



**Tennessee Board of Regents**  
1 Bridgestone Park  
Nashville TN 37214

The Tennessee College of Applied Technology Hartsville is one of 45 institutions in the Tennessee Board of Regents system, the seventh largest system of higher education in the nation. The Tennessee Board of Regents is the governing board for this system, which is comprised of six universities, thirteen two-year institutions, and twenty-six colleges. The Tennessee Board of Regents system enrolls more than 80% of all Tennessee students attending public institutions of higher education.

The primary purpose of the Tennessee College of Applied Technology is to meet the occupational and technical training needs of citizens and residents of this area; this purpose includes employees of existing and prospective businesses and industries of the State.

The College fulfills this purpose by providing both career-centered and needs-centered training. Career-centered training encompasses the center's full-time programs. Needs-centered training addresses the specific training or re-training needs of the individual business or industry. All courses are designed with the help of the company's management team to ensure that the employees receive the skills needed to meet specific technical skill requirements.

TCAT Hartsville does not discriminate on the basis of race, color, national origin, sex, disability.  
See <http://www.tcathartsville.edu/aaeco>

## Training Programs

### Hartsville Campus

Administrative Office Technology  
Automotive Technology  
Certified Nurse Technician  
Computer Information Technology  
Industrial Maintenance/Mechatronics  
Machine Tool Technology  
Practical Nursing  
Welding Technology

### Lebanon Campus

Advanced Manufacturing  
Computer Information Technology  
Machine Tool Technology  
Practical Nursing  
Welding



The Tennessee College of Applied Technology Hartsville is governed by the Tennessee Board of Regents and is accredited by the Accrediting Commission of the :

**Council of Occupational Education**  
7840 Roswell Road, Building 300, Suite 325,  
Atlanta, Georgia 30350  
Telephone: (770) 396-3898 or  
1-800-917-2081

February 2016

*Real Skills.  
Real Jobs.*

# ADVANCED MANUFACTURING

The mission of the Advanced Manufacturing program is to help students develop the breadth and depth of technical skills they need to excel in technical support roles.



716 McMurry Blvd., Hartsville, TN 37074  
415 Tennessee Blvd., Lebanon TN 37087  
Tel. 615-374-2147 or 615-547-1128  
Fax 615-374-2149



## Program Insights

The Advanced Manufacturing program offers some of the highest paying and most satisfying career opportunities available today, such as manufacturing operators, maintenance technicians, quality control specialists, scientists, process control engineers, pharmaceutical professionals, and many more.

Manufacturers today are rapidly innovating the way things are made, creating new manufacturing techniques and scrambling to make sure our workforce has the skills needed to fill the jobs. This new approach requires a staff with advanced computer skills and specialized training to produce goods more efficiently on these new super automated factory floors.

Multiple skills training enables students to have knowledge in several areas and does not limit them to one field of expertise. This is intended to enhance his or her value to the employer.

The student who completes this course will meet the requirements for an entry level position.

## Course Awards and Length

### Diploma

Process Technician	1296 hrs
Manufacturing Technician	1728 hrs
Robotics/Automation Technician	2160 hrs

### Certificate

Proactive Maintenance	432 hrs
Mechanical Maintenance Assistant	864 hrs

## Career Outlook

By 2018, 42 percent of jobs in manufacturing will require some postsecondary education or a degree. Expectations for postsecondary attainment will likely continue to rise, particularly in advanced manufacturing. Advanced manufacturing occupations require academic, employability and technical skills, including skills in quality production processes, maintenance, safety and customer needs. In addition, 12 percent of managerial and professional office jobs are in manufacturing. Advanced manufacturing careers include: • machinists • production supervisors • inspectors • engineers • computer technicians.

## JOB OPPORTUNITIES

More than 316,000 workers were employed in the manufacturing sector in the state at the end of 2012, including 196,000 in durable goods.

## EXPECTED WAGES

Median-\$16-\$22/hour

## GAINFUL EMPLOYMENT

GO TO: <https://tcathartsville.edu/future-students/gainful-employment-disclosures>

## COST OF TRAINING

Tuition and fees approximately	\$6,230
Books and supplies approximately	\$2,300
Equipment approximately	\$300

For more information about our graduation rates, the median debt of students who completed the program, and other important information, please visit our website at [www.tcathartsville.edu](http://www.tcathartsville.edu).

## ENROLLMENT

Because instruction is individualized, students may enroll when a vacancy occurs.

## TRAINING SCHEDULE

8:00 a.m. to 2:30 p.m.

Monday through Friday

Part-time day schedules are available on an as needed basis.

## For More Information Contact:

Student Services at (615) 374-2147

### 2015-2016 COE Annual Report

Completion Rate	84%
Placement Rate	84%
Licensure Rate	86%

