

# AUTOMATION AND MANUFACTURING TECHNOLOGY

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## Associate of Applied Science Degree

### Certificates of Completion

- Automation and Manufacturing Technology
- Basic Manufacturing and Bridge

Automation and manufacturing is an evolving, high-tech field, with applications in areas as aerospace, production, and various manufacturing industries. It offers competitive salaries along with opportunities for rapid advancement. Automation and manufacturing technicians are often responsible for production operation, as well as equipment monitoring, adjustment, maintenance, and repair in both routine and emergency situations.

Using modern industrial production equipment, DACC's Automation and Manufacturing Technology program provides training for desirable entry-level positions as well as skills upgrading for those already working in the field. The program encourages the development of problem-solving skills, enabling students to adapt quickly to rapidly changing conditions brought on by new technologies.

Students learn about manufacturing production systems, including additive manufacturing and CNC machining. Hands-on preventive and corrective maintenance procedures are taught in modern laboratory facilities using the same state-of-the-art, production equipment found in the manufacturing industry.

Whether taking classes or working on a job site, students enrolled in this program will be required to perform the same job duties and be able to meet the same physical requirements that they will as a graduate in the field. Depending where they find employment, graduates may be required to lift and carry 50 pounds safely, to work safely using hand and power tools, to work safely on electrical equipment, to ascend and descend ladders, and to stand, squat, stoop, or kneel for long periods of time.