

**Industrial Technology-Mechatronics
Certificate
30 Credit Hours**

Program Sequence

Semester 1

| | | |
|--------|-----------------------------------|----------------|
| EN 101 | English Composition I | 3 credit hours |
| EG 103 | Electrical calculations | 3 credit hours |
| EG 105 | Industrial Safety | 1 credit hour |
| EG 107 | Introduction to Circuits | 4 credit hours |
| OR 105 | Orientation to Technical Programs | 1 credit hour |
| SP 103 | Speech Fundamentals | 3 credit hours |

Semester 2

| | | |
|--------|------------------------------|----------------|
| MT 124 | Technical Math | 3 credit hours |
| MX 110 | Introduction to Mechatronics | 2 credit hours |
| MX 120 | Mechanical Power I | 2 credit hours |
| MX 130 | Fluid Power I | 2 credit hours |
| MX 180 | PLC Fundamentals | 1 credit hour |
| MX 184 | PLC Interfacing and HMIS | 1 credit hour |
| MX 186 | PLC Applications | 1 credit hour |
| MX 190 | Industrial Robotics | 3 credit hours |