There’s a future in manufacturing. Make it yours.

According to The Upstate SC Alliance (upstatescalliance.com), over 102,000 manufacturing jobs are found in the 10-county Upstate region of our state, an increase of 26,000 in the past five years alone. The region is home to industry leaders such as Bosch, BMW, GE, Magna and Michelin.

Greenville Technical College’s Machine Tool Technology program is helping to prepare a highly-skilled workforce to meet current and future needs of Upstate manufacturers. The college has made a significant investment in the advanced training required for many of these job opportunities with the opening of the newest GTC campus, the Center for Manufacturing Innovation (CMI).

Machinists learn to use lathes, milling machines, surface grinders, and other machine tools to produce precision metal parts, plus they learn to operate and program Computer Numerical Control (CNC) machines. They take these skills to small machining shops or large manufacturing firms that produce durable goods such as metalworking and industrial machinery, aircraft, and motor vehicles.

Career Opportunities

Graduates of this program are highly recruited and well paid, working as machinists, quality control professionals, tool makers, and production operators for companies including American Metric, BMW, Cryovac, General Electric, Kemet, Magna International, Michelin, Rockwell Automation, Treblig, and many other well-known employers.

Program Options

- Machine Tool Technology Associate Degree
- Computer Numerical Control (CNC) Programming and Operations Associate Degree
- Basic Machine Operations Certificate
- Metalworking Apprenticeship Certificate
- Computer Numerical Control, Machine Operator, and Programmer Certificates
- Advanced CNC Programmer Certificate

Greenville Technical College provides equal opportunity and affirmative action in education and employment for all qualified persons regardless of race, color, religion, sex, national origin, age, disability, sexual orientation, or veteran status.
You’ll learn

- To shape different types of metals by using hand tools and machine tools such as milling machines, engine lathes, surface grinders and drill presses
- To design and construct precision tools and program CNC machines manually and through specialized computer software
- To work on real-world machines and projects
- To operate milling machines, engine lathes, surface grinders, drill presses, and other machine tool equipment
- To be comfortable with computer numerical controlled (CNC) machines and computer-aided drawing (CAD), thanks to plenty of hands-on experience

Program

Greenville Technical College is recognized by Upstate companies as the training source for skilled metalworking professionals. The college’s Machine Tool Technology program meets the academic and skill requirements of Upstate manufacturers such as Drive Automotive, Bosch Rexroth, GE and the National Tooling Association.

The Machine Tool Technology associate degree program meets the academic requirements of the South Carolina Chapter of the National Tooling and Machining Association Apprentice Program.

Advanced courses in CNC Programming are taught at Greenville Technical College’s new Center for Manufacturing Innovation, located on the Millennium Campus, adjacent to CU-ICAR at I-85 and Laurens Road. For more information, go to CMIgreenville.com.