



2014 CAPITAL BUDGET REQUEST

Minnesota State Colleges and Universities

BUILDING OPPORTUNITIES

ensuring access to an extraordinary education
for all Minnesotans

To the Legislature and the people of Minnesota

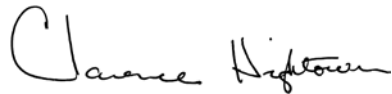
We are pleased to present our 2014 capital budget, which presents high-priority projects throughout Minnesota. On behalf of our 430,000 students, thank you for your past support of college and university infrastructure investment critical to providing students the learning environments and equipment necessary to prepare them for the careers that will keep Minnesota prosperous.

Our request for \$227.7 million in state appropriation, in combination with \$58.8 million in our own resources, will enable a \$286.5 million strategic capital investment program that will help increase student success. One hundred percent of our request is for projects that directly benefit students and the quality of their education. Minnesota State Colleges and Universities remain committed to taking care of our educational facilities, while rightsizing campuses to make space more efficient and viable. Building on the support of the Governor and the Legislature during the 2012-2013 biennium, our request supports the state's commitment to preservation of public assets. We pledge to continue our track record of rapid and efficient execution of projects.

Projects included in our request are the result of a rigorous screening process and represent our most urgent needs, including: providing science, technology, engineering, math, allied health, technical, business and education classrooms and labs; enhancing student support services to increase student success; maintaining and improving existing facilities; reducing deferred maintenance; and reconfiguring and rightsizing campus space to increase efficiency.

We look forward to discussing in more detail how our request will build opportunities for students from all backgrounds to have access to an extraordinary education. Thank you for your consideration.

Sincerely,



CLARENCE HIGHTOWER
Chair, Board of Trustees



STEVEN ROSENSTONE
Chancellor

\$227.7 Million

FISCAL YEAR 2014 CAPITAL BUDGET
REQUEST FOR STATE SUPPORT; TOTAL
\$286.5 MILLION OF CAPITAL INVESTMENT

- MAINTAIN AND IMPROVE EXISTING FACILITIES** and reduce deferred maintenance
- PROVIDE NEW AND UPGRADED** science, technology, engineering, math and allied health classrooms and labs
- ENHANCE TECHNICAL WORKFORCE PROGRAM SPACES**
- RECONFIGURE CAMPUS SPACES** to increase efficiency

Funding of the capital projects outlined in this proposal will:

- Provide learning space needed to meet Minnesota’s future workforce needs
- Renovate 35-45 year old buildings to meet today’s student learning needs and make more efficient use of space
- Preserve interior and exterior of existing buildings; improve energy efficiency; and keep students, faculty, and staff warm, safe, and dry
- Support growing need for allied health practitioners, engineers, scientists, and other emerging professions
- Update and expand laboratories, classrooms and student service areas for the system’s 430,000 students
- Put people to work – creating jobs in local communities for carpenters, electrical workers, equipment operators, technicians involved with heating, ventilation and air conditioning, mechanical systems and plumbing, roofers and interior finishers



31

COLLEGES AND UNIVERSITIES

54

CONVENIENT CAMPUS LOCATIONS

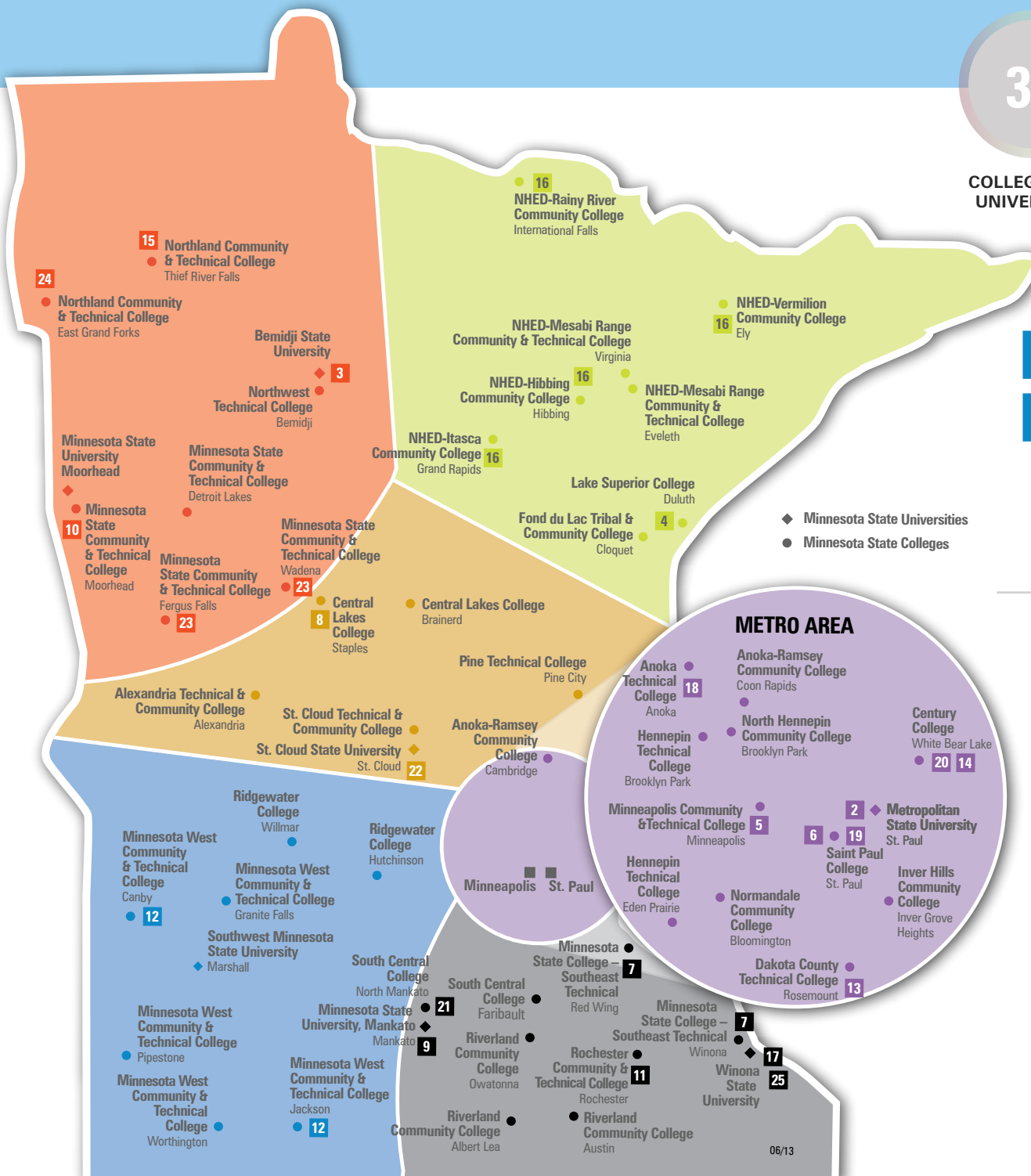
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MINNESOTA COMMUNITIES

Bonding Project Locations

- CENTRAL
- METRO
- NORTHEAST
- NORTHWEST
- SOUTHEAST
- SOUTHWEST

- ◆ Minnesota State Universities
- Minnesota State Colleges



- With **31 INSTITUTIONS** (24 two-year colleges and seven universities) the Minnesota State Colleges and Universities system is the **LARGEST PROVIDER OF HIGHER EDUCATION IN THE STATE OF MINNESOTA**. 58% of the state's undergraduate students attend a Minnesota State College or University.
- The system is comprised of **54 CAMPUSES** in 47 communities, serving more than **430,000 STUDENTS**, including 120,000 students taking non-credit courses and customized training programs designed for businesses. The system produces **41,700 GRADUATES** each year, of which 81% get jobs in related fields and 80% stay in Minnesota, contributing to the state's economy.
- Minnesota State Colleges and Universities serve more than **59,900 STUDENTS OF COLOR** (more than any other provider of higher education in Minnesota), **26,636 PSEO STUDENTS**, **10,644 VETERANS**, and more low income students than all of the other higher education providers in the state combined.

| PRIORITY | CAMPUS | PROJECT TITLE | \$ MILLIONS | PAGE |
|----------|---|---|-------------|------|
| 1 | All Minnesota State Colleges and Universities | Higher Education Asset Preservation, Replacement, and Demolition | \$130.6 | 4 |
| 2 | Metropolitan State University | Science Education Center new construction | \$35.9 | 5 |
| 3 | Bemidji State University | Memorial, Decker renovation, Sanford Hall demolition, and Hagg Sauer design | \$13.8 | 5 |
| 4 | Lake Superior College | Allied Health ('86 Wing) revitalization, renovation | \$5.3 | 6 |
| 5 | Minneapolis Community and Technical College | Workforce, Phase 2 renovation | \$3.6 | 6 |
| 6 | Saint Paul College | Culinary Arts and Computer Numerical Control/Machine Tool renovation | \$1.5 | 7 |
| 7 | Minnesota State College - Southeast Technical, Red Wing and Winona | Welding, Science Lab, and classroom renovation | \$1.7 | 7 |
| 8 | Central Lakes College, Staples | Campus rightsizing, renovation | \$4.6 | 8 |
| 9 | Minnesota State University, Mankato | Clinical Sciences Facility new construction and renovation | \$25.8 | 8 |
| 10 | Minnesota State Community and Technical College, Moorhead | Transportation Center addition and renovation | \$6.5 | 9 |
| 11 | Rochester Community and Technical College | Art Hall renovation and post-demolition design of Plaza and Memorial Halls | \$1.0 | 9 |
| 12 | Minnesota West Community and Technical College, Canby and Jackson | Classroom, Powerline facility, and Geothermal System renovation | \$3.5 | 10 |
| 13 | Dakota County Technical College | Transportation and Emerging Technologies renovation | \$7.6 | 10 |
| 14 | Century College | Digital Fab Lab, kitchen space, and Solar Panel System renovation | \$2.0 | 11 |
| 15 | Northland Community Technical College, Thief River Falls | Aviation Maintenance facility addition and demolition | \$5.9 | 11 |
| 16 | Northeast Higher Education District (NHED), Itasca, Rainy River, Vermilion, and Hibbing | Science Lab, classrooms, Biomass Heating renovation, and demolition | \$3.3 | 12 |
| 17 | Winona State University | Education Village, Phase I renovation | \$5.9 | 12 |
| 18 | Anoka Technical College | Manufacturing Technology Hub and Auto Tech Lab renovation | \$1.5 | 13 |
| 19 | Saint Paul College | Health and Science Alliance Center addition | \$14.5 | 13 |
| 20 | Century College | Classroom and workforce alignment addition | \$1.0 | 14 |
| 21 | South Central College, North Mankato | STEM and Healthcare renovation | \$7.5 | 14 |
| 22 | St. Cloud State University | Student Health and academic renovation | \$0.9 | 15 |
| 23 | Minnesota State Community and Technical College, Fergus Falls and Wadena | Campus rightsizing and Center for Student Success renovation | \$1.4 | 15 |
| 24 | Northland Community and Technical College, East Grand Forks | Laboratory renovation | \$0.7 | 16 |
| 25 | Winona State University | Phelps Hall Psychology Lab renovation | \$0.6 | 16 |

CENTRAL
 NORTHEAST
 SOUTHEAST
 STATEWIDE
 METRO
 NORTHWEST
 SOUTHWEST

STATE SUPPORT: \$227.7
 MnSCU FINANCED: \$58.8
TOTAL: \$286.5

All Minnesota State Colleges and Universities

Higher Education Asset Preservation, Replacement, and Demolition

\$130,600,000

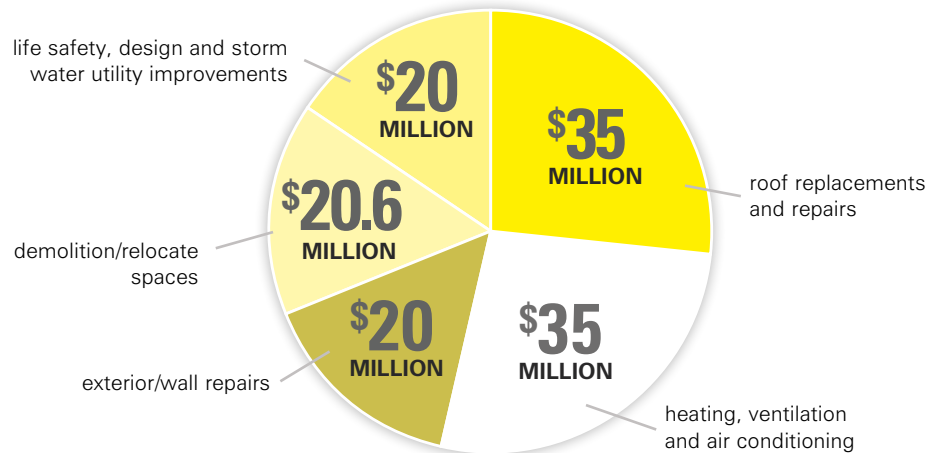
Funding of Minnesota State Colleges and Universities (MnSCU) system’s top priority will protect Minnesota’s investment in existing infrastructure by ensuring maintenance, preservation, and rightsizing of existing physical assets spread across approximately 21.7 million gross square feet (GSF) of academic buildings located on 54 campuses.

This request includes repair and replacement of roofs, plumbing and electrical systems, heating, ventilation and air conditioning (HVAC), upgrade and/or installation of fire alarms and sprinklers, elevators, window replacement, tuckpointing, life safety and code compliance projects, and replacement of other items that have reached the end of their useful life expectancy.

In response to state and Board of Trustees concerns about the total cost of ownership related to facilities, MnSCU seeks funding to selectively demolish obsolete space. The request is focused on selective relocation of programs and demolition. This effort will improve overall space utilization, increase cost effectiveness of system space, and enhance fiscal and financial sustainability of the campuses involved.

- 112 asset preservation and renewal projects, 88 with energy savings potential
- Approximately \$93 million of request may be eligible for the Department of Commerce Guaranteed Energy Savings Program
- Utility costs will decline after work is completed for the majority of project improvements
- Asset preservation funding will reduce the system’s deferred maintenance backlog (currently \$705 million)
- Demolition of obsolete spaces that the campuses have already identified within their campus facilities’ master plans
- Improvement in space utilization on campuses that have historically reported low space utilization rates
- Reduction in high operating costs associated with space that will be replaced with alternative, more efficient space
- Align campus facilities with future demographic trends and focused program priorities
- Eliminates 1.5% - 1.8% of system’s total academic square footage
- All projects to be completed in 30 months

TAKING CARE OF WHAT WE HAVE



STUDENT IMPACT

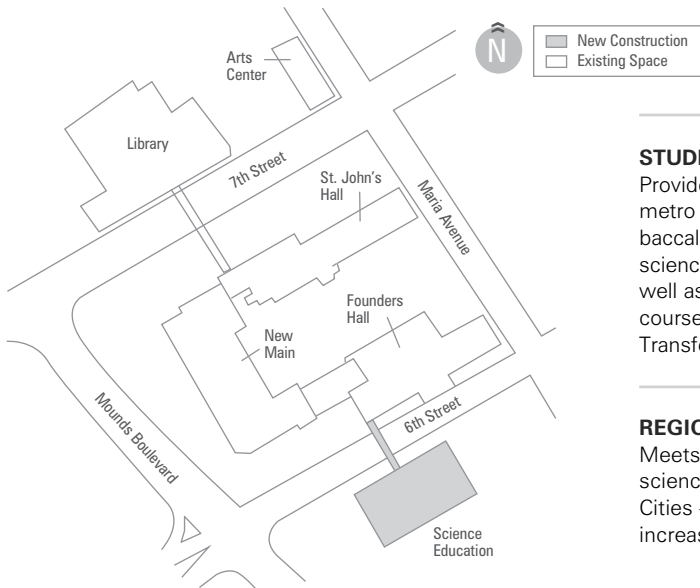
Full access to welcoming, safe, climate-controlled classrooms, labs, offices, and study spaces – providing an environment conducive to learning that will help attract and retain students

Selective demolition will eliminate space that students, faculty, and staff no longer use. Students benefit when campuses refocus their energy on the most utilized spaces on campus



The Science Education Center project will increase graduates in STEM (Science, Technology, Engineering, and Mathematics) fields and support rapidly growing Nursing and Health Science programs. Metropolitan State currently offers three Science degrees (Biology (BA); Biology (BS); and Life Sciences Teaching (BS) and two minors (Chemistry and Physics), taught in under-equipped and under-sized labs on two campuses. The Science Education Center will support five additional degrees: Earth and Space Teaching (BS), Earth Science (BS), Chemistry Teaching (BS), Chemistry (BS), Environmental Studies (BA), and a Professional Science Master's degree in Ecology and Environmental Science (MS).

- Renovates 3,550 GSF
- Constructs 65,712 GSF of new space
- Impacts 19 classrooms/labs
- Eliminates lease expenses of approximately \$450,000 annual and returns programs to campus
- \$3,444,000 appropriated in FY2011 for design and property acquisition



STUDENT IMPACT

Provides students in the metro area access to more baccalaureate degrees in science and allied health as well as one additional science course that fulfills the Minnesota Transfer Curriculum standards

REGIONAL IMPACT

Meets the growing demand for science graduates in the Twin Cities – positions expected to increase by 14% in this decade



This project includes renovation, remodeling and demolition of three buildings, plus design work for future demolition of Hagg Sauer Hall. The underutilized gymnasium in Memorial Hall will be renovated into classroom and instructional space covering three stories. Funding of this project will bring the Business and Accounting Departments, currently housed in a former dining hall, back into the academic heart of the university. The renovation will inject new life into a landmark building on campus and will eliminate a deferred maintenance backlog of \$2.6 million from the renovation alone. Sanford Hall will be demolished and the student service functions will be moved to a remodeled Decker Hall - bringing student life and student support services together.

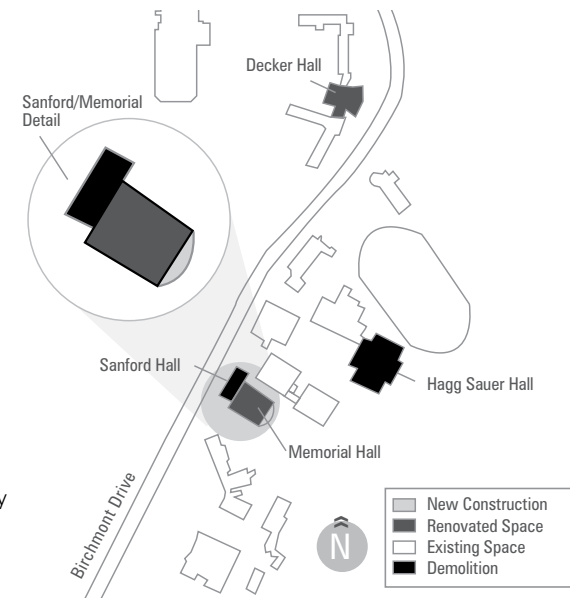
- Renovates and renews 58,500 GSF (Memorial and Decker)
- Constructs 4,000 GSF of new space
- Impacts 8 classrooms/labs
- Converts underutilized gymnasium into classrooms without expanding the footprint of the campus
- Eliminates \$4.6 million of total deferred maintenance backlog
- Creates multifunctional spaces for conference rooms, seminars, learning kiosks, and larger lectures
- \$3.3 million appropriated in 2012 for renovation and demolition
- Schematic design completed in FY2012

STUDENT IMPACT

Students will benefit from smart classrooms and learning laboratories that can accommodate the use of flexible classroom sizes, group study problem-solving learning environments, and distance learning delivery systems

REGIONAL IMPACT

Current partnerships with entities such as DEED, Northwest MN Foundation, White Earth Nation, Red Lake Nation, and Leech Lake Nation along with many others will be expanded



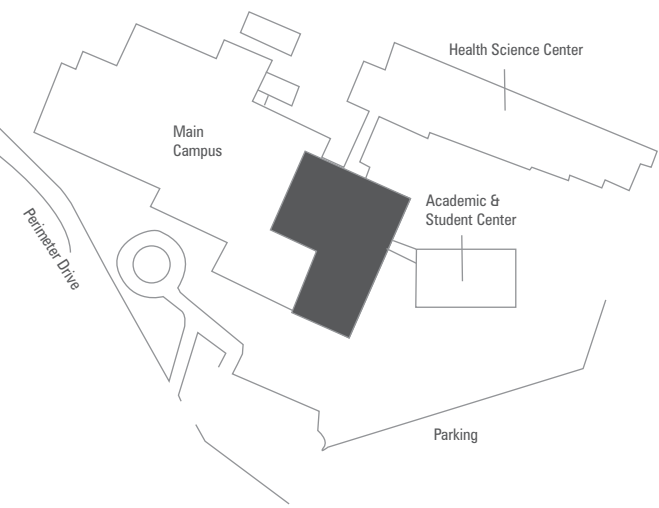
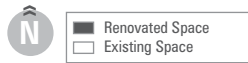
PRIORITY 04 Lake Superior College
Allied Health ('86 Wing) revitalization, renovation
\$5,266,000



This project addresses the significant need to reconfigure, remodel and renovate a wing of classrooms and labs with allied health, science and general classrooms to improve overall space utilization, maximize student teacher ratios, increase efficiency and sustainability, and add community services.

Technology will be upgraded to meet 2014 educational standards, including lab simulation technology used within allied health and science facilities for realistic hands-on training for students in physical therapy, radiological technology, nursing assistant and massage therapy.

- Reconfigures, remodels, and renovates classrooms and labs in the Allied Health and Science programs
- Renovates and renews 41,000 GSF
- Impacts 23 classrooms/labs
- Eliminates \$2 million of deferred maintenance backlog
- \$12.1 million appropriated in 2010 for construction of Health Science Center
- Construction documents complete/ready to bid



STUDENT IMPACT

On-the-job training and clinic patient experience on campus as well as increased capacity in classrooms and labs to accommodate more students and shorten the waiting list in Allied Health

REGIONAL IMPACT

Renovated space will meet the needs of the region's workforce by supporting collaboration with health care partners and by offering community access to workforce education

PRIORITY 05 Minneapolis Community and Technical College
Workforce, Phase 2 renovation
\$3,600,000



Funding for this project will finish work that was started in Phase I and provide major infrastructure upgrades, including: air conditioning for the lower levels of the T Building and Bowman Hall; security system upgrades at the lower level access; repairs to the deteriorating T Building street level masonry planters; and rehabilitation to the receiving dock drive, walkway, drainage, and masonry walls.

- Replaces HVAC units serving existing classrooms
- Renovates 90,470 GSF
- Eliminates \$2.7 million of deferred maintenance backlog
- Improves STEM classrooms and allows flexibility for changes
- Improves monitoring security of college access points
- \$13.4 million appropriated in 2012 for design and construction
- Design document completed in FY2012, ready to bid

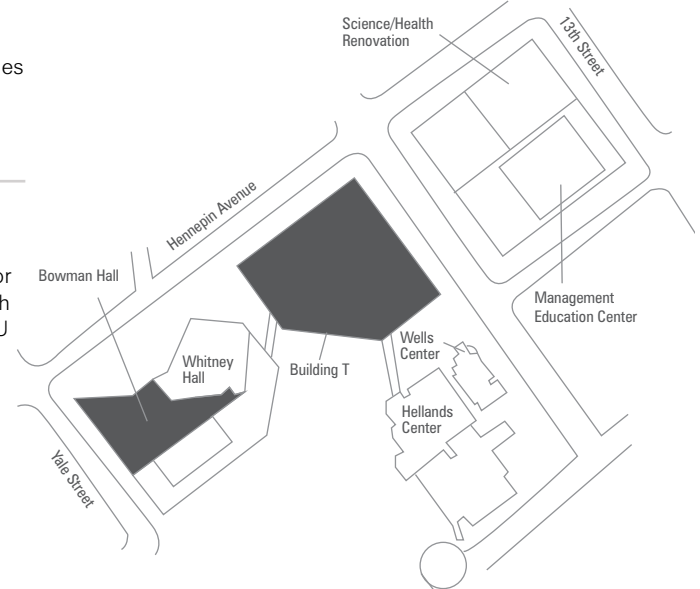


STUDENT IMPACT

Reduced humidity in workforce spaces will enhance comfort and improve learning outcomes

REGIONAL IMPACT

Access to affordable baccalaureate degrees for registered nurses through partnerships with MnSCU universities



Saint Paul CollegeCulinary Arts and Computer Numerical Control/
Machine Tool renovation**\$1,500,000**

This request executes two high-impact, small-scale projects to improve Culinary Arts and the Computer Numerical Control/Machine Tool spaces. The Culinary Arts project seeks to renovate classroom and kitchen space to allow for program expansion and more flexible use. The Computer Numerical Control/Machine Tool project will consolidate three programs into a common right-sized, flexible space which will enable equipment sharing, utilize existing space fully, and reduce costs.

- Designs, renovates, furnishes, and equips space to meet workforce training needs
- Renovates 3,800 GSF (Culinary Arts)
- Renovates 23,750 GSF (Computer Numerical Control/Machine Tool Lab)
- Impacts 10 classrooms/labs
- Each project will cost \$750,000 with construction schedules of 18 months or less

**STUDENT IMPACT**

Access to professional, safe and student-friendly space reflective of culinary industry standards

Increased afternoon, evening and weekend learning opportunities due to the creation of a single continuous machine tool area

**Minnesota State College-Southeast
Technical, Red Wing and Winona**

Welding, Science Lab, and classroom renovation

\$1,700,000

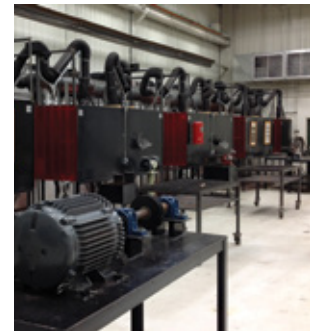
This project executes three high-impact small-scale projects on two campuses. The first project renovates and repurposes carpentry lab space configured for a program that is no longer offered on the Red Wing campus. The project will modernize 20-year-old lab space into multi-purpose smart classrooms, convert storage space into high-tech classroom space (with no additional square footage), and provide flexible multi-use space that will serve all academic programs of the college.

The projects on the Winona campus include renovation and repurposing of space vacated by auto technical and auto body programs into space needed for new Medical Lab Technician, Phlebotomy Lab Technician, and Welding and Mechatronics programs. The project will modernize 40-year-old instructional space to match industry standards and models, create a science lab dedicated to Allied Health areas, and bring students currently located at off-site, leased locations back to campus.

- Design, renovate, furnish, and equip space to meet workforce training needs
- **Red Wing Campus:**
 - Renovates 3,000 GSF (classrooms)
- **Winona Campus:**
 - Renovates 4,000 GSF (medical/phlebotomy labs)
 - Renovates 7,250 GSF (welding/mechatronics)
- Eliminates annual lease expenses and returns programs to campus
- Individual project costs will be between \$450,000 and \$750,000 with construction schedules of 18 months or less
- Impacts 4 classrooms/labs

STUDENT IMPACT

Students will benefit from multi-purpose, high-tech classroom space as well as expanded programming and easier access

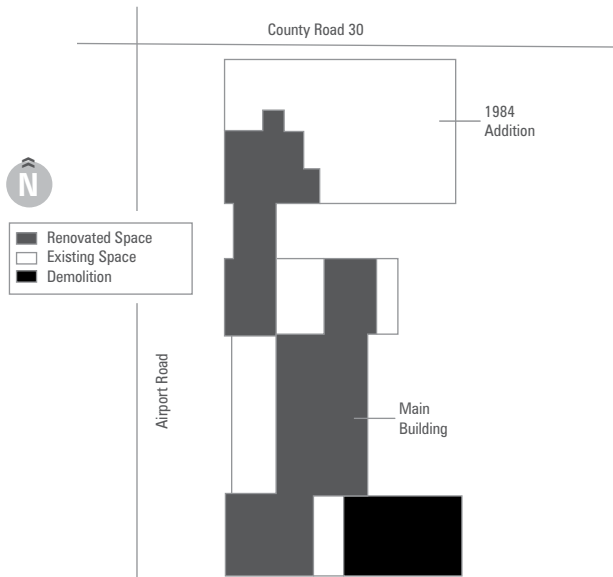


PRIORITY 08 **Central Lakes College, Staples**
Campus rightsizing, renovation
\$ 4,581,000



This project reconfigures and right-sizes critical portions of core service functions to provide more efficient and user friendly service, including relocating the Library and Computer Commons to the Student Services area to create a consolidated Learning Commons. The project also removes approximately 17,810 sq. ft. of obsolete space. It enhances the building's main entrance, renews dining commons, shop areas and main corridors throughout the facility. It includes upgraded facility energy systems to include photovoltaic solar panels and energy efficient windows and doors.

- Renovates core student service functions into a one-stop service center
- Creates a consolidated Learning Commons
- Renovates and renews 64,330 GSF
- Demolishes 17,810 GSF (mothballed space)
- Impacts 14 classrooms/labs
- Eliminates \$2.5 million of deferred maintenance backlog
- Includes solar and other alternatives in facility energy systems



STUDENT IMPACT

More advanced manufacturing, nursing, diesel mechanics and energy-based academic offerings as well as expanded energy related courses

REGIONAL IMPACT

Established manufacturers, such as 3M, and other manufacturers who have recently opened facilities in the Staples area will benefit from an increased number of highly-trained graduates

PRIORITY 09 **Minnesota State University, Mankato**
Clinical Sciences facility new construction and renovation
\$ 25,818,000



Funding of this Clinical Sciences facility will bring together three major departments (Nursing, Dental Hygiene and Speech, Language and Hearing), three clinics (Dental Hygiene; Nutrition Assessment; and Speech, Language and Hearing) and two labs (Performance Enhancement and Simulation) under one roof to create a comprehensive and multidisciplinary approach for learning and patient care.

The project leverages the clinical space to serve underserved and disadvantaged individuals in southern Minnesota and allows students to obtain hands-on clinical experience in pursuit of their degrees.

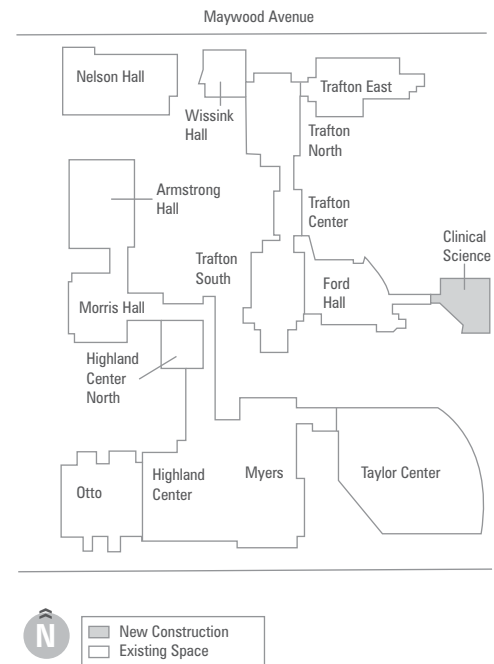
- Renovates and renews 21,775 GSF
- Constructs 55,717 GSF of new space
- Adds 24 labs and classrooms
- Adds 35 treatment, exam, observation or clinic spaces
- Impacts 3 faculty/student interactive spaces
- Impacts 24 offices and smaller support spaces
- Eliminates \$2.7 million of deferred maintenance backlog
- \$2.1 million appropriated in FY2012 for design

STUDENT IMPACT

Nursing students will be able to complete a portion of their internship requirements on-campus

REGIONAL IMPACT

Provides health services option for underserved and economically disadvantaged individuals in the region



Minnesota State Community and Technical College, Moorhead

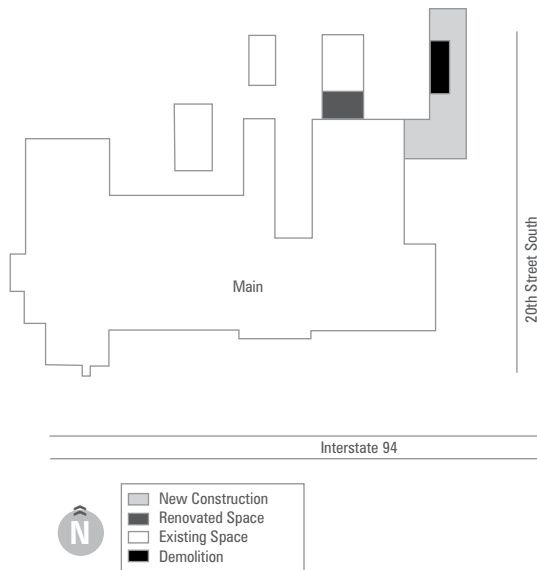
Transportation Center addition and renovation

\$ 6,544,000



Expansion of the Transportation Center for the automotive and diesel technology programs on the Moorhead campus of Minnesota State Community and Technical College accommodates larger, more modern diesel agriculture, construction and transportation equipment, and relieves substantial congestion in existing laboratories.

- Meets current and future program enrollment growth
- Renovates 23,186 GSF
- Constructs 22,630 GSF
- Demolishes 2,900 GSF
- Impacts 4 classrooms/labs
- Accommodates larger construction equipment
- Creates programs space focused on alternative fuels and hybrid power sources
- Eliminates \$433,000 of deferred maintenance backlog



STUDENT IMPACT

Automotive students will work on vehicles in groups of two instead of in groups of four – providing more hands-on training opportunity

REGIONAL IMPACT

Enables campuses to accept and offer training on larger equipment currently used by industry workforce partners

Rochester Community and Technical College

Art Hall renovation and post-demolition design of Plaza and Memorial Halls

\$ 1,000,000



As a result of the demolition of Plaza and Memorial Halls, functions and building occupants need to be relocated throughout the campus. The funds support design and preliminary relocations in 2014. The system expects to request additional funding in 2016 to complete the renovation work arising from the demolition work.

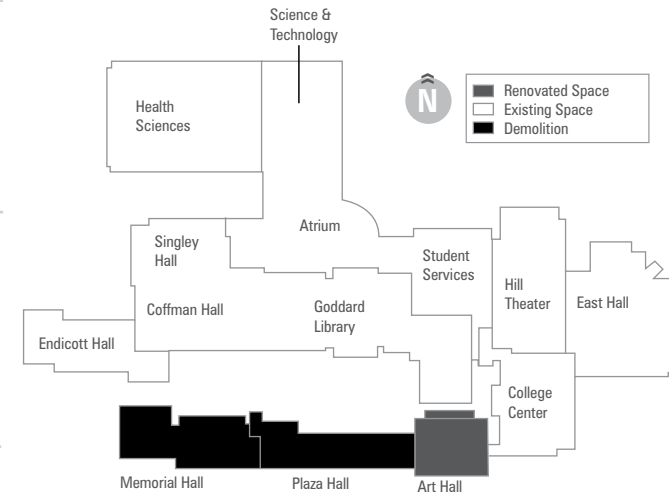
- Demolishes 34,000 GSF
- Renovates and renews 30,000 GSF (from relocation)
- Eliminates \$2.7 million of deferred maintenance backlog
- Anticipate FY2016 request of \$5–\$6 million to complete relocations and renovations resulting from demolition of existing buildings
- Project will reduce operating expenses and under-utilized space, and allow for campus rightsizing

STUDENT IMPACT

Students will benefit from updated, accessible and flexible classroom spaces across campus

REGIONAL IMPACT

Flexible spaces will allow for collaboration with businesses in the Rochester community such as Mayo Clinic, IBM, the Chinese School and others



12 Minnesota West Community and Technical College, Canby and Jackson

Classroom, Powerline facility, and Geothermal System renovation

\$ 3,487,000



Funding of projects at campuses in Canby and Jackson includes a substantial demolition and renovation component. The Canby project will be one of the largest of its kind to convert a main campus building from traditional steam heat to a geothermal system.

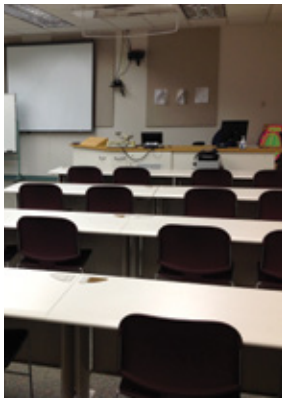
- Design, renovate, furnish, and equip space to meet workforce training needs
- Install alternative energy system to heat and cool a 40,000 sq. ft. building
- **Canby Campus:**
 - Renovates 40,000 GSF (Geothermal system)
- **Jackson Campus:**
 - Renovates 4,090 GSF (ITV Classroom)
 - Demolishes 18,000 GSF (Powerline facility)
 - Adds 8,400 GSF (Powerline facility) of new space
 - Returns powerline program to the main campus from a remote location
 - Powerline program relocation frees up remote location for sale
- Each project will cost between \$739,000 and \$2,000,000 with construction schedules of 18 months or less
- Impacts 25 classrooms/labs
- Eliminates \$500,000 of deferred maintenance backlog
- Removes obsolete spaces and responds to workforce demands

STUDENT IMPACT

Student-centered spaces allow easy access to classrooms/trade program labs and provide for greater student-faculty and student-student interaction

REGIONAL IMPACT

Improved retention of students who may have chosen to go out-of-state for Powerline programs



13 Dakota County Technical College

Transportation and Emerging Technologies renovation

\$ 7,586,000



The second phase of this two-phase project will allow the campus to complete remodeling for its transportation and emerging technologies programs. The renovation will create common instructional spaces and multi-use classrooms for heavy truck mechanics, heavy equipment mechanics and students in emerging technologies program such as nanotechnology and photonics, which will eliminate redundancies in specialized equipment and improve space utilization and efficiency.

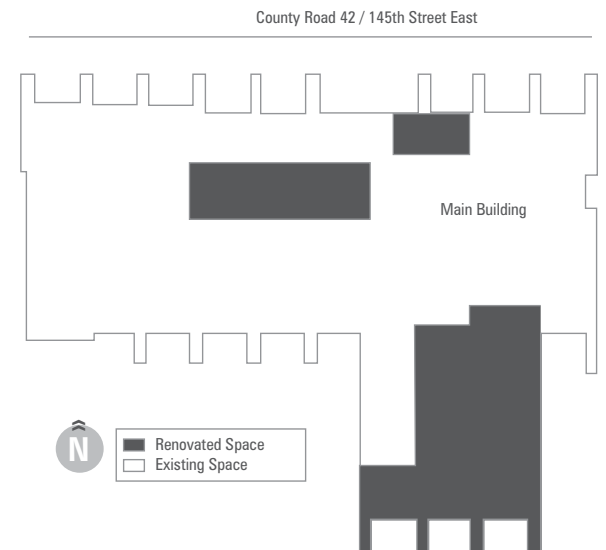
- Renovates and renews 65,550 GSF
- Advances science, technology, engineering and mathematics (STEM) initiatives through expanded technology and flexible lab space
- Reduces energy consumption by an estimated 20-30 percent
- Eliminates \$3.5 million of deferred maintenance backlog
- Schematic design complete

STUDENT IMPACT

Prepares more graduates to compete for high-wage, high-demand jobs in transportation and emerging technologies careers

REGIONAL IMPACT

Strengthens relationships with industry partners such as Ziegler Cat, Hysitron and John Deere, who rely on the programs impacted to provide industry-standard curriculum, training and skilled future employees



Century College

Digital Fab Lab, kitchen space, and Solar Panel System renovation

\$ 2,020,000



Small scale, initiative-style projects at Century College designed to renovate and enhance a Fabrication Lab, install solar arrays and repurpose kitchen space into new technology classrooms and revitalized classrooms with upgraded technology.

- Designs, renovates, furnishes, and equips space to meet workforce training needs
- Renovates and renews 4,500 GSF (Kitchen space)
- Renovates 3,450 GSF (Digital Fabrication Lab)
- Renovates 1,200 GSF (Solar Panel System)
- Each project will cost between \$490,000 and \$770,000 with construction schedules of 18 months or less
- Impacts 11 classrooms/labs
- Removes obsolete space and responds to workforce demands



STUDENT IMPACT

Provide students around the globe with the ability to locally conceptualize, design, develop, fabricate, and test almost anything in digital fab lab

REGIONAL IMPACT

Developed with MIT, the Century Fab Lab is one of only a handful of such labs in the United States, and one of only 26 in the world

Northland Community and Technical College, Thief River Falls

Aviation Maintenance facility addition and demolition

\$ 5,864,000



This project will replace Aviation Maintenance Technology facilities at the NCTC airport campus, which are inadequately designed to support the future needs of the Unmanned Aerial Systems (UAS) and Imagery Analyst programs. The project includes demolition and replacement of technical space to meet program objectives and industry requirements.

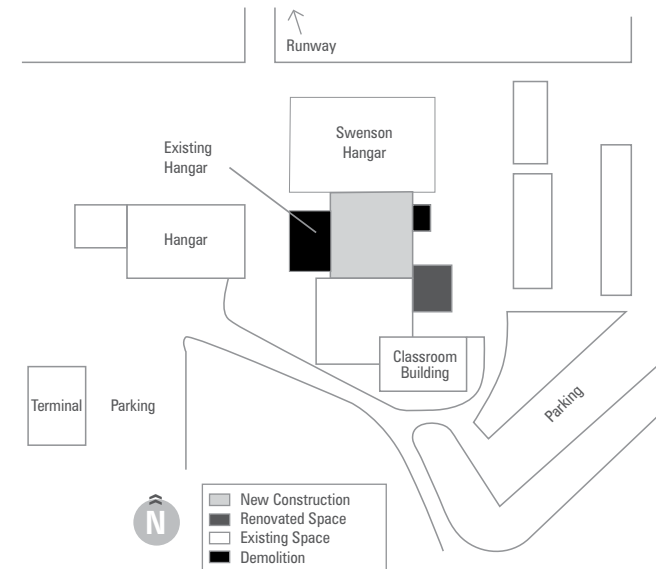
- First college in the United States to offer a degree program in UAS airframes and powerplant mechanics
- Renovates 5,500 GSF
- Constructs 20,400 GSF of new space
- Demolishes 21,680 GSF
- Impacts 4 classrooms/labs
- Increases enrollment and expands technology programs
- \$300,000 appropriated in FY2012 for design

STUDENT IMPACT

Provides students one of the first civilian programs of its kind related to unmanned aerial systems in the United States

REGIONAL IMPACT

Serves growing demand for highly skilled graduates in emerging UAS field



16 Northeast Higher Education District (NHED), Itasca, Rainy River, Vermilion, and Hibbing

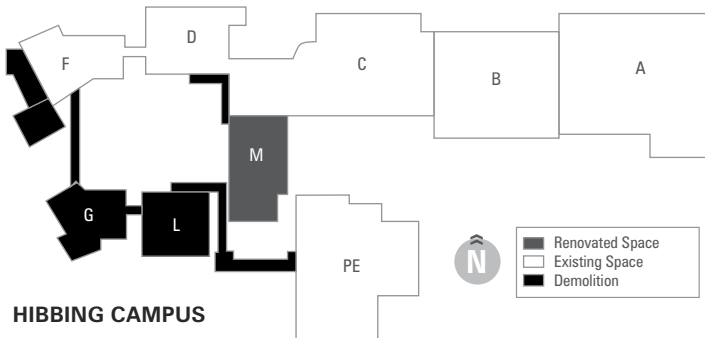
Science Lab, classrooms, Biomass Heating renovation, and demolition
\$ 3,344,000



These projects renovate classroom and lab spaces at four NHED colleges (Itasca, Rainy River, Vermilion and Hibbing) and include demolition at Hibbing and installation of a biomass boiler system at Itasca Community College.

- Designs, renovates, furnishes, and equips space to meet workforce training needs in the region
- Impacts 18 classrooms/labs
- **Itasca Campus:**
 - Renovates 1,859 GSF (Wilson Hall)
 - Biomass heating (campus-wide)
- **Rainy River Campus:**
 - Renovates 1,920 GSF (Clinical Nursing Lab)
- **Vermilion Campus:**
 - Renovates 2,172 GSF (Art classroom)
 - Renovates 4,997 GSF (Natural Science)
- **Hibbing Campus:**
 - Design and rightsizing of campus space
 - Renovates 11,500 GSF
 - Demolishes 46,805 GSF
- Each project will cost between \$311,000 and \$965,000 with construction schedules of 18 months or less
- Eliminates \$5.2 million of deferred maintenance backlog
- Removes obsolete spaces to respond to workforce demands

STUDENT IMPACT
 Students benefit from these smaller, targeted projects which improve lab, science classroom and art space to optimize the learning environment



HIBBING CAMPUS

17 Winona State University

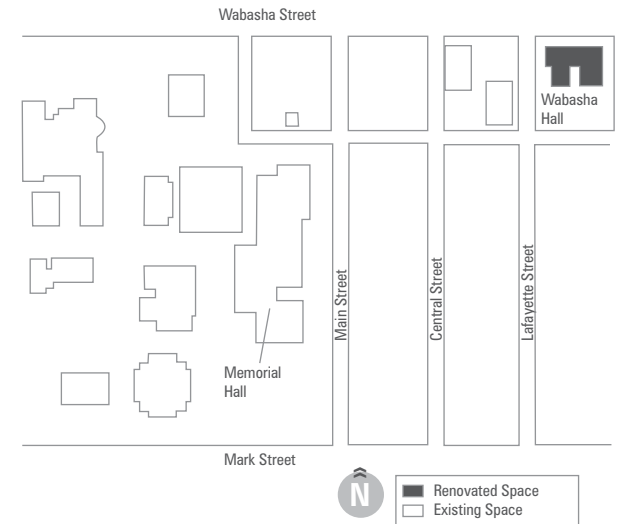
Education Village, Phase I renovation
\$ 5,902,000



The WSU predesign plan ultimately includes the wise reuse of three buildings renovated into a modern, integrated space that supports a truly transformative plan - purposefully-designed specialty labs and classrooms for all education programs. Phase I starts with the 2014 partial renovation of Wabasha Hall. The new space is critical to support the delivery of innovative curriculum that provides an extraordinary education for the preparation of teachers and school professionals.

- Renovates classrooms, student labs, observation rooms, and faculty offices to create a holistic learning and mentoring environment
- Renovates 18,816 GSF
- Constructs 1,000 GSF of new space
- Eliminates \$8 million of deferred maintenance backlog
- Impacts 20 classrooms/labs

STUDENT IMPACT
 Students benefit from a design that supports diverse learning styles and the most efficient delivery of instruction, which takes full advantage of emerging methods and tools



Anoka Technical College

Manufacturing Technology Hub and Auto Tech Lab renovation

\$ 1,500,000



Projects update classrooms and equipment to accommodate increased demand in manufacturing and automotive programs and deliver updated curriculum to keep graduates current with industry standards.

- Design, renovate, furnish, and equip space to meet workforce training needs
- Renovates 10,070 GSF (Automotive Technology)
- Renovates 31,955 GSF (Manufacturing Technology Hub)
- Each project will cost \$750,000 with construction schedules of 18 months or less
- Impacts 9 classrooms/labs
- Removes obsolete spaces and responds to workforce demands



STUDENT IMPACT

Students will benefit from training in real-world settings with new automotive diagnostic equipment and repair technologies currently being used in industry

Saint Paul College

Health and Science Alliance Center addition

\$ 14,482,000

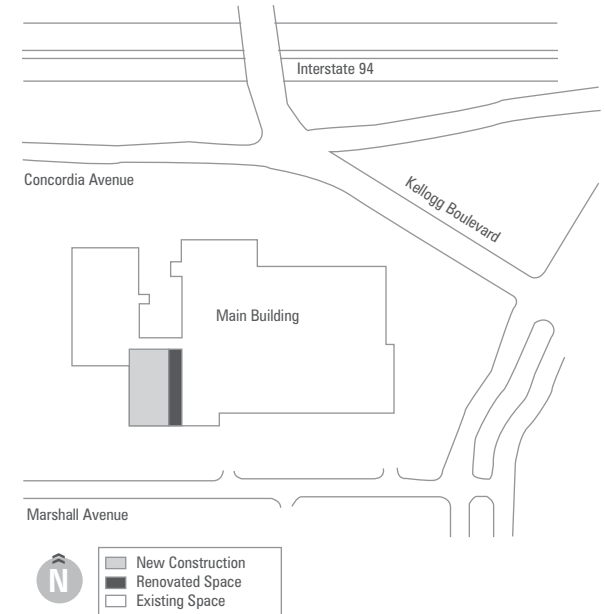


A Health and Science Alliance Center addition will address the growing demand and inadequate space for health and science programs currently offered on the Saint Paul College campus. Demand for STEM and health courses has continued to grow; lab and related classroom space constraints limit the college's ability to meet the growing demand.

- Accommodates enrollment growth to meet current allied health and STEM needs and new health programs
- Renovates 1,960 GSF
- Constructs 42,170 GSF of new space
- Provides 'one-stop shop' for Student Services
- Creates 14 new classrooms/labs
- Provides campus with a competitive edge in attracting and retaining students
- \$1,500,000 appropriated in FY2012 for design
- Eliminates \$780,000 of deferred maintenance backlog

STUDENT IMPACT

Added capacity will serve approximately 200 more full-time students a year in science and health related courses

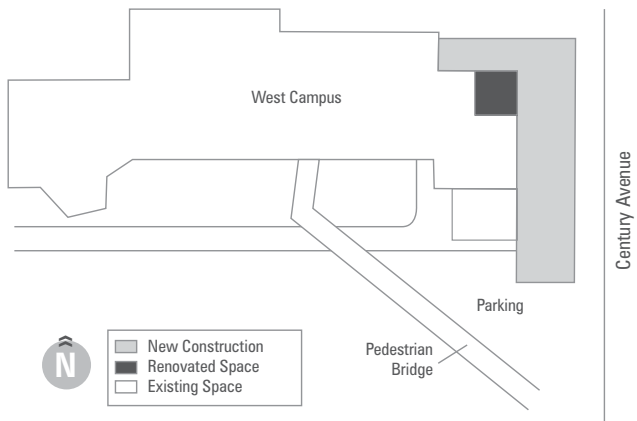


PRIORITY 20 Century College
Classroom and workforce alignment addition
\$ 1,000,000



Funding for the Design of an addition and to transform existing outdated spaces on the college's west campus into highly flexible, technologically relevant, multi-use learning labs and active learning classrooms – learning spaces to teach the necessary skills and meet the critical needs of regional employers.

- Renovates and renews 5,000 GSF
- Constructs 25,584 GSF of new space
- Impacts 10 classrooms/labs
- LEED Gold or Platinum standard proposed
- Modular spaces with flexibility to meet changing demands in academic programming
- \$5 million appropriated in FY2012 for design and construction
- Eliminates \$334,000 of deferred maintenance backlog



STUDENT IMPACT
Increased access to classes that feed into baccalaureate programs and enable collaboration among colleges, universities, and community/regional groups and employees

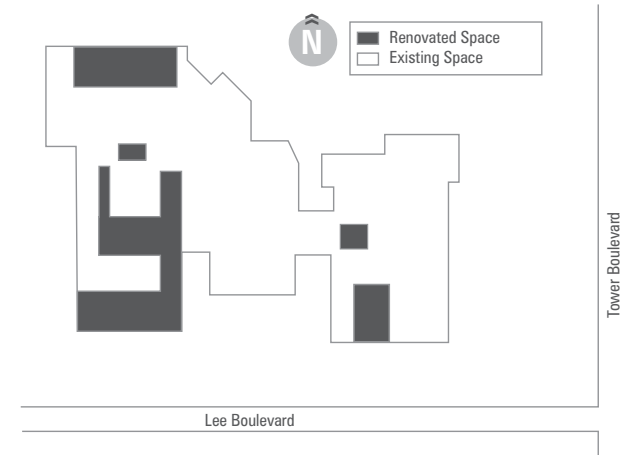
PRIORITY 21 South Central College, North Mankato
STEM and healthcare renovation
\$ 7,467,000



Funding of this project will renovate healthcare, STEM, computer, and agribusiness laboratory and classroom spaces to create student and faculty environments that simulate real-world technical experiences and prepare students to enter the workforce. These enhanced spaces will foster more efficient use of space, encourage and support collaboration, and increase access and opportunities for alliance with business and industry partners.

- Renovates 19,765 GSF
- Renews 71,125 GSF
- Eliminates asbestos in 21,600 GSF
- Replaces 12,210 GSF of roof
- Impacts 31 classrooms/labs
- Eliminates \$2.9 million of deferred maintenance backlog
- Meets increased enrollment and expands healthcare program facilities

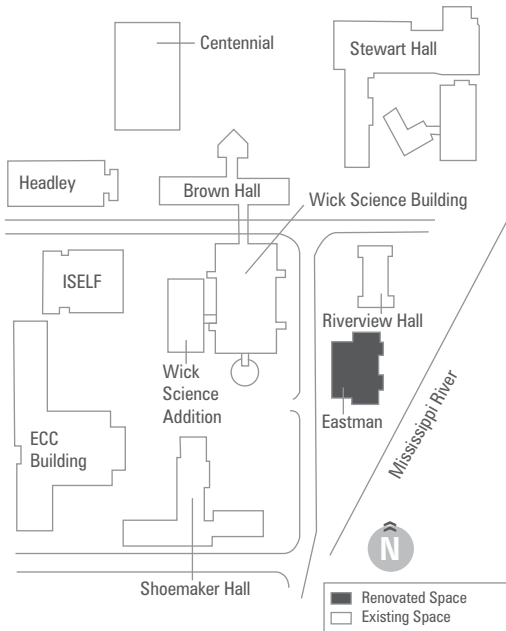
STUDENT IMPACT
The addition of new technology (similar to ITV) in the fab lab will allow students to connect their peers in fab labs at other MnSCU colleges and universities as well as institutions across the United States





Renovation of Eastman Hall will create greater integration of academic and student service programs. The location of School of Health and Human Services, Human Performance Lab, Student Health Services, and the U-Choose Program in Eastman Hall will serve a growing, diverse student population as well as develop collaborative interdisciplinary programs to support workforce demands in health and human services. Improving these professional spaces will allow existing academic programs, such as radiologic technology, to offer more real world experiences to students.

- Co-locates 4 student health services programs in a facility currently not in use
- Renovates 43,291 GSF
- Constructs 15,562 GSF in mezzanine area, while keeping the building's footprint the same
- Eliminates \$3.8 million of deferred maintenance backlog
- Strengthens ties with local medical communities
- Utilizes existing space for additional square footage without creating new footprint



STUDENT IMPACT

The addition of on-site radiologic imaging provides opportunity for clinical experiences, job shadowing, research opportunities, internship and practicum experiences

REGIONAL IMPACT

Strengthen ties with local professional and medical communities and collaboration with St. Cloud Technical and Community College for student services



This project establishes a collaborative Center for Student and Workforce Success on the Fergus Falls Campus, and renovates seven classrooms into a combination of classroom and new library space at the Wadena campus.

- Creates space to meet workforce training needs
- **Fergus Falls Campus:**
 - Renovates 12,443 GSF (Center for Student and Workforce)
 - Matching funds of \$750,000 (private donations)
- **Wadena Campus:**
 - Renovates 7,470 GSF (Campus Rightsizing Phase 2)
- Each project will cost between \$605,000 and \$750,000 with construction schedules of 18 months or less
- Impacts 5 classrooms/labs
- Removes obsolete spaces to respond to workforce demands

STUDENT IMPACT

Students will benefit from updated study and research space



REGIONAL IMPACT

The college's access, career and transfer services will combine with services offered by the current Regional Workforce Center and its participating federal, state and local partners in Fergus Falls



PRIORITY 24 Northland Community and Technical College, East Grand Forks
Laboratory renovation
\$ 749,000



Renovation of three science laboratories and the Radiologic Technology Laboratory will provide appropriate, safe learning environments, adequate storage, and needed space for new digital imaging equipment.

- Designs, renovates, furnishes, and equips space to meet workforce training needs
- Renovates 5,370 GSF
- Construction schedule of 18 months or less
- Impacts 4 classrooms/labs
- Renovation of obsolete spaces to respond to workforce demands
- Aligns with equipment obtained through leveraged equipment program



STUDENT IMPACT

Chemistry lab capacity will be increased from 18 to 24 students per class, with disability accommodations, making these high-demand classes available to more students

PRIORITY 25 Winona State University
Phelps Hall Psychology Lab renovation
\$ 592,000



This project will renovate space currently used for Psychology courses on the second floor of Phelps Hall to be more flexible, efficient and up-to-date with today's technology and teaching methods. This includes upgrades to the existing HVAC and electrical systems that serve these areas, which will increase system efficiency and decrease deferred maintenance and operating costs.

- Designs, renovates, furnishes, and equips space to meet workforce training needs
- Renovates 3,703 GSF
- Impacts 5 classrooms/labs
- Upgrade electrical and HVAC
- Construction schedule of 18 months or less

STUDENT IMPACT

More students will be able to conduct neuroscience research in the areas of Biology, Chemistry, Pre-Medicine, Pre-Pharmacy, Nursing, and Health/Exercise/Rehabilitative Sciences



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