3.00         | 3.00         |
| CHEM 100 LEC General Chemistry                | 3         | 2          | 5.00         | 4.00         | NAUT 110 LEC Basic Firefighting and Safety      | 2         | 0         | 2.00         | 2.00         | PHYS 120 LEC Physics 2                      | 3         | 2         | 4.50         | 3.00         |
| LITR 101 LEC Composition & Literature         | 3         | 0          | 3.00         | 3.00         | MATH 120 LEC Calculus 2                         | 3         | 0         | 3.00         | 3.00         | HIST 100 LEC History of Sea Power           | 3         | 0         | 3.00         | 3.00         |
| PE&A 110 LAB Basic Swimming                   | 0         | 2          | 2.00         | 1.00         | PHYS 110 LEC Physics 1                          | 3         | 2         | 4.50         | 3.00         | LITR 220 LEC Technical & Professional Corr  | 2         | 0         | 2.00         | 2.00         |
| CMDT100 Social Responsibility                 |           |            |              | 0.00         | PE&A 120 LAB First Aid                          | 0         | 2         | 1.00         | 0.50         | PE&A 130 LAB Aquatic Survival               | 0         | 2         | 2.00         | 1.00         |
|   |           |            |              |              | PE&A 125 LAB Self Defense Tactics               | 0         | 2         | 1.00         | 0.50         | MLOG 120 VPDS                               | 0         | 1         | 1.00         | 0.00         |
|   |           |            |              |              | NASC 100 LEC Introduction to Naval Science      | 2         | 0         | 2.00         | 2.00         | BUSN101 Principles of Leadership            | 1         | 0         | 1.00         | 1.00         |
|   | <b>14</b> | <b>9</b>   | <b>21.50</b> | <b>17.50</b> |   | <b>13</b> | <b>13</b> | <b>22.50</b> | <b>16.50</b> |   | <b>15</b> | <b>11</b> | <b>24.00</b> | <b>17.50</b> |
| Term 4  | C         | L          | CHr          | CR           | Term 5  | C         | L         | CHr          | CR           | Term 6                                      | C         | L         | CHr          | CR           |
| ECES 201 LEC Thermodynamics                   | 3         | 0          | 3.00         | 3.00         | EPRJ 210 PRJ Machine Shop Sea Project           |           |           |              | 1.00         | ECEE 200 LEC Electric Circuits              | 2         | 2         | 3.00         | 2.50         |
| ECES 210 LEC Dynamics                         | 2         | 0          | 2.00         | 2.00         | EPRJ 230 PRJ Main Propulsion 1 Sea Project      |           |           |              | 2.00         | ECES 220 LEC Introduction to Materials Eng  | 2         | 0         | 2.00         | 2.00         |
| WTRF 100 LEC Safety of Life at Sea            | 1         | 2          | 3.00         | 2.00         | EPRJ 240 PRJ Shipboard Systems 1 Sea Project    |           |           |              | 2.00         | ECES 221 LAB Introduction to Materials Eng  | 0         | 2         | 1.00         | 0.50         |
| MATH 220 LEC Differential Equations 1         | 3         | 0          | 3.00         | 3.00         | NPRJ 245 PRJ Deck Operations                    |           |           |              | 1.00         | ECES 230 LEC Fluid Mechanics                | 3         | 2         | 4.00         | 3.50         |
| LITR 201 LEC Literature                       | 3         | 0          | 3.00         | 3.00         |   |           |           |              |              | MATH 210 LEC Probability & Statistics       | 3         | 0         | 3.00         | 3.00         |
| NASC 200 LEC Strategic Sealift                | 2         | 0          | 2.00         | 2.00         |   |           |           |              |              | CHEM 200 LEC Chemistry for Marine Engine    | 3         | 2         | 3.50         | 3.00         |
|   | <b>14</b> | <b>2.0</b> | <b>16.00</b> | <b>15.00</b> |   | <b>0</b>  | <b>0</b>  | <b>0.00</b>  | <b>6.00</b>  | PE&A 200 LAB Medical Care Provider          | 0         | 2         | 2.00         | 1.00         |
|   |           |            |              |              |   |           |           |              |              | BUSN201 Maritime Leadership and Manage      | 2         | 0         | 2.00         | 2.00         |
|   |           |            |              |              |   |           |           |              |              |   | <b>15</b> | <b>10</b> | <b>20.50</b> | <b>17.50</b> |
| Term 7  | C         | L          | CHr          | CR           | Term 8  | C         | L         | CHr          | CR           | Term 9                                      | C         | L         | CHr          | CR           |
| ECES 300 LEC Strength of Materials            | 3         | 2          | 4.00         | 3.50         | EPRJ 310 PRJ Maintenance Management             |           |           |              | 1.00         | EPRJ350 PRJ Marine Propulsion 3 Sea Project |           |           |              | 2.50         |
| ECES 310 LEC Heat Transfer                    | 3         | 0          | 3.00         | 3.00         | EPRJ 320 PRJ Naval Arch Sea Project             |           |           |              | 1.00         | NPRJ 340 PRJ Maritime Business              |           |           |              | 1.00         |
| ECEE 300 LEC Electric Machines                | 3         | 2          | 4.00         | 3.50         | EPRJ 330 PRJ Marine Propulson 2 Sea Project     |           |           |              | 2.50         | HPRJ 300 PRJ Humanities Sea Project         |           |           |              | 1.00         |
| ECDL 400 LEC Basic Tanker Operations-Dange    | 2         | 0          | 2.00         | 2.00         | EPRJ 335 PRJ Refrigeration Sea Project          |           |           |              | 1.00         | INSP100 PRJ Internship                      |           |           |              | 1.00         |
| BUSN 210 Principles of Economics              | 3         | 0          | 3.00         | 3.00         | EPRJ 340 PRJ Shipboard Systems II Sea Project   |           |           |              | 2.00         |   |           |           |              |              |
| NASC 400 LEC Naval Leadership & Ethics        | 2         | 0          | 2.00         | 2.00         | EPRJ 345 PRJ Electrical Engineering Sea Project |           |           |              | 1.00         |   |           |           |              |              |
|   | <b>16</b> | <b>4</b>   | <b>18.00</b> | <b>17.00</b> |   | <b>0</b>  | <b>0</b>  | <b>0.00</b>  | <b>8.50</b>  |   | <b>0</b>  | <b>0</b>  | <b>0.00</b>  | <b>5.50</b>  |
| Term 10                                       | C         | L          | CHr          | CR           | Term 11   | C         | L         | CHr          | CR           | Term 12                                     | C         | L         | CHr          | CR           |
| ECME 400 LEC Marine Steam Plants and Comp     | 3         | 3          | 4.50         | 3.50         | ECEE 400 LEC Electronics                        | 2         | 1         | 3.00         | 2.50         | ECES 401 LEC Machine Elements               | 2         | 0         | 2.00         | 2.00         |
| ECME 410 LAB Marine Steam Plant Simulation    | 0         | 3          | 1.50         | 0.50         | ECEM 400 LEC Marine Engineering Managemer       | 1         | 2         | 3.00         | 2.00         | ECME 460 LAB Marine Engineering License     | 1         | 2         | 3.00         | 0.50         |
| ECME 420 LEC Internal Combustion Engines      | 3         | 3          | 4.50         | 3.50         | ECME 450 LEC Gas Turbines and marine Auxilia    | 3         | 3         | 4.50         | 3.50         | NAUT 420 LEC Advanced Firefighting          | 1         | 1         | 2.00         | 1.50         |
| ECME 431 LEC Marine Refrigeration             | 2         | 3          | 3.50         | 2.50         | ECME 470 LEC Marine Plant Automation and Co     | 2         | 3         | 3.50         | 2.50         | NASC 410 LEC Naval Science Senior Semin     | 2         | 0         | 2.00         | 2.00         |
| ECME 440 LAB Engine Room Resource Manage      | 0         | 4          | 4.00         | 1.00         | ECNA 401 LEC Naval Architecture for Marine En   | 3         | 0         | 2.50         | 2.50         | HIST 410 LEC Modern World History           | 3         | 0         | 3.00         | 3.00         |
| <b>Free Elective</b>                          | <b>3</b>  | <b>0</b>   | <b>3.00</b>  | <b>3.00</b>  | <b>Free Elective</b>                            | <b>3</b>  | <b>0</b>  | <b>3.00</b>  | <b>3.00</b>  | <b>Free Elective</b>                        | <b>3</b>  | <b>0</b>  | <b>3.00</b>  | <b>3.00</b>  |
|   | <b>11</b> | <b>16</b>  | <b>21.00</b> | <b>14.00</b> |   | <b>14</b> | <b>9</b>  | <b>19.50</b> | <b>16.00</b> |   | <b>12</b> | <b>3</b>  | <b>15.00</b> | <b>12.00</b> |

Total In-Resident Credits 143.00  
Total Credits **163.00**

**Office of the Registrar**  
United States Merchant Marine Academy

**Class of 2021 & 2022 B**

**Major: Marine Engineering**

| <b>Term 1</b>                                 |           |            |              |              | <b>Term 2</b>                                  |           |            |              |              | <b>Term 3</b>                                   |           |            |                           |              |
|---|-----------|------------|--------------|--------------|--|-----------|------------|--------------|--------------|---|-----------|------------|---------------------------|--------------|
| <b>C</b>                                      | <b>L</b>  | <b>Chr</b> | <b>CR</b>    |              | <b>C</b>                                       | <b>L</b>  | <b>Chr</b> | <b>CR</b>    |              | <b>C</b>  | <b>L</b>  | <b>Chr</b> | <b>CR</b>                 |              |
| ECME 101 LEC Introduction to Marine Engineeri | 3         | 3          | 4.50         | 3.50         | ECME 105 LEC Introduction to Marine Engineeri  | 3         | 3          | 4.50         | 3.50         | ECEE 100 LEC Introduction to Electrical I       | 3         | 2          | 4.00                      | 3.50         |
| NAUT 101 LEC Introduction to Nautical Science | 2         | 2          | 4.00         | 3.00         | ECMT 111 LAB Engineering Shop I                | 0         | 3          | 3.00         | 1.00         | ECMT 100 LAB Engineering Graphics               | 0         | 2          | 2.00                      | 1.00         |
| MATH 101 LEC Calculus 1                       | 3         | 0          | 3.00         | 3.00         | MATH 120 LEC Calculus 2                        | 3         | 0          | 3.00         | 3.00         | ECMT 112 LAB Engineering Shop II                | 0         | 3          | 3.00                      | 1.00         |
| CHEM 100 LEC General Chemistry                | 3         | 2          | 5.00         | 4.00         | PHYS 110 LEC Physics 1                         | 3         | 2          | 4.50         | 3.00         | ECES 100 LEC Statics                            | 3         | 0          | 3.00                      | 3.00         |
| LITR 101 LEC Composition & Literature         | 3         | 0          | 3.00         | 3.00         | HIST 100 LEC History of Sea Power              | 3         | 0          | 3.00         | 3.00         | WTRF 100 LEC Safety of Life at Sea              | 1         | 2          | 3.00                      | 2.00         |
| PE&A 110 LAB Basic Swimming                   | 0         | 2          | 2.00         | 1.00         | NASC 100 LEC Introduction to Naval Science     | 2         | 0          | 2.00         | 2.00         | NAUT 110 LEC Basic Firefighting and Sa          | 2         | 0          | 2.00                      | 2.00         |
| CMDT100 Social Responsibility                 |           |            |              | 0.00         | PE&A 130 LAB Aquatic Survival                  | 0         | 2          | 2.00         | 1.00         | PHYS 120 LEC Physics 2                          | 3         | 2          | 4.50                      | 3.00         |
|   |           |            |              |              | MLOG 120 VPDS                                  | 0         | 1          | 1.00         | 0.00         | PE&A 120 LAB First Aid                          | 0         | 2          | 1.00                      | 0.50         |
|   |           |            |              |              | BUSN101 Principles of Leadership               | 1         | 0          | 1.00         | 1.00         | PE&A 125 LAB Self Defense Tactics               | 0         | 2          | 1.00                      | 0.50         |
|   | <b>14</b> | <b>9</b>   | <b>21.50</b> | <b>17.50</b> |  | <b>15</b> | <b>11</b>  | <b>24.00</b> | <b>17.50</b> |   | <b>12</b> | <b>15</b>  | <b>23.50</b>              | <b>16.50</b> |
| <b>Term 4</b>                                 |           |            |              |              | <b>Term 5</b>                                  |           |            |              |              | <b>Term 6</b>                                   |           |            |                           |              |
| <b>C</b>                                      | <b>L</b>  | <b>Chr</b> | <b>CR</b>    |              | <b>C</b>                                       | <b>L</b>  | <b>Chr</b> | <b>CR</b>    |              | <b>C</b>  | <b>L</b>  | <b>Chr</b> | <b>CR</b>                 |              |
| EPRJ 210 PRJ Machine Shop Sea Project         |           |            | 1.00         |              | ECES 210 LEC Dynamics                          | 2         | 0          | 2.00         | 2.00         | EPRJ 310 PRJ Maintenance Management             |           |            | 1.00                      |              |
| EPRJ 230 PRJ Main Propulsion 1 Sea Project    |           |            | 2.00         |              | ECES 201 LEC Thermodynamics                    | 3         | 0          | 3.00         | 3.00         | EPRJ 320 PRJ Naval Arch Sea Project             |           |            | 1.00                      |              |
| EPRJ 240 PRJ Shipboard Systems 1 Sea Project  |           |            | 2.00         |              | ECDL 400 LEC Basic Tanker Operations-Danger    | 2         | 0          | 2.00         | 2.00         | EPRJ 330 PRJ Marine Propulsion 2 Sea Project    |           |            | 2.50                      |              |
| NPRJ 245 PRJ Deck Operations                  |           |            | 1.00         |              | MATH 220 LEC Differential Equations 1          | 3         | 0          | 3.00         | 3.00         | EPRJ 335 PRJ Refrigeration Sea Project          |           |            | 1.00                      |              |
|   |           |            |              |              | CHEM 200 LEC Chemistry for Marine Engineers    | 3         | 2          | 3.50         | 3.00         | EPRJ 340 PRJ Shipboard Systems II Sea Project   |           |            | 2.00                      |              |
|   |           |            |              |              | NASC 200 LEC Strategic Sealift                 | 2         | 0          | 2.00         | 2.00         | EPRJ 345 PRJ Electrical Engineering Sea Project |           |            | 1.00                      |              |
|   |           |            |              |              | BUSN201 Maritime Leadership and Managemen      | 2         | 0          | 2.00         | 2.00         |   |           |            |                           |              |
|   | <b>0</b>  | <b>0</b>   | <b>0.00</b>  | <b>6.00</b>  |  | <b>17</b> | <b>2</b>   | <b>17.50</b> | <b>17.00</b> |   | <b>0</b>  | <b>0</b>   | <b>0.00</b>               | <b>8.50</b>  |
| <b>Term 7</b>                                 |           |            |              |              | <b>Term 8</b>                                  |           |            |              |              | <b>Term 9</b>                                   |           |            |                           |              |
| <b>C</b>                                      | <b>L</b>  | <b>Chr</b> | <b>CR</b>    |              | <b>C</b>                                       | <b>L</b>  | <b>Chr</b> | <b>CR</b>    |              | <b>C</b>  | <b>L</b>  | <b>Chr</b> | <b>CR</b>                 |              |
| EPRJ350 PRJ Marine Propulsion 3 Sea Project   |           |            | 2.50         |              | ECEE 200 LEC Electric Circuits                 | 2         | 2          | 3.00         | 2.50         | ECES 300 LEC Strength of Materials              | 3         | 2          | 4.00                      | 3.50         |
| NPRJ 340 PRJ Maritime Business                |           |            | 1.00         |              | ECES 220 LEC Introduction to Materials Enginee | 2         | 0          | 2.00         | 2.00         | ECES 310 LEC Heat Transfer                      | 3         | 0          | 3.00                      | 3.00         |
| HPRJ 300 PRJ Humanities Sea Project           |           |            | 1.00         |              | ECES 221 LAB Introduction to Materials Enginee | 0         | 2          | 1.00         | 0.50         | ECEE 300 LEC Electric Machines                  | 3         | 2          | 4.00                      | 3.50         |
| INSP100 PRJ Internship                        |           |            | 1.00         |              | ECES 230 LEC Fluid Mechanics                   | 3         | 2          | 4.00         | 3.50         | LITR 201 LEC Literature                         | 3         | 0          | 3.00                      | 3.00         |
|   |           |            |              |              | BUSN 210 Principles of Economics               | 3         | 0          | 3.00         | 3.00         | NASC 400 LEC Naval Leadership & Ethic           | 2         | 0          | 2.00                      | 2.00         |
|   |           |            |              |              | MATH 210 LEC Probability & Statistics          | 3         | 0          | 3.00         | 3.00         |   |           |            |                           |              |
|   |           |            |              |              | LITR 220 LEC Technical & Professional Commur   | 2         | 0          | 2.00         | 2.00         |   |           |            |                           |              |
|   | <b>0</b>  | <b>0</b>   | <b>0.00</b>  | <b>5.50</b>  |  | <b>15</b> | <b>6</b>   | <b>18.00</b> | <b>16.50</b> |   | <b>14</b> | <b>4</b>   | <b>16.00</b>              | <b>15.00</b> |
| <b>Term 10</b>                                |           |            |              |              | <b>Term 11</b>                                 |           |            |              |              | <b>Term 12</b>                                  |           |            |                           |              |
| <b>C</b>                                      | <b>L</b>  | <b>Chr</b> | <b>CR</b>    |              | <b>C</b>                                       | <b>L</b>  | <b>Chr</b> | <b>CR</b>    |              | <b>C</b>  | <b>L</b>  | <b>Chr</b> | <b>CR</b>                 |              |
| ECME 400 LEC Marine Engineering Managemer     | 1         | 2          | 3.00         | 2.00         | ECEE 400 LEC Electronics                       | 2         | 1          | 3.00         | 2.50         | ECES 401 LEC Machine Elements                   | 2         | 0          | 2.00                      | 2.00         |
| ECME 400 LEC Marine Steam Plants and Comp     | 3         | 3          | 4.50         | 3.50         | ECME 420 LEC Internal Combustion Engines       | 3         | 3          | 4.50         | 3.50         | ECME 460 LAB Marine Engineering Licer           | 1         | 2          | 3.00                      | 0.50         |
| ECME 410 LAB Marine Steam Plant Simulation    | 0         | 3          | 1.50         | 0.50         | ECME 431 LEC Marine Refrigeration              | 2         | 3          | 3.50         | 2.50         | NAUT 420 LEC Advanced Firefighting              | 1         | 1          | 2.00                      | 1.50         |
| ECME 450 LEC Gas Turbines and marine Auxilia  | 3         | 3          | 4.50         | 3.50         | ECME 440 LAB Engine Room Resource Manage       | 0         | 4          | 4.00         | 1.00         | NASC 410 LEC Naval Science Senior Se            | 2         | 0          | 2.00                      | 2.00         |
| ECNA 401 LEC Naval Architecture for Marine En | 3         | 0          | 2.50         | 2.50         | ECME 470 LEC Marine Plant Automation and Cc    | 2         | 3          | 3.50         | 2.50         | HIST 410 LEC Modern World History               | 3         | 0          | 3.00                      | 3.00         |
| <b>Free Elective</b>                          | <b>3</b>  | <b>0</b>   | <b>3.00</b>  | <b>3.00</b>  | PE&A 200 LAB Medical Care Provider             | 0         | 2          | 2.00         | 1.00         | <b>Free Elective</b>                            | <b>3</b>  | <b>0</b>   | <b>3.00</b>               | <b>3.00</b>  |
|   |           |            |              |              | <b>Free Elective</b>                           | <b>3</b>  | <b>0</b>   | <b>3.00</b>  | <b>3.00</b>  |   |           |            |                           |              |
|   | <b>13</b> | <b>11</b>  | <b>19.00</b> | <b>15.00</b> |  | <b>12</b> | <b>16</b>  | <b>23.50</b> | <b>16.00</b> |   | <b>12</b> | <b>3</b>   | <b>15.00</b>              | <b>12.00</b> |
|   |           |            |              |              |  |           |            |              |              |   |           |            | Total In-Resident Credits | 143.00       |
|   |           |            |              |              |  |           |            |              |              |   |           |            | Total Credits             | 163.00       |