

Missouri Skilled Technical Sciences

Office of College and Career Readiness
Missouri Department of Elementary & Secondary Education



ADDRESSING MISSOURI'S SKILLS GAP

College and Career Ready
Employability Skills
Apprenticeships
Technical Skills
Dual Enrollment
Hands-on Training
Industry-Recognized Credentials



Graphic Arts

Preparing Students for the Future

Skilled Technical Sciences (STS) programs prepare students for success through academic integration and technical skill development. Students may choose from a variety of courses that include a focus on science, technology, engineering, and math (STEM), computer-aided design (CAD), construction trades, manufacturing, and welding. Programs emphasize design, problem-solving, cooperative effort, career opportunities, safe and efficient work habits, quality work, and community service.

Students complete 1,000 hours of education using the latest technology and equipment. Skilled Technical Sciences programs can be found in 57 area career centers and 42 high schools. Over 470 diverse program areas are found throughout Missouri.

Real World Technical Skills



Welding

Missouri Skilled Technical Sciences Career Clusters

- Architecture and Construction
- Information Technology
- Manufacturing
- Arts, A/V Technology, and Communication
- Law, Public Safety, Corrections, and Security
- Transportation, Distribution, and Logistics

Missouri Trade and Technical Association



Missouri Trade and Technical Association (MTTA) represents high school and college teachers in the Skilled Technical Sciences division of the Office of College and Career Readiness. This professional organization is a part of the Missouri Association of Career and Technical Education (MoACTE). Missouri Trade and Technical Association hosts many opportunities for teachers to collaborate and learn from one another. A key event is our summer conference in Springfield, MO. It is held the last full week of July each year. To get involved visit, www.acteonline.org/missouri/.

BECOME A CERTIFIED STS TEACHER

Have you ever thought of becoming a high school teacher?

If you have 6,000 hours of work experience and a desire to teach others, being a certified Skilled Technical Sciences (STS) teacher may be the career for you.

For more information about the Career and Technical Education temporary authorization route to certification, contact Dr. Oscar Carter, Director of Skilled Technical Sciences, at 573-522-5804 or email Oscar.Carter@dese.mo.gov.



Criminal Justice

CONTEST | SCHOLARSHIPS | LEADERSHIP | EDUCATION | INDUSTRY PARTNERS



SkillsUSA is a national nonprofit organization serving middle school, high school, and college students who are preparing for careers in trade, technical, and skilled service occupations.



CHAMPIONS AT WORK

SkillsUSA Missouri is a partnership of students, teachers, and industry representatives working together to ensure America has a skilled work force.

The organization empowers members to become world-class workers, leaders, and responsible American citizens. SkillsUSA Missouri improves the quality of our nation's future through the development of workforce skills that include personal, workplace, and technical skills grounded in academics. These skills are eagerly sought by employers in Missouri.



Automotive Technology



For More Information: Missouri Department of Elementary & Secondary Education
Office of College and Career Readiness, Skilled Technical Sciences

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