



GRANT: National STEM (Science, Technology, Engineering, Math) Consortium

TOTAL AWARD: \$19.5 million

NWACC's PORTION: \$1.2 million

SYNOPSIS: The National STEM Consortium is a collaborative effort among 10 leading community colleges in nine states, organized to develop nationally portable, certificate-level programs in Science, Technology, Engineering and Math to build a national model of multi-college cooperation in the design and delivery of high-quality, labor market-driven occupational programs. NWACC will provide programs in Cyber Technology and Environmental Technology.

DETAILS:

- The consortium will target five high-wage, high-skill STEM pathways: Composite materials technology; cyber technology; electric vehicle technology; environmental technology; and mechatronics.
- In each pathway, the NCS will develop a “best in class,” nationally portable, one-year certificate program that is in demand by employers and can be disseminated quickly and widely to community colleges throughout the U.S.
- The programs will also be accessible to other unemployed and underemployed working adults nationally.
- The programs will help build a national repository of high-quality technical curricula and curricular materials that can be made available at no charge to all community colleges.

- Cyber Technology (24 credit hours): There is a critical mass of federal agencies and information technology companies that place it at the national epicenter of federal cybersecurity activities, including 12 major military installations and the U.S. Cyber Command Center. Through 2018, there is projected to be a 22 percent increase in demand nationally for occupations related to cyber technology (computer support specialists, database administrators, computer support specialists, etc.)
- Environmental Technology: Assessment and Safety Compliance Specialist, Hazardous Materials Specialist, Mold Assessment Specialist, Mold Remediation Specialist and Water Quality Technician are some of the high demand jobs needed in these areas during the next decade.