

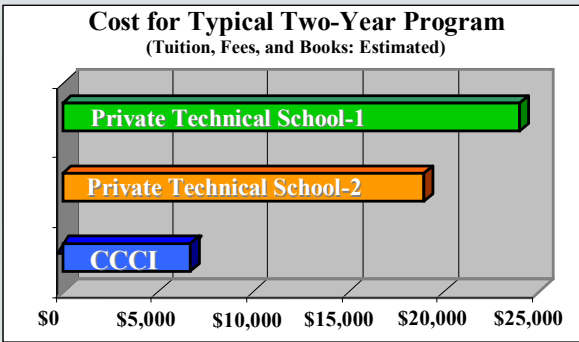


Crowder's Career Institute is designed around community needs and is managed and staffed by experienced industry professionals to get **RESULTS**.

Our graduates are **finding jobs...in this area...for good pay.** All this at a great

VALUE!

You can complete your AAS degree at **Crowder** for an estimated cost of **\$6,700** for in-district students or **\$8,400** for in-state students. This compares to the cost of similar programs at private technical schools of over **\$19,000**, according to their own web sites!



Typical Careers *

Electrical Repairs — Annually \$47,940
Ind. Equip Hourly \$ 23.05

Industrial Machinery Annually \$43,550
Mechanic Hourly \$ 20.94

* Source—Bureau of Labor Statistics, State of Missouri

CROWDER COLLEGE, 601 LACLEDE / NEOSHO, MO 64850

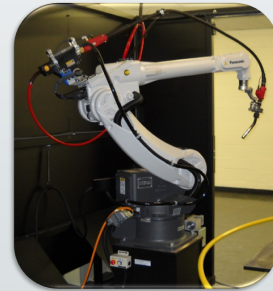
Gary Dake
A.M. Instructional Specialist
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Contact Us for More Information!



Crowder College Career Institute

Crowder College



**ADVANCED
MANUFACTURING
TECHNOLOGY
- ROBOTICS**

ASSOCIATE OF APPLIED SCIENCE DEGREE

Advanced Manufacturing Technology: Automation/Robotics Option

The Advanced Manufacturing Technology program prepares students for employment in industries with automated processes. Students will receive a well-rounded skill set that addresses the basic requirements of automated manufacturing. This particular option addresses automation and robotics as it applies to Advanced Manufacturing.

Basic Requirements for AAS 16 credit hours

Orientation — 1 hour

COLL 101 College Orientation (1)

Written Communications — 6 hours

ENGL 100 Mechanics of Composition (3)

ENGL 101 English Composition I (3)

ENGL 102 English Composition II (3)

ENGL 203 Technical Report Writing (3)

Oral Communications — 3 hours

SPCH 101 Fundamentals of Speech (3)

Mathematics — 3 hours

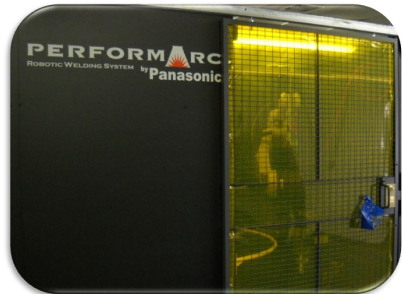
MATH 111 College Algebra (3)

Or MATH 104 Technical Mathematics (3)

Missouri Constitution — 3 hours

PLSC 103 National, State & Local Govt (3)

Or HIST 106 US History (3)



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Advanced Manufacturing Core 28 credit hours

CONS 105 Intro to Construction Technology (3)

AMT 102 Intro to Industrial Electricity (3)

AMT 104 Electrical Motor Controls (3)

AMT 204 Programmable Controllers (3)

AMT 142 Manufacturing Mechanics (3)

DRFT 101 Intro to Engineering Drawing (3)

CONS 155 Basic HVAC (3)

WELD 113 Intro to Welding (3)

DIES 134 Hydraulics (4)

Support Courses 9 credit hours

BSAD 125 Business Computer Applications (3)

BSAD 103 Professional Development (2)

BSAD 104 Intro to Computers (1)

AMT 122 Basic Machining (3)

Speciality Option 12 credit hours

CNS 101 Intro to Electronics (3)

AMT 182 Intro to Automated Robotics (3)

AMT 284 Automated Robotic Programming (3)

AMT 206 Programmable Controllers II (3)

Are you an employer wanting trained employees, but don't have the time?

Crowder College works with industry advisory panels to make sure our programs/courses are a good fit with local needs resulting in more knowledgeable, productive workers. In addition to the traditional hands-on skills necessary to complete the various tasks, students also learn and practice OSHA safety standards, job-related ethics, and other invaluable "soft" skills so necessary in today's manufacturing world. By encouraging / enabling current employees to enroll in Crowder's programs, employers are making an investment not only in the students' future, but in their own as well.

ADVANCED MANUFACTURING CERTIFICATES AVAILABLE:

Automation/Robotics Technician Certificate 31 Credit Hours

- ⇒ College Orientation
- ⇒ Practical Communications
- ⇒ College Algebra or Technical Math
- ⇒ Introduction to Industrial Electricity
- ⇒ Electrical Motor Controls
- ⇒ Introduction to Electronics
- ⇒ Programmable Controllers
- ⇒ Introduction to Automated Robotics
- ⇒ Automated Robotic Programming
- ⇒ Programmable Controllers II
- ⇒ Hydraulics

