

Advanced Manufacturing: Machine Tool

***TO RECEIVE MERIT STUDENTS MUST RECEIVE 12 COLLEGE CREDITS**

**YEAR
1**

**AVAILABLE
COLLEGE
CREDIT**

- **MATERIALS, MEASUREMENT & SAFETY: 3 HOURS**
- **JOB PLANNING, BENCHWORK, AND LAYOUT: 4 HOURS**
- **TRADE SKILLS: 3 HOURS**

**YEAR
2**

**AVAILABLE
COLLEGE
CREDIT**

- **MANUAL MILLING: 3 HOURS**
- **MANUAL LATHE: 3 HOURS**
- **CNC MILLING: 4 HOURS**

**TOTAL HOURS AFTER
YEAR 2: 20**

Construction: HVACR

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**YEAR
1**

**AVAILABLE
COLLEGE
CREDIT**

- **INTRO TO AIR: 4 HOURS**
- **BASIC ELECTRICAL CIRCUITS: 3 HOURS**
- **BASIC ELECTRICAL LAB: 3 HOURS**

**YEAR
2**

**AVAILABLE
COLLEGE
CREDIT**

- **PREVENTATIVE MAINTENANCE: 3 HOURS**
- **SPLIT SYSTEMS: 3 HOURS**
- **SPLIT SYSTEMS LAB: 1 HOUR**

**TOTAL HOURS AFTER
YEAR 2: 17**

Industrial Technology

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1**

**AVAILABLE
COLLEGE
CREDIT**

- **MECHANICAL DRIVES I: 3 HOURS**
- **INDUSTRIAL ELECTRICITY I: 3 HOURS**
- **TRADE SKILLS: 3 HOUR**

**YEAR
2**

**AVAILABLE
COLLEGE
CREDIT**

- **FLUID POWER I: 3 HOURS**
- **MOTOR CONTROL I: 3 HOURS**
- **INDUSTRIAL ELECTRICITY II 4 HOURS**

**TOTAL HOURS AFTER
YEAR 2: 22**

Welding

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**AVAILABLE
COLLEGE
CREDIT**

- **MIG WELDING: 3 HOURS**
- **BLUEPRINT READING: 3 HOURS**
- **WELDING THEORY: 3 HOURS**

**YEAR
2**

**AVAILABLE
COLLEGE
CREDIT**

- **GAS SHIELD METAL ARC WELDING: 3 HOURS**
- **FABRICATION: 3 HOURS**
- **ARC WELDING: 3 HOURS**

**TOTAL HOURS AFTER
YEAR 2: 18**

Computer Science Information Technology & Security

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**YEAR
1**

**ALIGNMENT
IN
PROGRESS**

- PC TROUBLESHOOTING & REPAIR I: 3 HOURS
- INTRODUCTION TO NETWORKING: 3 HOURS

**YEAR
2**

**ALIGNMENT
IN
PROGRESS**

- PC TROUBLESHOOTING & REPAIR II: 3 HOURS
- INTRO TO NETWORKING SECURITY: 3 HOURS
- CABLING STANDARDS: 3 HOURS

**TOTAL HOURS AFTER
YEAR 2: 15**

Healthcare Services

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**YEAR
1**

**AVAILABLE
COLLEGE
CREDIT**

- FOUNDATIONS OF HUMAN A & P: 3 HOURS
- INTRO TO HEALTHCARE: 1 HOUR
- FIRST AID & SAFETY: 3 HOUR

**YEAR
2**

**AVAILABLE
COLLEGE
CREDIT**

- MEDICAL TERMINOLOGY: 3 HOURS
- MATH FOR HEALTHCARE PROFESSIONALS: 3 HOURS
- BASIC HUMAN NUTRITION: 3 HOURS

**TOTAL HOURS AFTER
YEAR 2: 16**

Automotive Service Technology

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**AVAILABLE
COLLEGE
CREDIT**

- **AUTOMOTIVE BRAKE SYSTEMS: 5 HOURS**
- **AUTOMOTIVE IGNITION SYSTEMS: 5 HOURS**
- **AUTOMOTIVE FUEL SYSTEMS: 3 HOURS**

**YEAR
2**

**AVAILABLE
COLLEGE
CREDIT**

- **AUTOMOTIVE ELECTRICAL SYSTEMS: 5 HOURS**
- **AUTOMOTIVE ELECTRICAL ACCESSORIES: 3 HOURS**
- **AUTOMOTIVE STEERING AND SUSPENSION: 6 HOURS**

**TOTAL HOURS AFTER
YEAR 2: 27**

Automotive Collision Repair

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**YEAR
1**

**AVAILABLE
COLLEGE
CREDIT**

- **PREPARATION AND REFINISH: 4 HOURS**
- **PLASTIC REPAIR: 4 HOURS**
- **NONSTRUCTURAL REPAIR: 4 HOURS**

**YEAR
2**

**AVAILABLE
COLLEGE
CREDIT**

- **BODY PANELS: 4 HOURS**
- **COMPLETE AUTO REFINISHING: 4 HOURS**
- **WELDING AND CUTTING: 3 HOURS**

**TOTAL HOURS AFTER
YEAR 2: 23**