

# APPLIED ENGINEERING TECHNOLOGY DIPLOMA

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Program Code: D40130

| Course                | Title  | Hours     |
|-----------------------|--|-----------|
| <b>First Year</b>     |  |           |
| <b>Fall</b>           |  |           |
| AHR-120               | HVACR Maintenance  | 2         |
| AHR-160               | Refrigerant Certification  | 1         |
| CIS-110               | Introduction to Computers  | 3         |
| ELC-131               | Circuit Analysis I   | 4         |
| WLD-112               | Basic Welding Processes  | 2         |
| ENG-111               | Writing and Inquiry  | 3         |
| <b>Hours</b>          |  | <b>15</b> |
| <b>Spring</b>         |  |           |
| ISC-112               | Industrial Safety  | 2         |
| MNT-120               | Industrial Wiring Methods  | 2         |
| BPR-115               | Electrical/Fluid Power Diagrams                                    | 2         |
| ELC-117               | Motors and Controls  | 4         |
| DFT-119               | Basic CAD  | 2         |
| MNT-110               | Introduction to Maintenance Procedures                             | 2         |
| MAT-121<br>or MAT-110 | Algebra/Trigonometry I<br>or Mathematical Measurement and Literacy | 3         |
| <b>Hours</b>          |  | <b>17</b> |
| <b>Second Year</b>    |  |           |
| <b>Fall</b>           |  |           |
| HYD-110               | Hydraulics/Pneumatics I  | 3         |
| ATR-112               | Introduction to Automation   | 3         |
| <b>Hours</b>          |  | <b>6</b>  |
| <b>Spring</b>         |  |           |
| MEC-111               | Machine Processes I  | 3         |
| <b>Hours</b>          |  | <b>3</b>  |
| <b>Total Hours</b>    |  | <b>41</b> |