

**ASSOCIATE OF APPLIED SCIENCE
GENERAL TECHNOLOGY
PATHWAY TO INDUSTRIAL MAINTENANCE**

Cip Code: 30.9999; Degree Code: 0517

Student Name _____ Student ID _____ Advisor _____

AY2024-25

| Possible Prerequisites | | | Semester | Hours | Grade | ACTS |
|------------------------|------|-------------------------------|----------|-------|-------|------|
| ENG | 0051 | Writing Seminar | | NC | | |
| ENG | 0053 | English Fundamentals | | NC | | |
| MATH | 0021 | Foundations of Math Reasoning | | NC | | |
| MATH | 0083 | Math Fundamentals | | NC | | |

| Year 1 - First Semester (15 credit hours) | | | Semester | Hours | Grade | ACTS |
|---|------|--|----------|-------|-------|------|
| MATH | 1013 | Mathematical Applications or higher-level Math | | 3 | | |
| TECH | 1123 | Mechanical Drives I | | 3 | | |
| TECH | 1143 | Industrial Fluid Power I | | 3 | | |
| TECH | 1153 | Industrial Electricity I | | 3 | | |
| WELD | 1603 | Trade Skills | | 3 | | |

| Year 1 - Second Semester (15 credit hours) | | | Semester | Hours | Grade | ACTS |
|--|------|--|----------|-------|-------|----------|
| ENG | 1203 | Workplace Essentials or higher-level English | | 3 | | ENGL2023 |
| TECH | 1173 | Programmable Logic Controllers I | | 3 | | |
| TECH | 1183 | Industrial Motor Controls I | | 3 | | |
| TECH | 1243 | Industrial Fluid Power II | | 3 | | |
| TECH | 1253 | Industrial Electricity II | | 3 | | |

| Year 2 – First Semester (15 credit hours) | | | Semester | Hours | Grade | ACTS |
|---|------|---|----------|-------|-------|----------|
| MIS | 1033 | Choose one: Introduction to Computers | | 3 | | CPSI1003 |
| MIS | 1443 | Technical Computer Application | | | | |
| MIS | 1503 | Microcomputer Applications | | | | |
| TECH | 1223 | Mechanical Drives II | | 3 | | |
| TECH | 2083 | Industrial Fluid Power Troubleshooting | | 3 | | |
| TECH | 2173 | Programmable Logic Controllers II | | 3 | | |
| TECH | 2183 | Industrial Motor Controls II | | 3 | | |

| Year 2 – Second Semester (15 credit hours) | | | Semester | Hours | Grade | ACTS |
|--|------|---|----------|-------|-------|----------|
| | | 3 hours from Social Science HIST, GEOG, SOC, POSC, PSY prefixes | | 3 | | |
| ENG | 1003 | Composition I | | 3 | | ENGL1013 |
| TECH | 1193 | Industrial Process Controls | | 3 | | |
| ADVM | 1223 | Choose two: Manual Milling | | 6 | | |
| ADVM | 1233 | Manual Lathe | | | | |
| TECH | 1163 | Industrial Robotics | | | | |
| TECH | 1073 | Mechatronics | | | | |
| WELD | 1503 | Maintenance Welding | | | | |

Total Required Credit Hours (60)

Expected Graduation Date: _____

Student Signature: _____

Date: _____

Advisor Signature: _____

Date: _____