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## Automation Engineer Technology

### Degree Pathway

A Certificate is outlined coursework that is designed to prepare a student to head out into the workforce in a short timeframe or for career advancement. This certificate totals 23 credit hours. Consult with an advisor for more information.

(T) are Systemwide Transfer Courses

(★) are recommended for this degree pathway.

| Required Courses  |                                  |              |   |
|---|----------------------------------|--------------|---|
| Course ID   | Course Title                     | Credit Hours | Notes   |
| AE100   | AC/DC Circuits                   | 4.00         | Fall 2026, Spring 2027                                  |
| AE101   | Digital Multimeter Principles    | 1.00         | Fall 2026, Spring 2027                                  |
| AE155   | Electrical Maintenance           | 3.00         | Fall 2026, Spring 2027<br>Prereq: AE100 AC/DC Circuits. |
| EE117   | Conduit Fabrication              | 1.00         | Fall 2026, Spring 2027                                  |
| EE126   | NEC Codeology                    | 1.00         | Fall 2026, Spring 2027                                  |
| ME106   | Industrial Fluid Power           | 3.00         | Fall 2026, Spring 2027                                  |
| ME110   | Fundamentals of Motor Controls   | 3.00         | Fall 2026, Spring 2027<br>Prereq: AE100 AC/DC Circuits. |
| TR100   | Technical Math                   | 3.00         | Fall 2026, Spring 2027                                  |
| TR121   | General Industrial Safety/OSHA10 | 1.00         | Summer 2026, Fall 2026                                  |
| Electives   |                                  |              |   |
| Course ID   | Course Title                     | Credit Hours | Notes   |
| <b>SH101 Public Speaking or SH210 Interpersonal Communication</b> |                                  | <b>3.00</b>  |   |
| SH101   | Public Speaking (T)              | 3.00         | Summer 2026, Fall 2026, Spring 2027                     |
| SH210   | Interpersonal Communication (T)  | 3.00         | Summer 2026, Fall 2026, Spring 2027                     |

**Total Credits: 23.00**