

ROBOTICS & MANUFACTURING DEPARTMENT

Robotics & Manufacturing prepares students for a wide variety of design, technology, and engineering positions across a range of industries. Certificate, associate of applied science, and bachelor of science completion degree options are available in 3D printing, automated systems & robotics, electronics technology, engineering drafting, industrial controls, industrial engineering technology, machining, and welding.

Throughout their program, students master the latest technologies from several disciplines, including computer-aided design, precision manufacturing, and industrial automation, allowing them to immediately contribute to the globally-competitive American manufacturing workforce. Dunwoody's lab spaces feature industry-leading equipment, much of it donated by industry partners. Instructors have industry experience and certifications.

Graduates of these programs are prominent in the industry, with many top Minnesota manufacturing companies owned or operated by department alumni. Both evening and day options are available for most programs.

Degrees Offered

- Automated Systems & Robotics (ASRO), AAS (<https://catalog.dunwoody.edu/catalog-student-handbook/academic-programs/robotics-manufacturing/automated-systems-robotics-asro-aas/>)
- Automation & Controls Engineering Technology (AENT), Bachelor of Science (<https://catalog.dunwoody.edu/catalog-student-handbook/academic-programs/engineering/automation-controls-engineering-technology/>)
- Design for Manufacturing 3D Printing (3DPT), Certificate (<https://catalog.dunwoody.edu/catalog-student-handbook/academic-programs/robotics-manufacturing/3dpt-printing-certificate/>)
- Electronics Engineering Technology (ELTT), AAS (<https://catalog.dunwoody.edu/catalog-student-handbook/academic-programs/robotics-manufacturing/electronics-engineering-technology-eltt-aas/>)
- Electronics Technology (IELT), AAS (<https://catalog.dunwoody.edu/catalog-student-handbook/academic-programs/robotics-manufacturing/electronics-technology-ielt-aas/>)
- Electronics Technology (IELT), Certificate (<https://catalog.dunwoody.edu/catalog-student-handbook/academic-programs/robotics-manufacturing/electronics-technology-ielt-certificate/>)
- Engineering Drafting & Design (MDES), AAS (<https://catalog.dunwoody.edu/catalog-student-handbook/academic-programs/robotics-manufacturing/engineering-drafting-design-mdes-aas/>)
- Industrial Controls & Robotics (ICON), AAS (<https://catalog.dunwoody.edu/catalog-student-handbook/academic-programs/robotics-manufacturing/industrial-controls-robotics-icon-aas/>)
- Industrial Controls (ICOT), Certificate (<https://catalog.dunwoody.edu/catalog-student-handbook/academic-programs/robotics-manufacturing/industrial-controls-robotics-icon-certificate/>)
- Industrial Engineering Technology (IENG), Bachelor of Science (<https://catalog.dunwoody.edu/catalog-student-handbook/academic-programs/engineering/industrial-engineering-technology-ieng-bachelor-science/>)
- Machine Tool Technology (MACH), AAS (<https://catalog.dunwoody.edu/catalog-student-handbook/academic-programs/robotics-manufacturing/machine-tool-technology-mach-aas/>)
- Right Skills Now for Manufacturing (CNC) (RSNM), Certificate (<https://catalog.dunwoody.edu/catalog-student-handbook/academic-programs/robotics-manufacturing/right-skills-now-manufacturing-cnc-rsnm-certificate/>)
- Welding & Metal Fabrication (WMET), AAS (<https://catalog.dunwoody.edu/catalog-student-handbook/academic-programs/robotics-manufacturing/welding-metal-fabrication-wmet-aas/>)
- Welding Technology (WELD), Certificate (<https://catalog.dunwoody.edu/catalog-student-handbook/academic-programs/robotics-manufacturing/welding-technology-certificate/>)