Work Sheet

## Diploma Degree in Electrical Engineering Technology (65 Credit Hours) - Work Sheet

### Minimum Technology Core Requirements (32 - 33 credits)

| | Course Code | Course Title | CR | Pre-Req, ConP | Other Information | Term | Comments |
|---|---|---|---|---|---|---|---|
| **Linear Circuits Analysis (8 credits):** | | | | | | | |
| ☐ | **ECET 107** | Introduction to Circuit Analysis I+ Lab | 4 | ConP: MA 159 or MA 165 | | | |
| **or** | | | | | | | |
| ☐ | **ECET 201** | Linear Circuit Analysis I | 3 | ConP: MA 165 or MA 227 | | | |
| ☐ | **ECET 200** | Electronic Measurement Techniques Lab | 1 | ConP: ECET 201 | | | |
| **and** | | | | | | | |
| ☐ | **ECET 152** | Electric Circuits II | 4 | Pre: CPET 101, or ECET 107 or ECET 201<br>ConP: MA 159 or MA 165 | | | |
| **or** | | | | | | | |
| ☐ | **ECET 207** | AC Electronic Circuit Analysis + Lab | 4 | Pre: CPET 101 or ECET 107, or ECET 201<br>ConP: MA 159 or MA 165 | | | |
| **or** | | | | | | | |
| ☐ | **ECET 202** | Linear Circuits Analysis II | 3 | Pre: CPET 101, or ECET 107 or ECET 201<br>ConP: MA 165, or MA 227 | | | |
| ☐ | **ECET 203** | Linear Circuits Analysis II Lab | 1 | Pre: ECET 200 or CPET 101 or ECET 107,<br>ConP: ECET 202 | | | |
| **Electronic Circuits Analysis(4 credits):** | | | | | | | |
| ☐ | **ECET 204** | Analog Electronics II | 4 | Pre: ECET 152 or ECET 207, or ECET 202<br>MA 159, or MA 165 | | | |
| **or** | | | | | | | |
| ☐ | **ECET 255** | Introduction to Electronic Analysis and Design | 3 | Pre: CPET 101 or ECET 107 or ECET 201<br>ConP: MA 165 or MA 227 | | | |
| ☐ | **ECET 208** | Electronic Devices and Design Laboratory | 1 | Pre: ECET 200, or CPET 101 or ECET 107,<br>ConP: ECET 255 | | | |
| **Digital Logic Circuits (4 credits):** | | | | | | | |
| ☐ | **ECET 111** | Introduction to Digital System Design I | 4 | None | | | |

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| **Microcontrollers and System Interfacing (4 credits):** | | | | | | | |
| ☐ | **ECET 209** | Microprocessor Systems and Interfacing | 4 | Pre: ECET 111 ,<br>ConP: ENG 200 | | | |
| **Electric Power Control (4 credits):** | | | | | | | |
| ☐ | **ECET 231** | Electrical Power Control + Lab | 4 | Pre: ECET 204 or ECET 255 and, MA 227 or MA 165 | | | |
| **or** | | | | | | | |
| ☐ | **ECET 321** | Electromechanical Motion Devices | 3 | Pre: ECET 152, or ECET 202 | | | |
| ☐ | **ECET 323** | Electromechanical Motion Devices and Systems Laboratory | 1 | ConP: ECET 321 | | | |
| **Computer Programming Fundamentals(3 credits):** | | | | | | | |
| ☐ | **ENG 200** | Programming Applications for Engineering | 3 | Pre: ET 106 or ET 131 | | | |
| **Engineering Technology Project (3 credits):** | | | | | | | |
| ☐ | **ECET 297** | Electronic system Design + Lab | 3 | Pre: ECET 204 or ECET 255 and ECET 208 | | | |
| **Engineering Technology Foundation (2-3 credits):** | | | | | | | |
| ☐ | **ET 131** | Transforming Ideas to Innovations I | 2 | None | | | |
| **or** | | | | | | | |
| ☐ | **ET 106** | Introduction to Engineering Technology | 3 | None | | | |

Technology Core Req. Credits Planned (32-33) : _____ Credits Completed: _____ Credits Remaining: _____

## Mathematics and Science Requirements (12 - 13 credits)

### Quantitative Reasoning (8 – 9 credits):

| | Course Code | Course Title | CR | Pre-Req, ConP | Other Information | Term | Comments |
|---|---|---|---|---|---|---|---|
| ☐ | **MA 159** | Precalculus | 5 | None | | | |
| ☐ | **MA 227** | Calculus for Technology I | 4 | Pre: Placement Test or MA 158 or MA 159 or MAT 110 | | | |
| **or** | | | | | | | |
| ☐ | **MA 165** | Analytic Geometry and Calculus I | 4 | Pre: Placement Test or Pre: MA 158, or MAT 110 or MA 159 | | | |
| ☐ | **MA 166** | Analytic Geometry and Calculus II | 4 | Pre: MA 165 or MA 227 | | | |

Quantitative Reasoning Credits Planned: _____ Credits Completed: _____ Credits Remaining: _____

### Scientific Ways of Knowing (4 credits):

| | Course Code | Course Title | CR | Pre-Req, ConP | Other Information | Term | Comments |
|---|---|---|---|---|---|---|---|
| ☐ | **PHYS 218** | Modern Mechanics | 4 | Pre: MA 159 or MA 161 or MA 223 or ConP: MA 165 or MA 227 | | | |
| **or** | | | | | | | |
| ☐ | **CHM 115** | General Chemistry I | 4 | ConP: MA 159 MA 165 or MA 227 | | | |

Scientific Ways of Knowing Credits Planned: _____ Credits Completed: _____ Credits Remaining: _____

## Liberal Arts Requirements (19-21 credits)

### English Language and Communications Skills (9 – 10 credits):

| | Course Code | Course Title | CR | Pre-Req, ConP | Other Information | Term | Comments |
|---|---|---|---|---|---|---|---|
| ☐ | **ENGL 100** | English for Academic Studies | 3 | None | | | |
| ☐ | **COM 114** | Fundamentals of Speech Communication | 3 | Pre: ENGL 100 | | | |
| **and** | | | | | | | |
| ☐ | **ENGL 107** | First Year Composition | 4 | Pre: ENGL 100 | | | |
| **or** | | | | | | | |
| ☐ | **ENGL 106** | English Composition | 3 | Pre: ENGL 100 | | | |

### General Education Electives (10 - 12 credits):

| | Course Code | Course Title | CR | Pre-Req, ConP | Other Information | Term | Comments |
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Liberal Arts Credits Planned: _____ Credits Completed: _____ Credits Remaining: _____

**Total Credits Required for Degree: 65** **Total Credits Planned: _____** **Total Credits Completed: _____** **Total Credits Remaining: _____**