

CAMPUS LOCATION: Georgetown, Dover, Stanton COURSE SEQUENCE SHEET

Curriculum: Electronics Engineering Technology Curriculum Code Designation: **EENAASEEN**

Effective: 2023-52

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

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

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|  |  |  |  | SEMESTER | |  | |  |  |  |
| **COURSE NUMBER AND TITLE** | **Credits** | **Lecture** | **Lab** | **Offered** | **Completed** | **Grade** | PREREQUISITES | | | **CO-REQUISITES** |

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| **FIRST SEMESTER (FALL)** | | | | | | | | |
| SSC 100 First Year Seminar | 1 | 1 | 0 |  |  |  | None |  |
| ELC 127 Digital Electronics | 4 | 3 | 3 | Fall |  |  | SSC 100 or concurrent, MAT 099 or concurrent, CEN 100 or concurrent |  |
| Social Science/Humanities Elective | 3 | 3 | 0 | Fall |  |  | As Required |  |
| MAT 183 Reasoning with Functions I | 5 | 5 | 0 | Fall |  |  | Test score or MAT 099 |  |
| CEN 100 Intro to Electronics & Computer Eng Tech | 3 | 2 | 2 | Fall |  |  | SSC 100 or concurrent, MAT 099 or concurrent |  |
| TOTAL | 16 | 14 | 5 |

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| **SECOND SEMESTER (SPRING)** | | | | | | | | |
| ENG 101 Composition I | 3 | 3 | 0 | Spring |  |  | Test scores or ENG 011 or concurrent |  |
| ELC 126 Analog Electronics I | 3 | 2 | 2 | Spring |  |  | ELC 125 or concurrent, MAT 183 or concurrent |  |
| ELC 125 Electrical Circuits I | 4 | 3 | 3 | Spring |  |  | CEN 100 or concurrent, MAT 183 or concurrent |  |
| CEN 180 C/C++ Language Introduction | 4 | 3 | 2 | Spring |  |  | ELC 125 or concurrent |  |
| MAT 193 Reasoning with Functions II | 4 | 4 | 0 | Spring |  |  | MAT 183 |  |
| TOTAL | 18 | 15 | 7 |

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| **THIRD SEMESTER (FALL)** | | | | | | | | |
| ELC 225 Electrical Circuits II | 4 | 3 | 3 | Fall |  |  | ELC 125, MAT 190 or MAT 193 or concurrent |  |
| ELC 227 Microcontroller Fundamentals | 3 | 2 | 3 | Fall |  |  | ELC 125, ELC 127, CEN 180 |  |
| ENG 102 Composition and Research | 3 | 3 | 0 | Fall |  |  | ENG 101 |  |
| PHY 205 General Physics I | 4 | 3 | 3 | Fall |  |  | MAT 183 |  |
| ELC 226 Analog Electronics II | 3 | 2 | 2 | Fall |  |  | ELC 126, MAT 190 or MAT 193 or concurrent, ELC 225 or concurrent |  |
| TOTAL | 17 | 13 | 11 |

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| **FOURTH SEMESTER (SPRING)** | | | | | | | | |
| ELC 228 Microcontroller Applications | 4 | 3 | 4 | Spring |  |  | ELC 227 |  |
| Social Science/Humanities Elective | 3 | 3 | 0 | Spring |  |  | As Required |  |
| ELC 243 Programmable Logic Controllers | 4 | 3 | 3 | Spring |  |  | ELC 125, ELC 127, CEN 180 |  |
| ELC 236 Analog Electronics III | 4 | 3 | 2 | Spring |  |  | ELC 226 |  |
| TOTAL | 15 | 12 | 9 |
| **GRAND TOTAL** | 66 | 54 | 32 |

**Select two (2) Social Science electives from this list of nine (9) approved electives. These electives may be taken at any time (after satisfying test scores and/or prerequisites \*):**  
ECO 111 Macroeconomics

ECO 122 Microeconomics

PHL 103 Introduction to Ethics

PHL 104 Introduction to Philosophy

POL 111 Political Science

PSY 100 Human Relations

PSY 121 General Psychology

SOC 111 Sociology I

COM 111 Human Communications