

Engineering Technology: Mechanical Engineering

Associate of Applied Science Degree

Program Overview:

The Mechanical Engineering program gives students a broad education in mechanical design, manufacturing processes, jig and fixture design, creation and utilization of electrical and mechanical power, metals and special materials, numerical control machine tools, automated manufacturing systems, and computer-aided drafting and design practice and principles.

How Much Can I Earn?

\$27,530 - \$53,610

*wages and salary data provided by the Bureau of Labor Statistics, Tennessee Department of Labor

What Will I Do On The Job?

Mechanical engineering technicians help engineers design, develop, test, and manufacture industrial machinery, consumer products and other equipment. These may include machines and machine tools, HVAC systems, manufacturing processes, conventional and renewable energy systems, gas and liquid distribution systems, among others.

What Skills Will I Use On The Job?

You will use math, science, and creative problem solving skills. Knowledge in a broad range of technical areas, spoken and written communication, computer software use and computer-aided drawing is also essential for this field. You will be an integral member of the team needed by modern industrial firms. Your knowledge of production systems, automated equipment, system integration, process controls, quality control and managerial skills will help you perform many different duties including applications for computer integration, process setup and quality control.

Possible Job Titles:

Equipment Trouble Shooter, Equipment Builder, Equipment Installation Technician, Manufacturing or Quality Control Specialist, Plant Supervisor and other Operational or Management positions. Other areas may include Product Planning, Product Design or System Design.

Who Will Hire Me?

Chattanooga State graduates work with such organizations as: Fuji Hunt, City of Chattanooga, Burner System, TVA, Mayse Construction, Tuftco. Mueller, McKee, VW, Astec, Woodbridge Foam, Lock Joint Tube, Tennessee Rand, Cost 2 Cost Surveys, Scenic Industries, March Adams & Associates Consulting Engineers, La Z Boy

Need More Information?

www.bls.gov ▪ tcids.tbr.edu/index.html

Career Services & Counseling Center

Student Center Room 137 ▪ 423-697-4421