

ADVANCED CAREER

CAREER PATHWAY CURRICULUM



9TH THROUGH 12TH GRADE



MINNESOTA STATE
Engineering Center of Excellence

ENGINEERING.MNSU.EDU

ADVANCED CAREER

BY SREB



FOUR-COURSE CAREER PATHWAY CURRICULA

- Hands-on, fully developed lesson plans, projects and assessments.
- Team-based, real-world projects that require application of college and career-readiness standards in reading, writing, math, and science.
- Students master complex academic and technical concepts and graduate ready for the workplace, technical colleges, and universities.
- College-preparatory, STEM-intensive pathways are taught in the context of a college-ready academic core.
- Encourages interaction with, and mentoring by industry professionals and provides counseling for career orientation.
- One-time fee per each pathway with no annual cost for curriculum updates.

CURRICULA PATHWAYS

- Automated Materials Joining Technology
- Aerospace Engineering
- Clean Energy Technology
- Energy and Power
- Global Logistics & Supply Chain
- Health Informatics
- Informatics
- Innovations in Science and Technology
- Integrated Production Technologies

For more information contact the Minnesota State Engineering Center of Excellence.
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WHAT IS SREB?

Southern Regional Education Board's (SREB) leadership in career and technical education spans decades and includes the nation's largest school improvement network, turnkey curricula, research, and statewide policy recommendations. SREB helps states, districts and schools design and build career pathways for the critical transition from high school to postsecondary studies and the workplace.

PROFESSIONAL DEVELOPMENT

Teachers attend Summer Teacher Training Institute (STTI), two weeks per course, and are:

- Taught to use the student-centered approach to teaching Advanced Career courses.
- Trained to use the required academic and technical content, technology and project-based pedagogies associated with their courses.
- Empowered to deliver the curriculum to students and have a co-hort of fellow teachers to support their efforts for the success of the students.