

CAMPUS LOCATION: Dover COURSE SEQUENCE SHEET

Curriculum: **Energy Management** Curriculum Code Designation: **NRGAASNRG**

Effective: 2023-51

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Name: |  |  | [ ] No developmental education requirements | |  | | --- | | [ ] ENG 011 | |  | |  | |  | | [ ] MAT 052  [ ] MAT 062  [ ] MAT 099 |
| ID#: |  |  |  |  |
|  |  |  |  |  |
| Matriculation Date: |  |  |  |  |

**SSC 100 is a prerequisite for all developmental and 100-level courses.**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  | | SEMESTER | |  | |  |  |  |
| **COURSE NUMBER AND TITLE** | **Credit** | **Lecture** | | **Lab** | **Offered** | **Completed** | **Grade** | PREREQUISITES | | | **COREQUISITES** |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **FIRST SEMESTER (FALL)** | | | | | | | | |
| SSC 100 First Year Seminar | 1 | 1 | 0 |  |  |  | None |  |
| NRG 101 Intro to Energy Management | 3 | 2 | 2 | Fall, Spring |  |  | MAT 152 or higher or concurrent |  |
| MAT 152 Quantitative Reasoning OR  MAT 183 Reasoning with Functions I | 3  5 | 3  5 | 0  0 | All |  |  | Test Score or MAT 010 or MAT 052 or concurrent  Test Score or MAT 099 or concurrent |  |
| DAT101 Int. to Data Analytics/Visualization | 3 | 2 | 3 | All |  |  | MAT 152 or higher concurrently |  |
| PHY 120 Energy Physics | 3 | 3 | 1 | Fall |  |  | SSC 100 or concurrent |  |
| ENG 101 Composition I | 3 | 3 | 0 | All |  |  | Test score or ENG 011 or concurrent |  |
| TOTAL | 16/18 | 14/16 | 6 |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **SECOND SEMESTER (SPRING)** | | | | | | | | |
| NRG 126 Fundamentals of HVAC Systems | 4 | 3 | 3 | Spring |  |  | NRG 101, MAT 152 or higher, PHY 120 |  |
| AET 164 Architectural CAD Applications  OR ELM 130 Industrial Networks | 3  3 | 2  2 | 4  3 | Fall, Spring |  |  | SSC 100 or concurrent  MAT 180 or concurrent |  |
| NRG 111 Res/Light Comm Energy Analysis | 3 | 2 | 2 | Spring |  |  | NRG 101 |  |
| NRG 154 Alternative Energy Technologies | 3 | 2 | 2 | Spring |  |  | OAT 152 or DAT 101, NRG 101 |  |
| NRG 223 Energy Control Strategies | 3 | 2 | 2 | Spring |  |  | NRG 101, NRG 126 or concurrent |  |
| **TOTAL** | 16 | 11 | 12/13 |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **THIRD SEMESTER (FALL)** | | | | | | | | |
| NRG 226 Building Mech/Electrical Systems Analysis | 4 | 3 | 2 | Fall |  |  | NRG 126 |  |
| NRG 233 Lighting Applications | 4 | 3 | 2 | Fall |  |  | NRG 101, PHY 120, MAT 152 or higher |  |
| NRG 250 Energy Acct. & Invest. Analysis | 4 | 3 | 2 | Fall |  |  | ENG 101, MAT 152 or higher, NRG 111, OAT 152 or DAT 101 |  |
| ENG 102 Composition II | 3 | 3 | 3 | All |  |  | ENG 101 |  |
| NRG 108 Safety Basics | 1 | 1 | 1 | Fall |  |  | SSC 100 or concurrent |  |
| SOC 103 Sustainability & Society | 3 | 3 | 0 | All |  |  | SSC 100 or concurrent |  |
| **TOTAL** | 19 | 16 | 10 |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **FOURTH SEMESTER (SPRING)** | | | | | | | | |
| NRG 214 Capstone in Energy Use Analysis | 6 | 4 | 5 | Spring |  |  | NRG 226, NRG 250, NRG 233, NRG 223, NRG 108, ENG 122 or concurrent |  |
| ENG 122 Tech Writing & Communication | 3 | 3 | 0 | Fall, Spring |  |  | ENG 102 |  |
| BUS 101 Intro to Business OR  ENT 101 Intro to Entrepreneurship OR  CMT242 Construction Project Management I | 3  3  3 | 3  3  2 | 0  0  2 | All |  |  | SSC 100 or concurrent  SSC 100 or concurrent  CMT234 or (NRG101 and DAT 101) |  |
| Social Science Elective\* | 3 | 3 | 0 | All |  |  |  |  |
| NRG 206 Work Experience: Energy Mgmt | 3 | 0 | 9 | Fall, Spring |  |  | NRG 126 |  |
| TOTAL | 18 | 9/10 | 14/16 |
| GRAND TOTAL | 69/71 | 50-53 | 42/45 |

**\*Student must choose one of the following**: COM 111 Human Communications OR PSY 100 Human Relations OR PSY 121 General Psychology OR ECO 111 Macroeconomics OR ECO 122 Microeconomics OR GIS 101 Introduction to GIS OR SOC 104 Human Geography OR CLT 110 Cross Cultural Immersion

\*If there is an or statement, please consult your program advisor. All students pursuing articulations should also see a program advisor.