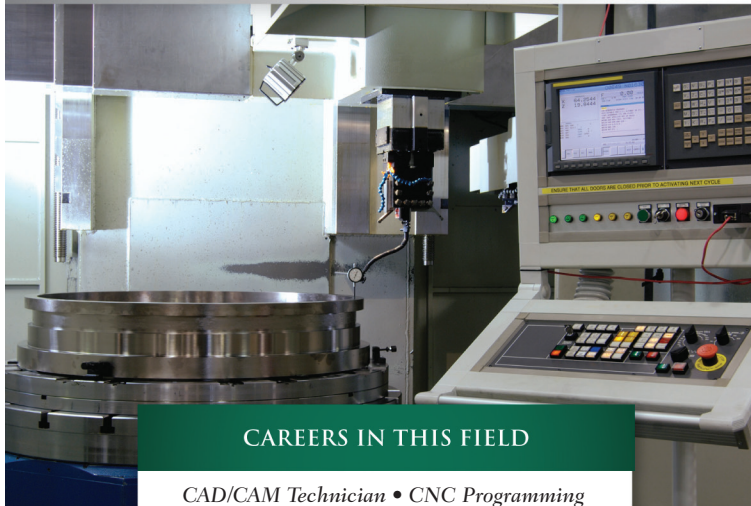


## ADVANCED MANUFACTURING



CAREERS IN THIS FIELD

CAD/CAM Technician • CNC Programming

### ASSOCIATE OF APPLIED SCIENCE (AAS) DEGREE

Two-year Associate of Applied Science degree programs prepare students for careers, career changes and career advancement. AAS programs may also prepare students for transfer to four-year institutions. The program content, which is approximately 30 percent general education, provides depth and breadth in conceptual and professional/technical skills. Professional/technical courses equip students with the skills to obtain employment and to advance in the workforce.

### ABOUT THE PROGRAM

Manufacturing employs more people than any other industry in the state of Indiana. This means there's a high demand for educated and skilled advanced manufacturing technicians. The nationally recognized and portable MSSC Certified Production Technician (CPT) certification is available to all students in the Advanced Manufacturing program, with successful completion of all four (4) of the MSSC Certified Production Technician certification exams.

### AREAS OF EMPHASIS

#### MANUFACTURING DESIGN

This emphasis prepares students to enter a variety of fields including CNC operations or programming, CAD/CAM specialties or commercial and industrial design. These students combine artistic talents with the latest technology for increased productivity in manufacturing settings.

#### PRODUCTION TECHNOLOGY

Production technology covers multiple technical competencies including robotics, industrial machinery installation, maintenance and repair, production processes and systems improvement, robotic design, assembly and operation and many more. Students have the skills and education to enter the industry of their choice with confidence in their ability to succeed.

#### MANUFACTURING OPERATIONS

With an emphasis in manufacturing operations, students will have an understanding of all factors affecting manufacturing, including global impact, environmental concerns, continuous process improvement, quality operations and lean manufacturing. As a quality technician or production supervisor, these students will ensure that the production processes and methods are followed correctly and improved often.

*Not all concentrations are offered at all campuses. Please contact the Columbus/Franklin Region of Ivy Tech Community College campus for more information.*

*To learn more about employment and salary information for careers in this field, visit the U.S. Department of Labor's Bureau of Labor Statistics website at [bls.gov](http://bls.gov) and the official career site of the State of Indiana, [indianacareerconnect.com](http://indianacareerconnect.com).*



[ivytech.edu](http://ivytech.edu)  
888-489-5463