

# Careers in Advanced Manufacturing

TENNESSEE CAREER CENTERS

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United Steel Workers, Local 878L

## Advanced Manufacturing Study Completed

The Northwest Tennessee Workforce Board recently completed an Advanced Manufacturing Sector Analysis for the 19 rural counties of west Tennessee including Benton, Carroll, Chester, Crockett, Decatur, Dyer, Gibson, Hardeman, Hardin, Haywood, Henderson, Henry, Lake, Lauderdale, Madison, McNairy, Obion, Tipton, and Weakley.

The analysis identifies companies engaged in advanced manufacturing, job titles, wage information, job openings, projected growth, and classi-

fies advantaged manufacturing sectors, including green jobs. This Sector Analysis serves as a valuable and accessible tool for workforce development professionals, economic developers, grant writers, educators, employers, and jobseekers.

To request a copy of the Advanced Manufacturing Sector Analysis, go to [www.northwesttncareercenter.org](http://www.northwesttncareercenter.org) or contact Margaret Prater, Vice President of Workforce Development (731) 286-3585, extension 16 or email [Prater@nwtworks.org](mailto:Prater@nwtworks.org).

### Fastest Growing Advanced Manufacturing Occupations in TN

- ✦ Engineering Managers
- ✦ Electrical Engineers
- ✦ Industrial Engineers
- ✦ Electrical & Electronics Repairers
- ✦ Numerical Tool & Process Control Programmers
- ✦ Industrial Machinery Mechanics
- ✦ Installation, Maintenance, & Repair Occupations
- ✦ Computer-Controlled Machine Tool Operators
- ✦ Drafter, Engineering & Mapping Technicians
- ✦ Machinists
- ✦ Industrial Engineering Technicians
- ✦ Electrical/Electronics Engineering Technicians
- ✦ Operations Specialties Managers

TN Department of Labor & Workforce Development

### Entry Level Salaries for Tennessee's Highest Paying Advanced Manufacturing Occupations

✦ Engineering Managers	\$61,044
✦ Electrical Engineers	\$56,654
✦ Electronics Engineers, Except Computer	\$54,261
✦ Mechanical Engineers	\$51,180
✦ Industrial Engineers	\$48,493
✦ Industrial Production Managers	\$42,374
✦ Industrial Safety & Health Engineers	\$40,200
✦ Product Safety Engineers	\$40,200
✦ Electronic Drafter	\$36,373
✦ First-Line Supervisors/Managers of Mechanics, Installers, & Repairers	\$35,110

TN Department of Labor & Workforce Development

## Snapshot of Advanced Manufacturing in West Tennessee

- ◆ Manufacturing accounts for over 24% of West Tennessee jobs.
- ◆ Among employers surveyed, there were over 450 job openings in March of 2011, with another 500+ openings expected in the future.
- ◆ The 2005 survey of U.S. manufacturing employers found that 80 percent of respondents said that they had a serious problem finding qualified candidates for the highly technical world of modern manufacturing. (National Association of Manufacturers)
- ◆ Due to the technical nature of jobs in advanced manufacturing, more education is required to obtain an entry-level job, and workers need strong skills in reading, math, and locating information in order to earn higher wages.
- ◆ The National Career Readiness Certificate is a significant “tool” in your “toolbox” when applying for jobs in manufacturing. This portable certificate verifies that you can handle tasks that are common and vital in today’s workplaces - such as finding information, reading instructions and directions, and working with figures.

# Advanced Manufacturing Career Pathways and Specialties



## Education Required

- Bachelor's Degree or Higher
- Associate's Degree
- Technical School or Community College Certificate
- High School Diploma or GED with On-the-Job Training
- High School Diploma or GED
- Less Than High School Diploma