



MANUFACTURING SUSTAINABILITY

P.S.M. CONCENTRATION

Sustainable manufacturing, pollution reduction, efficient use of limited natural resources and the minimization of the use of toxic chemicals are growing issues facing today's manufacturers and managers.

The Professional Science Master's with a concentration in Manufacturing Sustainability degree program prepares you for a career dedicated to developing technologies to transform resources into goods and services that respond to the basic needs of society and improve human quality of life.

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MANUFACTURING SUSTAINABILITY AT TENNESSEE TECH

As manufacturing sustainability takes hold across the country, the demand for workforces who are trained to identify opportunities for improving processes and preventing environmental waste will increase.

An initiative — jointly created by the Department of Energy, Environmental Protection Agency, Department of Labor, Small Business Administration and the Manufacturing Extension Partnership (MEP) of the National Institute of Standards and Technology — has been started to help manufacturers implement Manufacturing Sustainability practices. Already, manufacturers are required to meet demands placed on companies as worldwide awareness of environmentalism increases. Tennessee's auto manufacturers are already embracing E3 (the three pillars of sustainability: economy, energy and the environment). As a result, there are a number of career opportunities for professionals with these skills and TTU is addressing this need by creating the Manufacturing Sustainability concentration.

Manufacturing Sustainability at TTU uses an interdisciplinary approach by incorporating faculty from across Tennessee Tech's colleges. This approach includes business courses from our MBA program and concepts that are applicable across fields as diverse as environmental social policy, environmental economics, lean manufacturing, and strategy for sustainability and energy management principles. The College of Engineering's Department of Manufacturing and Engineering Technology provides courses central to the program.

This Professional Science Master's program is designed for graduates of approved STEM (Science, Technology, Engineering and Mathematics)-related undergraduate programs and working professionals from industry.

For more information on the Manufacturing Sustainability P.S.M. program, contact the College of Graduate Studies at 931-372-3233 or gradstudies@tntech.edu.