# ENGINEERING AND MANUFACTURING

#### **Associate of Science**

 Associate of Science #8750 (http://catalog.lorainccc.edu/academicinformation/as/)

#### **Automation Engineering Technology**

- Automation Engineering Technology Maintenance Technician Short-term technical certificate #6181 (http://catalog.lorainccc.edu/ academic-programs/engineering-business-information-technologies/ automation-engineering-technology-maintenance-technician-shortterm-technical-certificate/)
- Automation Engineering Technologies Systems Specialist Major – Associate degree #6211 (http://catalog.lorainccc.edu/ academic-programs/engineering-business-information-technologies/ automation-engineering-technology-systems-specialist-aas/)
- Automation Engineering Technology Maintenance/Repair Associate degree #6210 (http://catalog.lorainccc.edu/academicprograms/engineering-business-information-technologies/ automation-engineering-technology-maintenancerepair-aas/)
- Smart Industrial Automated Systems Engineering Technology #9605 Bachelor of Applied Science (http://catalog.lorainccc.edu/academicprograms/engineering-business-information-technologies/smartindustrial-automated-systems-bas/)

#### Construction

- Construction Technology Construction and Renovation Tradesman – Short-term technical certificate #6175 (http:// catalog.lorainccc.edu/academic-programs/engineering-businessinformation-technologies/construction-technology-constructionrenovation-tradesman-short-term-technical-certificate/)
- Construction Technology Residential Building and Renovation One-year technical certificate #6176 (http://catalog.lorainccc.edu/ academic-programs/engineering-business-information-technologies/ construction-technology-residential-building-renovation-one-yeartechnical-certificate/)
- Construction Technology Construction Engineering Associate degree #6170 (http://catalog.lorainccc.edu/academic-programs/ engineering-business-information-technologies/construction-technology-construction-engineering-major-aas/)
- Construction Technology Construction Management Associate degree #6171 (http://catalog.lorainccc.edu/academic-programs/ engineering-business-information-technologies/constructiontechnology-construction-management-major-aas/)

### **Digital Fabrication**

 Digital Fabrication Technology - Digital Fabrication Major - Associate degree #6167 (http://catalog.lorainccc.edu/academic-programs/ engineering-business-information-technologies/digital-fabricationtechnologies-digital-fabrication-major-aas/)

### **Electronic Engineering Technology**

 Electronic Engineering Technology – Applied Electronics – One-year technical certificate #6309 (http://catalog.lorainccc.edu/academicprograms/engineering-business-information-technologies/electronicengineering-technology-applied-electronics-one-year-technical-certificate/)

- Electronic Engineering Technology Applied Electronics Associate degree #6310 (http://catalog.lorainccc.edu/academic-programs/ engineering-business-information-technologies/electronic- engineering-technology-applied-electronics-aas/)
- Manufacturing Engineering Technology Microelectronic Manufacturing - Bachelor of applied science #9601 (http:// catalog.lorainccc.edu/academic-programs/engineering-businessinformation-technologies/microelectronic-manufacturing-bas/)

### **Engineering Technology**

 Engineering Technology – General Technician – Short-term technical certificate #6050 (http://catalog.lorainccc.edu/academic-programs/ engineering-business-information-technologies/engineeringtechnology-general-technician-short-term-technical-certificate/)

## Manufacturing Engineering Technology

- Manufacturing Engineering Technology Computer Aided Machining Manufacturing Process – Short-term technical certificate #6012 (http://catalog.lorainccc.edu/academic-programs/engineeringbusiness-information-technologies/manufacturing-engineeringtechnology-computer-aided-machining-manufacturing-processesshort-term-technical-certificate/)
- Manufacturing Engineering Technology Computer-Aided Machining Operator – One-year technical certificate #6112 (http:// catalog.lorainccc.edu/academic-programs/engineering-businessinformation-technologies/manufacturing-engineering-technologycomputer-aided-machining-operator-one-year-technical-certificate/)
- Manufacturing Engineering Technology Computer Aided Machining
  Associate degree #6213 (http://catalog.lorainccc.edu/academicprograms/engineering-business-information-technologies/ manufacturing-engineering-technology-computer-aided-machiningaas/)
- Manufacturing Engineering Technology Industrial Electrical Technician – Short-term technical certificate #6015 (http:// catalog.lorainccc.edu/academic-programs/engineering-businessinformation-technologies/manufacturing-engineering-technologyindustrial-electrical-technician-short-term-technical-certificate/)
- Manufacturing Engineering Technology Industrial Electrical Technician – One-year technical certificate #6115 (http:// catalog.lorainccc.edu/academic-programs/engineering-businessinformation-technologies/manufacturing-engineering-technologyindustrial-electrical-technician-one-year-technical-certificate/)
- Manufacturing Engineering Technology Industrial Electrical Technician – Associate degree #6215 (http://catalog.lorainccc.edu/ academic-programs/engineering-business-information-technologies/ manufacturing-engineering-technology-industrial-electricaltechnician-aas/)
- Manufacturing Engineering Technology Industrial Mechanical Technician – Short-term technical certificate #6016 (http:// catalog.lorainccc.edu/academic-programs/engineering-businessinformation-technologies/manufacturing-engineering-technologyindustrial-mechanical-technician-short-term-technical-certificate/)
- Manufacturing Engineering Technology Industrial Mechanical Technician – One-year technical certificate #6116 (http:// catalog.lorainccc.edu/academic-programs/engineering-businessinformation-technologies/manufacturing-engineering-technologyindustrial-mechanical-technician-one-year-technical-certificate/)

- Manufacturing Engineering Technology Industrial Mechanical Technician – Associate degree #6216 (http://catalog.lorainccc.edu/ academic-programs/engineering-business-information-technologies/ manufacturing-engineering-technology-industrial-mechanicaltechnician-aas/)
- Manufacturing Engineering Technology Computer Aided Design Short-term technical certificate #6002 (http://catalog.lorainccc.edu/ academic-programs/engineering-business-information-technologies/ manufacturing-engineering-technology-computer-aided-design-shortterm-technical-certificate/)
- Manufacturing Engineering Technology Computer Aided Design Operator – One-year technical certificate #6111 (http:// catalog.lorainccc.edu/academic-programs/engineering-businessinformation-technologies/manufacturing-engineering-technologycomputer-aided-design-operator-one-year-technical-certificate/)
- Manufacturing Engineering Technology Mechanical Design Associate degree #6212 (http://catalog.lorainccc.edu/academicprograms/engineering-business-information-technologies/ manufacturing-engineering-technology-mechanical-design-aa/)
- Manufacturing Engineering Technology Quality Technician One-year technical certificate #6007 (http://catalog.lorainccc.edu/ academic-programs/engineering-business-information-technologies/ manufacturing-engineering-technology-quality-control-one-yeartechnical-certificate/)
- Manufacturing Engineering Technology Microelectronic Manufacturing -Bachelor of applied science #9601 (http:// catalog.lorainccc.edu/academic-programs/engineering-businessinformation-technologies/microelectronic-manufacturing-bas/)
- Manufacturing Engineering Technology Microelectronic Manufacturing – Associate degree #6520 (http:// catalog.lorainccc.edu/academic-programs/engineering-businessinformation-technologies/mechatronics-technology-microelectromechanical-systems-aas/)
- Manufacturing Engineering Technology Microelectronic Manufacturing – One-year technical certificate #6510 (http:// catalog.lorainccc.edu/academic-programs/engineering-businessinformation-technologies/mechatronics-technology-microelectromechanical-systems-one-year-technical-certificate/)
- Manufacturing Engineering Technology Microelectronic Manufacturing – Short-term technical certificate #6500 (http:// catalog.lorainccc.edu/academic-programs/engineering-businessinformation-technologies/mechatronics-technology-microelectromechanical-systems-short-term-technical-certificate/)
- Semiconductor Cleanroom Maintenance Technology One year technical certificate #6501 (http://catalog.lorainccc.edu/academicprograms/engineering-business-information-technologies/ semiconductor-cleanroom-maintenance-tech-oytc/)

#### Welding

- Welding Technology Advanced Welding Short-term technical certificate #6011 (http://catalog.lorainccc.edu/academic-programs/ engineering-business-information-technologies/welding-technologyadvanced-welding-short-term-technical-certificate/)
- Welding Technology Basic Welding Short-term technical certificate #6006 (http://catalog.lorainccc.edu/academic-programs/ engineering-business-information-technologies/welding-technologybasic-welding-short-term-technical-certificate/)
- Welding Technology Short-term technical certificate #6009 (http:// catalog.lorainccc.edu/academic-programs/engineering-business-

information-technologies/welding-technology-welding-short-term-technical-certificate/)

- Welding Technology Welding Visual Inspection --Short-term technical certificate #6013 (http://catalog.lorainccc.edu/academicprograms/engineering-business-information-technologies/weldingtechnology-welding-and-visual-inspection/)
- Welding Operator One-year technical certificate #6008 (http:// catalog.lorainccc.edu/academic-programs/engineering-businessinformation-technologies/welding-technology-welding-operator-oneyear-technical-certificate/)
- Welding Technology Associate degree #6410 (http:// catalog.lorainccc.edu/academic-programs/engineering-businessinformation-technologies/welding-technology-aas/)