Minnesota
STATE COLLEGES
& UNIVERSITIES

Leveraged Equipment Funding
September 2012

BACKGROUND

In May, the Legislature passed and Governor Dayton signed SF 2469, a bill that included a one-time appropriation of $457,000 to Minnesota State Colleges and Universities (MnSCU) for the "leveraged" acquisition of equipment for instructional programs that produce graduates with skills in high-demand occupations. To receive these state funds, MnSCU colleges and universities were required to leverage the state dollars by securing matching cash or in-kind contributions from non-state sources such as local businesses, vendors or foundations.

As part of the application process, MnSCU colleges and universities were required to have the non-state matching funds secured and demonstrate that the equipment will be installed or ordered by December 31, 2012.

The Legislative Leveraged Equipment Fund has enabled the purchase of 24 pieces of new equipment, with a total value of nearly $1.2 million. MnSCU colleges and universities secured $731,000 in contributions from 53 businesses, four vendors and six foundations, more than matching the $457,000 state appropriation. The leveraged equipment will serve students at 12 colleges and 3 universities and support training in high-demand fields such as machine technology, engineering, automotive technology, healthcare, information technology and sciences.

AWARD DETAILS

Alexandria Technical and Community College
$32,175 in state funds matched by $59,835 in private funding for Mazak Computerized Numerical Controlled (CNC) Milling and Turning Centers valued at $92,010. The equipment will provide hands-on experience in advanced precision machining skills for students in the college's machine tool technology programs; incumbent workers in customized training programs; and middle school students and middle and high school teachers who attend the college's annual summer camps.

Central Lakes College, Brainerd
$68,500 in state funds matched by $81,500 in private funding for a Caterpillar Wheel Loader and one Caterpillar Hydraulic Excavator valued at $150,000 for the heavy equipment operations and maintenance, and diesel equipment technicians programs. Students will gain experience using equipment with joysticks and GPS technology instead of outdated manual lever controls and in meeting industry demands for increased precision.

Dakota County Technical College, Rosemount
$15,000 in state funds matched by $75,000 in private funding for a Pyxis MedStation 4000, an automated medicine dispensing system valued at $90,000. Used by most hospitals in the Twin Cities area, this equipment will allow practical nursing students and incumbent workers in customized training programs to learn technical aspects of medication dispensing in a simulated setting, giving graduates a verifiable skill that immediately translates into workplace value for employers.

Hennepin Technical College, Brooklyn Park
$7,500 in state funds matched by $7,500 in private funding for an Optical Comparator valued at $15,000 to help machine tool students and incumbent workers in customized training programs achieve proficiency in quality assurance techniques and precision manufacturing principles.

Lake Superior College, Duluth
$4,450 in state funds matched by $4,450 in private funding for a AMSCO 3080 operating room table valued at $8,900, which represents the current standard used at Duluth area hospitals. The new equipment will replace an outdated operating room bed in the surgical technician program and improve the job readiness of graduates.

Minnesota State College-Southeast Technical, Winona
$12,000 in state funds matched by $16,000 in private funding for welding equipment and associated requisite tools valued at $28,000 to expand the capacity of the welding program by 20 percent and help meet strong industry demand for welders.

Minnesota West Community and Technical College, Worthington
$74,779 in state funds matched by $102,570 in private funding for a mobile welding lab and related equipment valued at $177,349 to help meet a pronounced need for welders and metal fabricators in southwestern Minnesota. This will be the college's second mobile lab and will support students and incumbent workers in learning three types of welding and an improved ventilation system that meets proposed federal air quality standards for workers.

Normandale Community College, Bloomington
$29,291 in state funds matched by $33,272 in private funding for computerized numeric control (CNC) equipment, 3D scanner and printer, laser engraver and cutter, and exhaust system valued at $62,563 for students in the engineering and engineering technology programs, middle school students who attend summer camps, and Minnesota State University, Mankato students in the Twin Cities engineering program. This equipment will give students hands-on experience with cutting-edge tools.

Northland Community and Technical College, Thief River Falls
$49,000 in state funds matched by $51,000 in private funding for a computed radiography unit valued at $100,000 will give radiologic technology students hands-on experience on equipment now used in the health care industry. Students will be able to gain competency in performance, problem solving, critical thinking and analysis of radiographic images as well as repeatedly practice all required skills.

Ridgewater College, Willmar
$10,000 in state funds matched by $20,000 in private funding for two vehicles valued at $30,000 that will provide up-to-date training for auto technology students and enable them to better trouble shoot and repair vehicles with advanced electronic systems.

Rochester Community and Technical College
$6,000 in state funds matched by $6,000 in private funding for updating and expanding equipment valued at $12,000 in the physics and engineering lab, allowing the college to enlarge lab sections and improve efficiency. This equipment will be used by engineering and health science students, many of whom complete two-year degrees in such high-demand fields as radiography or pursue four-year degrees in engineering.

St. Cloud State University
$120,000 in state funds matched by $245,198 in private funding for an X-ray diffractometer valued at $365,198 that will allow students and faculty in undergraduate and graduate programs to gain a deeper and more practical understanding of X-ray diffraction techniques used by scientists and engineers in such fields as biology, chemistry, physics, mechanical and electrical engineering, geology, earth science, ecology and anthropology.

St. Cloud Technical and Community College
$8,000 in state funds matched by $8,000 in private funding for a surface grinder valued at $16,000 that will allow machine tool students to train on equipment used in the workplace.

Southwest Minnesota State University, Marshall
$14,765 in state funds matched by $14,765 in private funding for equipment valued at $29,530 that will allow food science and culinology students to gain practical experience and knowledge in assessing characteristics of various food products and in food product development involving allergens such as gluten, peanut, lactoglobulin and ovalbumin.

Winona State University
$5,540 in state funds matched by $5,539 for a Biaxial Strain Gage Extensometer valued at $11,079 that measures mechanical properties of composite materials. Composite engineering students will use this state-of-the-art engineering tool to select, analyze, fabricate and test materials; design and conduct experiments; and assess and interpret data related to structure, properties, processing and performance of materials.

About Minnesota State Colleges and Universities
The Minnesota State Colleges and Universities system, **www.mnscu.edu**, comprises 24 community and technical colleges and seven state universities serving the higher education needs of Minnesota. The system serves more than 420,000 students each year.

For more information, contact Advancement at 651.201.1801.