Computerized Numerical Control (CNC)

PURPOSE: The CNC program has long been recognized as the State’s center for training in numerical control. CNC is a program that uses a computer language consisting of numbers and codes to achieve automatic machine tool operation to manufacture parts to precise measurements. Students train on state-of-the-art equipment with lab conditions simulating those found in today’s industries. Students learn how to write programs using Computer Aided Drafting and Computer Aided Machining software (CAD/CAM), make their own setups, choose the correct machine for the job, and accurately measure the finished product.

Possible Occupations

- CNC Operators
- CNC Programmers
- Quality Control Technicians
- Computer-Controlled Machine Tool Operators, Metal and Plastic
- Numerical Tool and Process Control Programmers
- Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic

Industry Opportunities

- Fabricated metal products industries
- Transportation equipment industries
- Industrial machinery and equipment industries
- Rubber and plastic products industries
- Primary metals industries
- Machine shops
- Manufacturing firms
- Food, drug, and chemical industries
- Hospitals
- Educational institutions
- Transportation companies
- Government agencies

Degrees/Certificates offered at Shelton State:

- Computerized Numerical Control – ASSOCIATE IN APPLIED SCIENCE DEGREE and Certificate