The Minnesota State Colleges & Universities System

2008 CAPITAL BUDGET REQUEST

Building a Smarter Minnesota

382,000 REASONS TO REINVEST

Minnesota
STATE COLLEGES
& UNIVERSITIES

Building a Smarter Minnesota

382,000 Reasons to Reinvest

The 382,000 students who take courses each year from the 32 Minnesota State Colleges and Universities will benefit directly from the system's bonding projects. By providing up-to-date laboratories, classrooms and student services centers, the system enables students to focus on acquiring the skills and knowledge needed to succeed.

As stewards of these facilities, the system is responsible for maintaining the state's investment in more than 25 million square feet of buildings. Conserving natural resources through sustainable renovation and construction methods is a major emphasis. The projects follow established building design standards for energy efficiency, healthy air quality and use of recycled and "green" products where feasible. (See Page 38 for more information about the system's planning for sustainability.)

In the past 10 years, the system has increased enrollment by 25 percent but added only about 10 percent of new square footage to its overall building space. That has been accomplished through renovation and better use of existing facilities by realigning space and adding technology and distance learning.

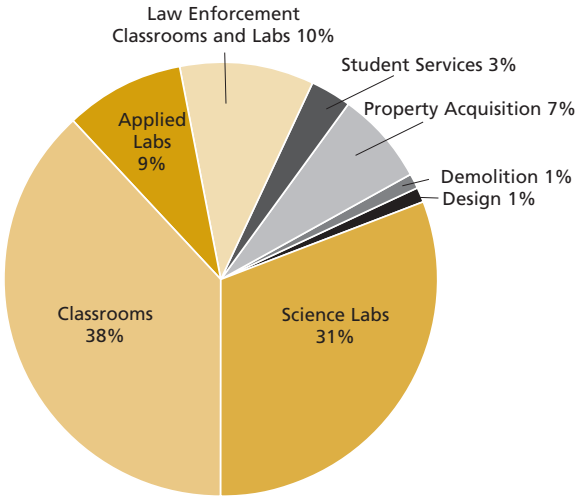
Building a Smarter Minnesota: 382,000 Reasons to Reinvest describes 37 projects in the system's $350.2 million capital request to the 2008 Legislature. The highest priority is a request for $110 million in repair and replacement funds to replace 940,000 square feet of roofs, make electrical and mechanical improvements, and comply with accessibility, fire safety and health code requirements.

Colleges and universities continue to expand high-demand health care and science programs, and the system has instituted an ongoing series of laboratory renovations and expansions to help meet the need for graduates prepared in these fields. Several projects also focus on increasing the availability of support services – such as advising, counseling and tutoring – to help students succeed in college and graduate.

In keeping with the Board of Trustees policy for maintaining the campuses, more than 1.2 million square feet of buildings will be renovated or designed for future renovation in this budget; renovation extends a building's useful life and contributes to the goal of sustainability in building management. Another 573,000 square feet will be new construction.

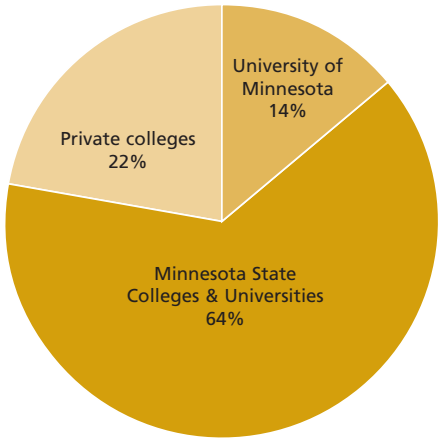
The projects will eliminate $204.9 million in deferred maintenance across the system when completed over the next four years as planned.

Laboratories, classrooms make up 88 percent of 2008 capital requests



The 2008 capital request focuses on classrooms, science and applied labs, and law enforcement classrooms and labs. Percentages are based on the $240.2 million total cost of the projects, not including the $110 million request for repair and replacement projects.

System serves majority of Minnesota undergraduate students



The Minnesota State Colleges and Universities serve almost two-thirds of the state's resident undergraduate students enrolled in credit classes in public and private higher education. Totals are based on headcount enrollment for fall 2006.

Source: Minnesota Office of Higher Education

Note: The 382,000 students referred to in the title of this book represent unduplicated annual headcount in credit and noncredit courses for fiscal year 2007. Unless otherwise noted, all other enrollment statistics in the book refer to credit-based full-year-equivalent enrollment, which is calculated by adding up the credits taken by all students and dividing by the number of credits considered to be a full-time course load of 30 credits per year for undergraduate students or 20 credits per year for graduate students. The system's full-year-equivalent enrollment in fiscal year 2007 was 135,839.

The Minnesota State Colleges & Universities System

2008 Capital Budget Request Summary

Rank	Institution	Project Description	$ Millions (rounded)
1	**All Minnesota State Colleges & Universities**	Repair & replacement	**$110.0**
2	**Minnesota State University, Mankato**	Trafton Science Center renovation	**$25.5**
3	**St. Cloud State University**	Brown Hall science renovation	**$14.8**
4	**Saint Paul College**	Transportation & applied technology lab renovation	**$13.5**
5	**Bemidji State University**	Sattgast Hall science addition & renovation	**$8.9**
6	**Normandale Community College,** Bloomington	Classroom addition & renovation	**$7.0**
7	**Inver Hills Community College,** Inver Grove Heights	Classroom addition & renovation	**$13.2**
8	**North Hennepin Community College,** Brooklyn Park	Business & technology addition & renovation	**$13.3**
9	**Eleven campuses**	Science lab renovations	**$5.8**
10	**Northland Community & Technical College,** East Grand Forks	Classroom addition & renovation	**$7.8**
11	**Minnesota State University Moorhead**	Lommen Hall renovation	**$13.1**
12	**Century College,** White Bear Lake	Classroom & student support space renovation	**$7.9**
13	**Southwest Minnesota State University,** Marshall	Science & hotel & restaurant administration labs renovation	**$9.0**
14	**Seven campuses**	Classroom renovations	**$3.6**
15	**Lake Superior College,** Duluth	Health Science Center addition	**$11.0**
16	**Metropolitan State University,** St. Paul	Classroom Center addition	**$5.0**
17	**Alexandria Technical College**	Law Enforcement Center addition	**$10.5**
18	**Metropolitan State University** **Minneapolis Community & Technical College**	Co-located Law Enforcement Center	**$13.9**
19	**Northeast Higher Education District** Mesabi Range Community & Technical College, Eveleth	Shop space addition & renovation	**$5.0**
20	**Winona State University**	Memorial Hall addition & renovation	**$8.4**
21	**Minnesota State Community & Technical College** Moorhead	Mechanical trades addition & classroom & library design	**$2.8**
22	**Anoka-Ramsey Community College,** Coon Rapids	Classroom construction & renovation design	**$3.8**
23	**Hennepin Technical College,** Eden Prairie, Brooklyn Park	Science & Learning Center design	**$2.4**
24	**Minneapolis Community & Technical College**	Workforce renovation design	**$0.7**
25	**Ridgewater College,** Willmar	Technical instruction construction & renovation design	**$3.5**
26	**Minnesota West Community & Technical College,** Worthington	Fieldhouse renovation & addition	**$4.0**
27	**South Central College,** Faribault	Classroom renovation & addition design	**$0.7**
28	**Eight campuses**	Property acquisition	**$13.1**
29	**Three campuses**	Demolition	**$2.8**
30	**Property acquisition**	Owatonna College & University Center	**$3.5**
31	**Anoka-Ramsey Community College,** Coon Rapids **North Hennepin Community College,** Brooklyn Park	Biosciences & allied health workforce design	**$1.9**
32	**Minnesota State University Moorhead**	Livingston Lord Library renovation design	**$0.7**
33	**Southwest Minnesota State University,** Marshall	Science lab renovation design	**$0.3**
34	**St. Cloud State University**	Integrated science & engineering lab design	**$1.9**
35	**Dakota County Technical College,** Rosemount	Transportation & emerging technologies lab design	**$0.3**
36	**St. Cloud Technical College**	Allied Health Building renovation design	**$0.3**
37	**Rochester Community & Technical College**	Workforce center & school district co-location design	**$0.3**
		Total	**$350.2**
		User financing	**- $77.3**
		General obligation bond financing request	**$272.9**

Systemwide repair and replacement projects

2008 Capital Budget Request

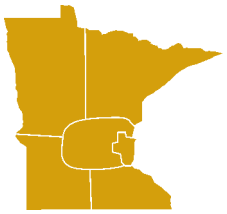
Institution	Project Description	$ million (rounded)
Alexandria Technical College, Alexandria	Repair storm water conveyance system; replace water-damaged flooring, roofs & HVAC phase 1	2.9
Anoka-Ramsey Community College, Coon Rapids	Replace air handling units	3.5
Anoka Technical College, Anoka	Replace chillers	1.2
Bemidji State University/Northwest Technical College	Replace chillers, roof, window sills, elevators & tuckpoint	3.9
Central Lakes College, Brainerd, Staples	Replace fire alarm system, boiler, roof & HVAC	2.0
Century College, White Bear Lake	Repair & replace exterior walls, elevators, ramp & exterior walkways, air handlers, compressors, main electrical feeders, roof & entrance vestibule	3.5
Dakota County Technical College, Rosemount	Replace cooling tower & roofs	4.9
Fond du Lac Tribal & Community College, Cloquet	Repair restrooms to ADA code	0.2
Hennepin Technical College, Brooklyn Park	Replace boiler & HVAC system	2.7
Inver Hills Community College, Inver Grove Heights	Implement energy projects from commissioning audit; repair exterior building foundation phase 1	0.9
Lake Superior College, Duluth	Repair cooling & tuckpoint, replace windows	0.7
Metropolitan State University, St. Paul	Repair & replace security, HVAC & emergency management systems	0.6
Minneapolis Community & Technical College	Update fire suppression; replace roofs, skylight, windows & masonry	5.0
Minnesota State Community & Technical College, Detroit Lakes, Moorhead, Wadena	Repair & replace doors & windows, HVAC, electrical & plumbing	2.1
Minnesota State College - Southeast Technical, Red Wing, Winona	Replace boilers, converter, storage tank; redirect campus entrance road	0.7
Minnesota State University, Mankato	Repair & replace exterior masonry & walls, HVAC, roofs, utilities & water main phase 1	8.7
Minnesota State University Moorhead	Repair & replace HVAC, roofs, roof exterior & walls	6.5
Minnesota West Community & Technical College, Pipestone, Worthington	Repair & replace roofs & HVAC	2.4
North Hennepin Community College, Brooklyn Park	Replace roofs	2.7
Northeast Higher Education District		
Hibbing Community College	Replace roofs, utility, HVAC & electrical phase 1	2.4
Itasca Community College, Grand Rapids	Replace roofs	0.6
Mesabi Range Community & Technical College, Eveleth	Replace boiler system	1.6
Rainy River Community College, International Falls	Tuckpoint	0.1
Vermilion Community College, Ely	Replace roofs, boiler system, controls & HVAC	3.0
Normandale Community College, Bloomington	Replace roof & tuckpoint	1.4
Northland Community & Technical College, East Grand Forks, Thief River Falls	Replace HVAC, emergency generator & electrical feeder	2.5
Pine Technical College, Pine City	Replace roofs, boiler & HVAC	3.4
Ridgewater College, Willmar	Replace central heating system & roofs; repair building walls	3.0
Riverland Community College, Albert Lea, Austin	Replace HVAC & roof	6.2
Rochester Community & Technical College	Replace roof; abate building asbestos; repair exterior & tuckpoint	3.6
South Central College, Faribault, North Mankato	Repair & replace restrooms, elevators & roofs	1.6
Southwest Minnesota State University, Marshall	Repair & replace HVAC, exterior walls, chiller system, electrical, roof & elevators	4.2
St. Cloud State University	Repair & replace boilers, HVAC, roofs, chiller system, plumbing; design emergency power system	9.3
St. Cloud Technical College	Replace electrical components & roofs	1.6
Saint Paul College	Replace HVAC, elevator, roofs, fire detection system; repair restroom to ADA code	3.0
Winona State University	Replace HVAC & design utility tunnel replacements	6.2
All Minnesota State Colleges & Universities	Design for roofs & HVAC replacements	1.1
	Total	**$110 Million**

All Minnesota State Colleges & Universities

Repair & replacement

1

$110,000,000



Project at a Glance:

- Projects are aimed at keeping students warm, safe and dry at all 32 state colleges and universities
- $39.4 million – more than one-third – of the request is for replacing 940,000 square feet of roofs on 22 campuses
- $42.3 million is for heating, ventilation and air conditioning systems to improve energy efficiency and air quality and reduce operating costs
- Life and fire safety code compliance and utility infrastructure make up the remainder of the request
- Renovation and repairs follow sustainable principles to lengthen the useful life span of campus facilities

Student Impact:

Repair and replacement of failing plumbing, electrical and mechanical equipment and leaky roofs will provide students with safer, more comfortable classrooms and labs – a top priority set by the Board of Trustees for the Minnesota State Colleges and Universities in its 2008 capital budget request.

This project comprises more than 215 projects totaling $110 million to protect the public's investment in academic buildings and other facilities across the system. By improving energy efficiency, air quality and code compliance, the system extends the useful life of campus buildings and carries out principles of sustainability and conservation.

Failing roofs, exteriors need repair

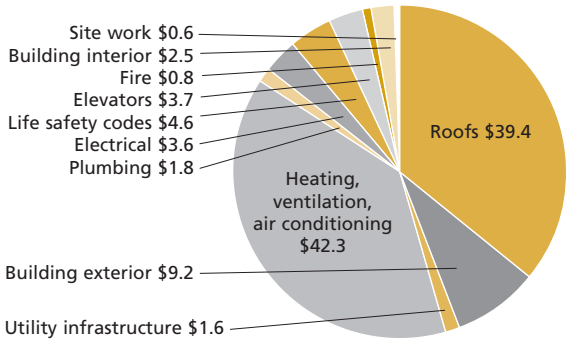
As custodian of 292 acres of roofs on academic buildings, the system has a systematic program to replace all failing flat roofs with built-up asphalt slope-to-drain roofs.

Replacement of the roof – the most critical waterproofing element on a building – protects the building structure, contents and occupants, and prevents mold and structural damage. These replacements, along with mechanical and electrical improvements, are expected to save up to $1 million annually in operational costs.

The present roof program began in 1984 with the state universities and expanded to the two-year colleges in 1995 when the systems merged. When previously authorized construction is completed, 48 percent of the roofs will meet the system's standards. The next six-year plan will increase the energy-efficient, built-up roof space to nearly 70 percent.

All campus roofs are inspected by professional engineers every year and rated for remaining useful life. The colleges and universities originally requested $85 million for roof replacements; this request was pared down to the most critical $39.4 million. Leaking roofs lead to additional operational costs, potential air quality issues and structural integrity concerns.

Repairs, replacements needed for aging buildings



Heating, ventilation and air conditioning replacement and repair, roof replacements and building exterior work make up more than three-fourths of the $110 million request.

The average age of campus buildings is close to 40 years; many of the exterior brick walls require repairs, and windows require replacement to stop water and air leakage. This category of repair has grown in the last decade, with requests of more than $21 million submitted from colleges and universities; $9.2 million is in this request for the most critical projects.

Mechanical, electrical improvements needed

This request proposes 45 campus projects totaling $45.9 million for replacing worn-out, outdated, energy-inefficient mechanical and electrical systems. These include boilers, chillers, energy-management systems and electrical transformers.

Most campus buildings in the system were built in the 1960s and 1970s, and mechanical systems now have far outlived their life expectancy. Although campus maintenance personnel have been patching, repairing and maintaining these systems, many of these systems must be replaced.

These requests are aimed at improving air quality and code compliance and reducing energy consumption at the campus.

Life safety, fire and elevator code

Elevators across the system need safety upgrades by 2012 because of a new state law. Of the 300 elevators in the system, about 190 will be affected by the code change. Campuses estimate that meeting the code changes will cost $14 million to $19 million; this request calls for $3.7 million for elevator upgrades in this biennium.

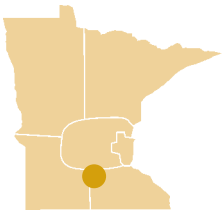
Many campuses are striving to improve life safety code compliance; this top-priority project in the capital budget is the only funding source for many campuses.

Minnesota State University, Mankato

Trafton Science Center renovation

2

$25,500,000



Project at a Glance:

- Design funded in 2005, new construction in 2006
- Renovate 74,000 square feet of science and multipurpose classrooms and offices that include the biology department, biology labs and classrooms, offices and greenhouse
- Extend useful life of 74,000 square feet by improving classroom and laboratory spaces, electrical and mechanical systems, fire sprinkler system and roof
- Remove hazardous asbestos
- Reduce operating costs by installing energy-efficient air handlers and exhaust fans
- Use recycled content or renewable "green" products where feasible
- Select durable and long-lasting finishes and materials
- Use materials with high post-consumer recycled content and low levels of volatile organic compounds to maintain a healthy indoor environmental quality
- Use energy-efficient mechanical, electrical and water-saving devices
- Eliminate $19 million of deferred maintenance projects

Student Impact:

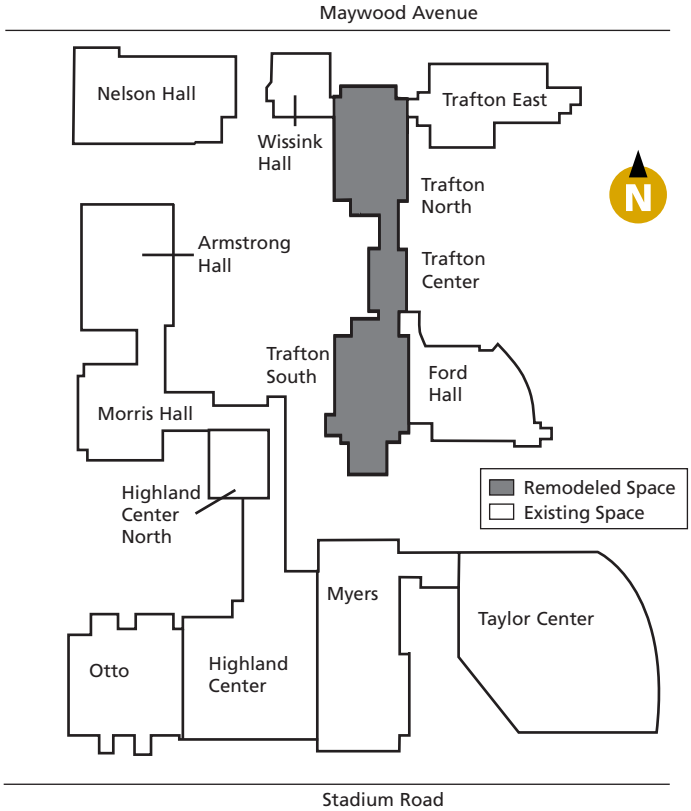
Trafton Hall opened in 1972 when only 700 students were enrolled as science majors. Since then, enrollment in the sciences has quadrupled to 2,800 students with expanded curriculum in engineering, engineering technology, biotechnology, molecular biology, biochemistry, astronomy, statistics, microbiology, toxicology, human biology and physiology. The Trafton Science Center now houses courses that generate 30 percent of the university's credit hours. This complex alone is larger than 22 of the system's 53 campuses.

The project will correct significant deficiencies in the existing building. Renovation will replace the 36-year-old inefficient and worn-out heating and ventilation equipment with energy-efficient equipment. More efficient lab spaces will allow for greater classroom use, increasing the number of students using the structure.

The center section will be used for instruction and administrative offices. Consolidating labs in one location allows for a common support staff and for operational and energy efficiency. Locating chemistry and biochemistry close together will enhance collaboration and sharing of sophisticated equipment.

The project will house the Center for Engineering and Manufacturing Excellence, one of four centers of excellence established in 2005 by the Minnesota State Colleges and Universities Board of Trustees.

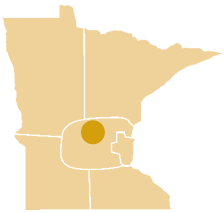
Laboratories in the 36-year-old building will be renovated for greater efficiency and to accommodate increased science program enrollment.



St. Cloud State University

Brown Hall
science renovation

3
$14,800,000



Project at a Glance:

- Design funded in 2005
- Phase 1 new addition construction funded in 2006, to be completed in 2008
- Renovate 75,000 square feet of existing building for science education, nursing, communication sciences and disorders, continuing studies and optics programs
- Replace windows, roof and electrical and mechanical systems
- Use recycled content or renewable "green" products where feasible
- Select durable and long-lasting finishes and materials
- Use materials with high post-consumer recycled content and low levels of volatile organic compounds to maintain a healthy indoor environmental quality
- Use energy-efficient mechanical, electrical and water-saving devices
- Eliminate $1.2 million of deferred maintenance projects

Student Impact:

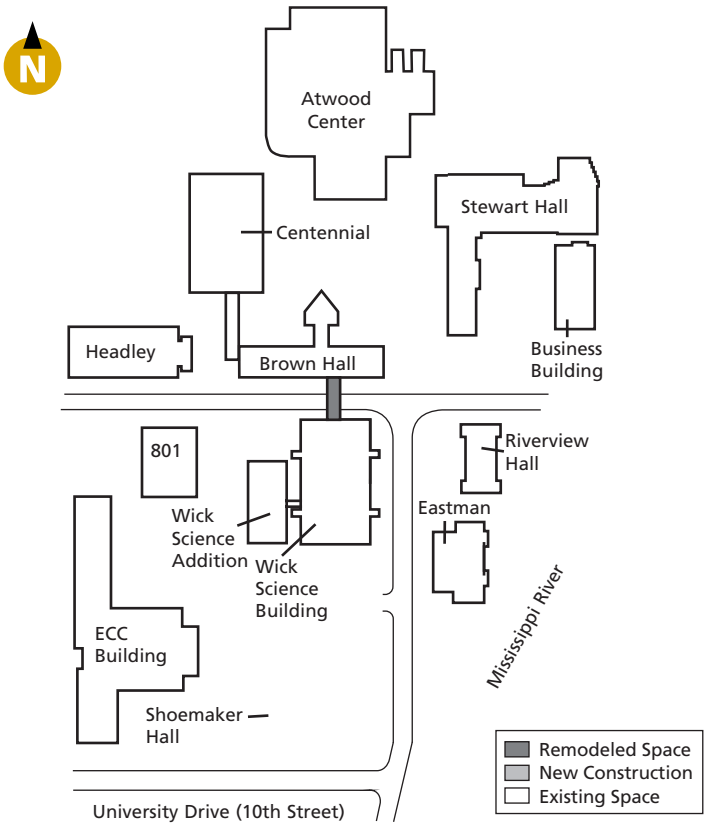
Renovation of the 50-year-old Brown Hall will more efficiently meet the needs of nursing and prenursing students. The university's nursing program, begun seven years ago, is housed off campus in leased space. Faculty members are located in four buildings. Bringing the nursing program to campus will save $82,000 in annual lease costs.

Minnesota has a shortage of nurses. The most acute need is for nurses with advanced degrees. This project will consolidate and enlarge the nursing program from leased off-campus spaces and allow for a master's degree nursing program. The program has grown to 120 nursing students plus 300 in prenursing. Many qualified candidates are turned away due to capacity limitations this project will help address.

Audiology and speech pathology programs currently have inadequate and obsolete lab facilities. The communications disorders program boasts a 90 percent pass rate on national certifications (the national average is 75 percent) and the post-graduate program turns away about 25 students a year due to lack of space. The graduate program could double with this renovation.

The continuing studies program also has seen dramatic growth and requires a new location to meet on-campus needs. The program serves distance education and customized training students and manages online programs. The renovation will provide sufficient space to meet these needs. The renovation also will provide an auditorium space for larger assemblies.

Original 1958 lab spaces need renovation to increase student enrollment capacity and efficient space use in nursing and other programs.

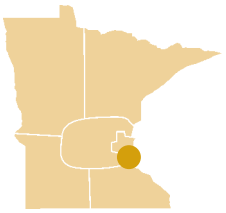


Saint Paul College

Transportation & applied technology lab renovation

4

$13,500,000



Project at a Glance:

- Design funded in 2006
- Renovate 105,900 square feet for auto body repair, automotive technician, diesel truck mechanic, carpentry, pipefitting, cabinetmaking and land surveying programs
- Construct 5,200 square feet to include a mechanical penthouse, a paint booth and extending a lab to house a drive-on dynamometer that tests vehicle performance
- Improve mechanical systems and reduce heating costs with new energy-efficient air supply systems
- Reduce particulates emitted into the atmosphere by installing filters for automotive and truck program exhaust systems
- Improve emissions from boilers, reducing the current carbon footprint
- Convert single-purpose classrooms into flexible multiuse classrooms for efficiency
- Use recycled content or renewable "green" products where feasible
- Eliminate $1.5 million of deferred maintenance projects

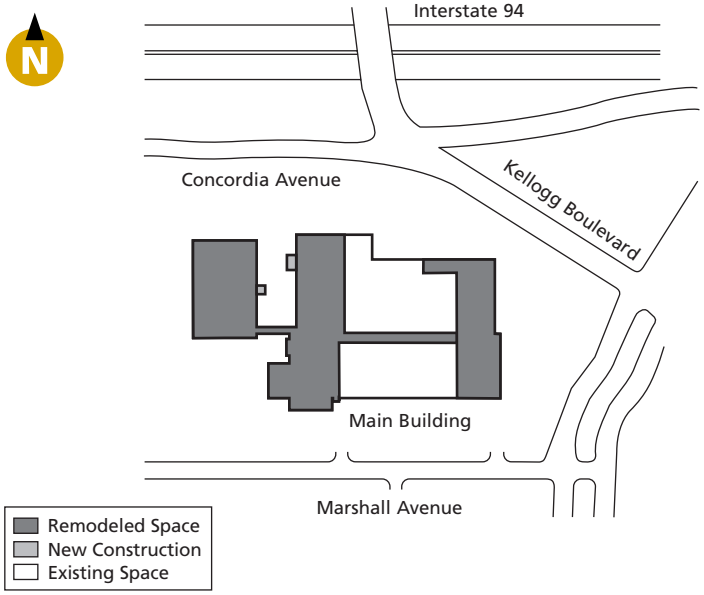
Growing automotive programs in this 44-year-old building are among trade and industrial programs to benefit from renovation projects.

Student Impact:

The college has experienced more than a 50 percent growth in enrollment during the last eight years, partly due to its mission change from a technical college to a comprehensive community and technical college.

The first phase of the trades and technical space renovation, approved in 2005, improved health and safety, space efficiency and flexibility, and infrastructure in several construction trades areas on the ground floor.

This second phase of the project will complete the enhancement of trade and technical programs, which account for 21 percent of college enrollment. This project will correct a lack of appropriate labs and classroom spaces, and will improve the college's ability to attract and retain students. In addition, the project will cluster similar programs to facilitate shared resources and interdisciplinary learning. Technology upgrades in classrooms and labs will replicate conditions found in modern workplaces, enabling the college to produce graduates trained to meet the needs of local industries and help them remain competitive.

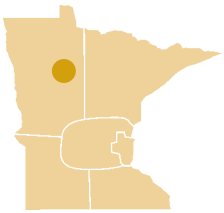


Bemidji State University

Sattgast Hall science addition & renovation

5

$8,900,000



Project at a Glance:

- Design funded in 2006
- Construct 21,600 square feet for aquatic biology, general biology and general chemistry labs
- Renovate 8,330 square feet for nursing, botany, anatomy and physiology
- Design building systems (structural, mechanical, electrical) with maximum flexibility to configure space for future programs
- Use natural daylight to supplement artificial lighting and sun control measures to avoid unwanted heat gain
- Use recycled content or renewable "green" products where feasible
- Select finishes and materials to provide durable and long-lasting environments
- Use materials with high post-consumer recycled content and low levels of volatile organic compounds to maintain a healthy indoor environmental quality
- Use energy-efficient mechanical, electrical and water-saving devices
- Support science, technology, engineering and math initiatives
- Eliminate $2.3 million of deferred maintenance projects
- Demolish 4,000 square feet of Peters Aquatics Lab to eliminate $903,000 of deferred maintenance projects

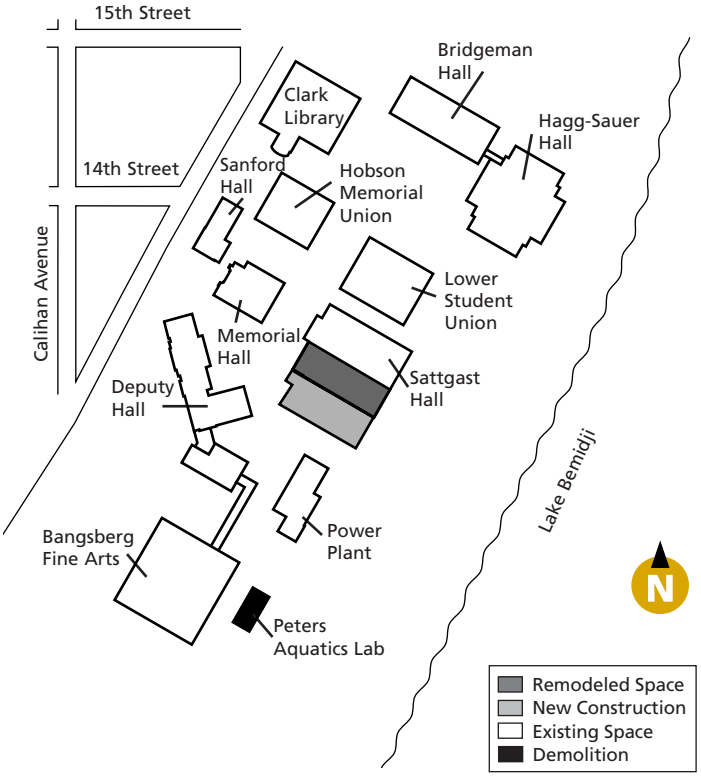
Student Impact:

Current unsafe, outdated and inaccessible classrooms and laboratories limit course offerings and hamper a professional teaching and learning environment. Without this addition, the university cannot adequately serve the nursing or sciences programs, two of its strongest programs that need to expand to meet the regional workforce demand.

Air quality concerns exist throughout the building. Electrical and Internet connections are required to meet current needs for classrooms and lab spaces. Unsafe conditions and water leaking into the Peters Aquatics Laboratory add urgency to the request. The Peters Lab does not meet Americans with Disabilities Act accessibility standards. Ventilation and fume hoods are unsafe, and casework and bench top materials are deteriorating. Laboratory exits do not meet current building code. Air quality presents major health concerns.

The addition and renovation will allow for more collaboration as students learn by conducting science projects. Existing partnerships with regional employers including Pioneer Hybrid, Marvin Windows and Doors, North Country Health Services and the Minnesota Department of Natural Resources will be enhanced.

Peters Aquatics Laboratory, which has significant water damage and safety and accessibility problems, will be demolished.



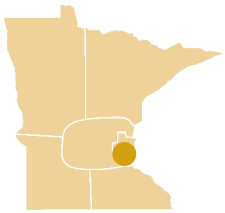
Normandale Community College

Bloomington

Classroom addition & renovation

6

$7,000,000



Project at a Glance:

- Design funded in 2006
- Phase 1 under construction with funds provided in 2006
- Construct classroom space between two buildings, providing 9,300 square feet for new classrooms
- Renovate an existing gymnasium for general classrooms by adding a second story to provide 8,500 square feet for classrooms and program support space
- Renovate 23,000 square feet of classroom space for health, exercise physiology, physical education and other programs
- Use campus land more efficiently by constructing classroom space between existing buildings
- Use recycled content or renewable "green" products where feasible
- Select finishes and materials to provide durable and long-lasting environments
- Use materials with high post-consumer recycled content and low levels of volatile organic compounds to maintain a healthy indoor environmental quality
- Use energy-efficient mechanical, electrical and water-saving devices
- Support science, technology, engineering and math initiatives
- Eliminate $1.5 million in deferred maintenance projects

Student Impact:

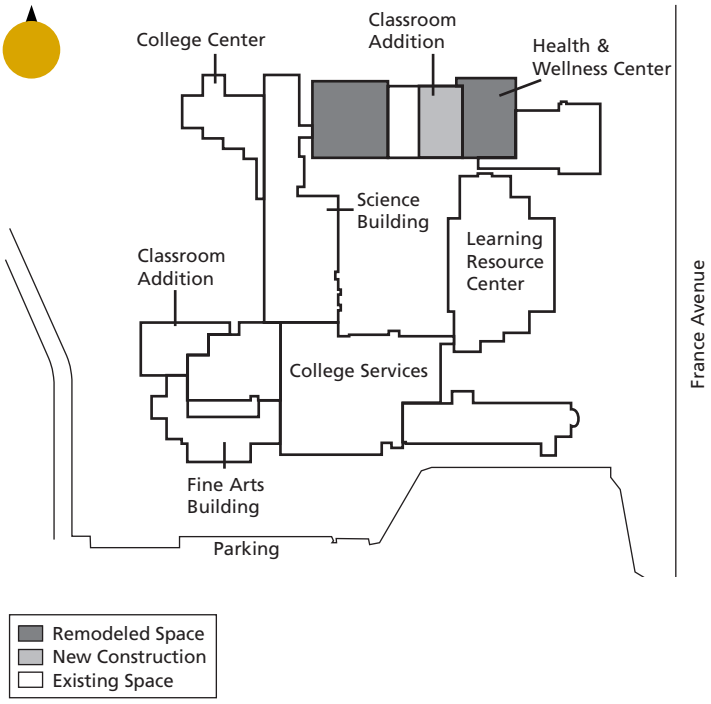
The college has the highest percentage of room usage and teaches twice as many students per square foot as the average for the Minnesota State Colleges and Universities system. Enrollment growth of more than 58 percent since 1999 has resulted in a major space crunch. This project will allow the college to serve more students in updated facilities.

The building originally was designed for intercollegiate athletics in 1969. Since 1994, intercollegiate athletics have not been offered. The addition will provide much-needed classrooms and office space. This will be the first time the building has been renovated in 37 years. By minimizing new square footage and realigning the existing facility, the renovation will result in more efficient use of space.

The project also will increase access in the southwest metropolitan area to students seeking bachelor's degrees. Minnesota State University, Mankato and Metropolitan State University offer classes at the college.

Normandale has six Minnesota Job Skills Partnership grants; partners include Fairview Health System, Metro Dental, Seagate Technology and Best Buy. These partners will benefit from the additional classroom space.

The existing gymnasium will be renovated for nine much-needed additional classrooms.



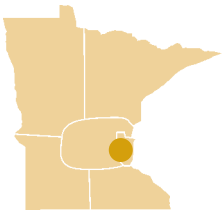
Inver Hills Community College

Inver Grove Heights

Classroom addition & renovation

7

$13,200,000



Project at a Glance:

- Design funded in 2006
- Construct 27,000 square feet, after demolishing 4,400 square feet, and renovate 19,000 square feet of inefficient space to enhance the college's liberal arts and sciences
- Create a more efficient footprint and use best sustainable practices by demolishing unusable space and replacing it with a multiple-story building
- Incorporate sustainable approaches by using natural light and selecting materials that simplify cleaning and maintenance
- Use recycled or renewable "green" products where feasible
- Use materials with high post-consumer recycled content and low levels of volatile organic compounds to maintain a healthy indoor environmental quality
- Use energy-efficient mechanical, electrical and water-saving devices
- Support science, technology, engineering and math initiatives
- Eliminate $961,000 of deferred maintenance projects

Student Impact:

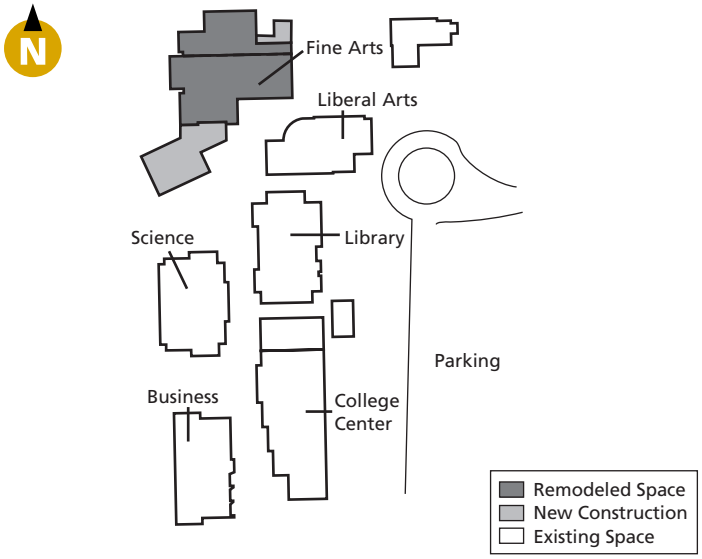
Enrollment in the college's top six disciplines has increased by 45 percent since 2000, including a 122 percent increase in biology and a 105 percent increase in registered nursing. This growth creates an immediate need for additional technology-enhanced classrooms. A new collaborative biomedical technology degree is expected to bring more enrollment growth.

To meet the demand, the college has increased its space use by offering Saturday classes and Web-enhanced classes that share classroom spaces, and by scheduling popular classes at times that typically are underenrolled. These strategies cannot meet additional demand for educational programs indefinitely without a building expansion.

The project will enhance the college's significantly growing liberal arts and sciences offerings, including studio arts, music and theater. Total enrollment in all academic programs increased by 43 percent between 2000 and 2007. During this period, enrollment in science, technology, engineering and math programs increased by 42 percent, and enrollment in arts programs went up 48 percent.

Nine new multipurpose classrooms will provide quality learning environments for up to 1,100 students needing core liberal arts and science courses for transfer and career programs.

Enrollment growth has squeezed space for many programs that need new technology-enhanced classrooms.



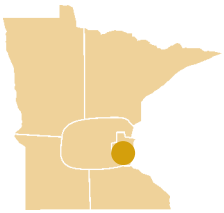
North Hennepin Community College

Brooklyn Park

Business & technology addition & renovation

8

$13,300,000



Project at a Glance:

- Design funded in 2006
- Renovate 35,420 square feet of unused open space into classrooms and offices
- Recapture inefficient existing space
- Construct 29,500 square feet of space to provide 10 more classrooms and a multipurpose conference and teaching space
- House business, technology and online programs, adult education and non-credit training programs for business and industry, student computer labs and the instructional technology department
- Support science, technology, engineering and math initiatives
- Use recycled or renewable "green" products where feasible
- Use materials with high post-consumer recycled content and low levels of volatile organic compounds to maintain a healthy indoor environmental quality
- Use energy-efficient mechanical, electrical and water-saving devices
- Eliminate $1.5 million of deferred maintenance projects

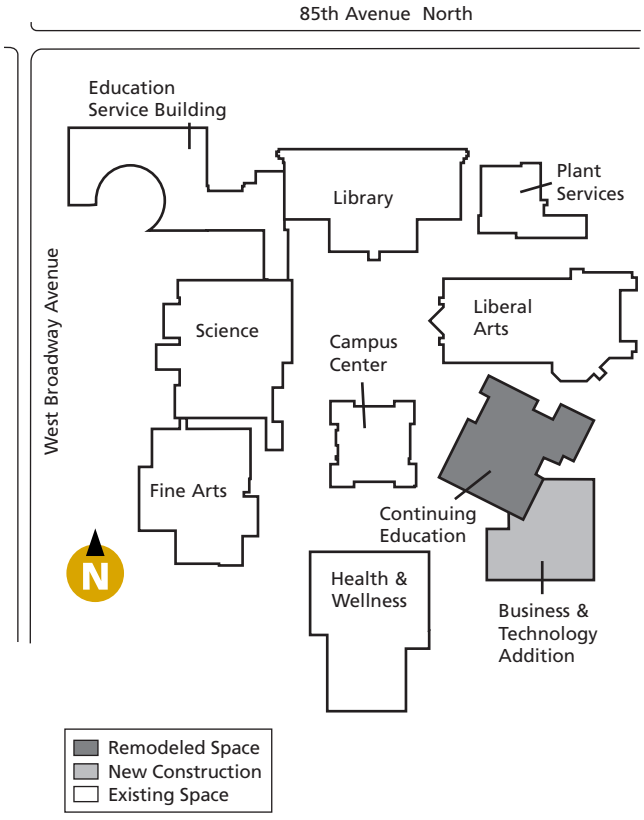
Student Impact:

Enrollment at North Hennepin Community College has increased 33 percent since 2000. The college has one of the system's highest space utilization rates. To handle space limitations, the college offers alternative scheduling, accelerated programs, Every-Other Weekend College, online courses, and programs and classes at Buffalo High School. Classes are held from 7 a.m. until 10 p.m. for optimum use. But these strategies alone cannot meet the demand for continued expansion of credit-based education programs, continuing education and customized training for business and industry.

The existing building footprint is inefficient. Only 43 percent of the floor space is available for instructional use. The remaining space consists of largely unused hallways and poorly placed offices. Building renovation and construction will result in 28 percent more usable instructional space, converting underused areas to classroom space and yielding higher energy efficiency.

The project also will increase access in the northwest corridor to students seeking bachelor's degrees. Metropolitan State University, Minnesota State University Moorhead and the University of Minnesota offer classes on the college campus.

The project will add much-needed space for current and future enrollment in credit-based and continuing education programs and customized training.



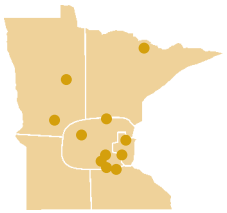
INSTITUTION	PROJECT	PRIORITY / TOTAL COST	LOCATION

Eleven Campuses

Science lab renovations

9

$5,775,000



Project at a Glance:

- Renovate 35,000 square feet to create science labs on 11 campuses
- Focus on targeted industry partnerships in allied health (three projects)
- Embrace sustainability by reusing existing spaces for new programs
- Use recycled or renewable "green" products where feasible
- Use materials with high post-consumer recycled content and low levels of volatile organic compounds to maintain a healthy indoor environmental quality
- Use energy-efficient mechanical, electrical and water-saving devices
- Support science, technology, engineering and math initiatives
- Eliminate $600,000 of deferred maintenance projects

Student Impact:

Alexandria Technical College – Renovate 2,000 square feet to create a 26-station biology lab and storage and preparation room for nursing, medical lab technician and general education programs. Project includes electrical upgrades, asbestos abatement (floor tile), and mechanical system and fire protection upgrades.

Anoka-Ramsey Community College, Cambridge – Renovate 4,000 square feet in the science wing of the Campus Center for a multipurpose science lab to meet the needs of the growing health sciences programs and support workforce and job skills development for health care workers.

Anoka Technical College – Renovate 3,170 square feet for a multipurpose science lab. Programs that will benefit include nursing, medical assistant, microbiology, horticulture, landscape, electronics and machine trades. The college now uses shared off-site labs.

Bemidji State University – Remodel 6,400 square feet to create one large space and several smaller adjacent spaces to provide a hands-on clinical procedures skills lab for registered nursing students and support plans for a new four-year bachelor's degree nursing program.

Central Lakes College, Brainerd – Renovate 4,230 square feet to turn a nursing classroom lab and general classroom, along with an existing dental assisting program facilities, into an expanded community dental clinic.

Science lab renovations improve access to science programs and help meet the need for a better educated workforce in science fields.

Century College, White Bear Lake – Remodel 3,130 square feet of a radiology lab for students in the radiologic technology program, replacing off-campus hospital facilities that no longer will be available.

Hennepin Technical College, Brooklyn Park – Renovate 1,400 square feet to create a science lab and storage and preparation area that will support the college's master academic plan, which includes expansion of health and science offerings. The campus currently has no science labs.

Hennepin Technical College, Eden Prairie – Renovate 1,350 square feet to create a general science lab and storage and preparation area that will benefit nursing and manufacturing programs. The campus currently has no science labs.

Inver Hills Community College, Inver Grove Heights – Renovate 1,370 square feet for a multipurpose science lab to increase access for all students to physics and engineering labs.

Northeast Higher Education District, Vermilion Community College, Ely– Renovate 2,800 square feet to turn two outdated labs into an integrated biology lab with interactive television capabilities, and a physics, meteorology and climatology lab.

Ridgewater Community Technical College, Willmar – Renovate 5,680 square feet of science labs and support space in the science building. The project will benefit physics, biology and earth science programs.

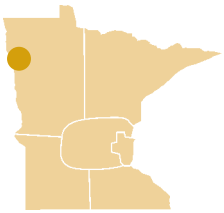
Northland Community & Technical College

East Grand Forks

Classroom addition & renovation

10

$7,800,000



Project at a Glance:

- Design funded in 2006
- Construct an 8,300-square-foot addition for new classrooms for nursing and allied health
- Renovate 31,000 square feet for a learning resource center, computer labs, technology programs, early childhood education program, bookstore and commons
- Improve obsolete space with a small addition for a new nursing program that will increase flexibility of multipurpose classrooms
- Use recycled or renewable "green" products where feasible
- Use materials with high post-consumer recycled content and low levels of volatile organic compounds to maintain a healthy indoor environmental quality
- Use energy-efficient mechanical, electrical and water-saving devices
- Support science, technology, engineering and math initiatives
- Eliminate $2.5 million of deferred maintenance projects

A fivefold increase in nursing enrollment has put pressure on existing classroom space.

Student Impact:

To meet regional and statewide health care employment demands, Northland Community and Technical College offers 23 health programs and is a regional leader in health care education. The growing campus serves a regional population of 97,000. Full-year-equivalent enrollment has increased 30 percent since 2002. Recently, the East Grand Forks campus added a registered nursing major. Nursing program enrollment has grown fivefold, from 99 students in 2000 to 530 students in 2007, creating serious space constraints.

Renovations to the 1974 building and its learning resource center, commons, cafeteria and bookstore will provide up-to-date facilities and improve spaces most used by students. Enrollment growth has strained the capacity of the library, which is one of the smallest in the Minnesota State Colleges and Universities system and is 2.5 times smaller than college library standards for collections. This project will triple the size of the learning resource center and increase student access to information technology resources.

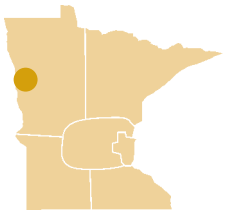
This facility will correct accessibility and fire code deficiencies while increasing classroom flexibility and advancing health care programs.

Minnesota State University Moorhead

Lommen Hall renovation

11

$13,100,000



Project at a Glance:

- Design funded in 2006
- Renovate 81,000 square feet for teacher preparation, social work, sociology, criminal justice, counseling and gerontology programs
- Maintain classroom use of this sound 76-year-old structure
- Upgrade mechanical and electrical systems and renovate interior to extend building's usefulness
- Install energy-efficient mechanical systems, replace exterior windows and doors, tuckpoint, improve electrical systems, and meet fire safety and accessibility standards
- Use recycled or renewable "green" products where feasible
- Use materials with high post-consumer recycled content and low levels of volatile organic compounds to maintain a healthy indoor environmental quality
- Use energy-efficient mechanical, electrical and water-saving devices
- Eliminate $5 million of deferred maintenance projects

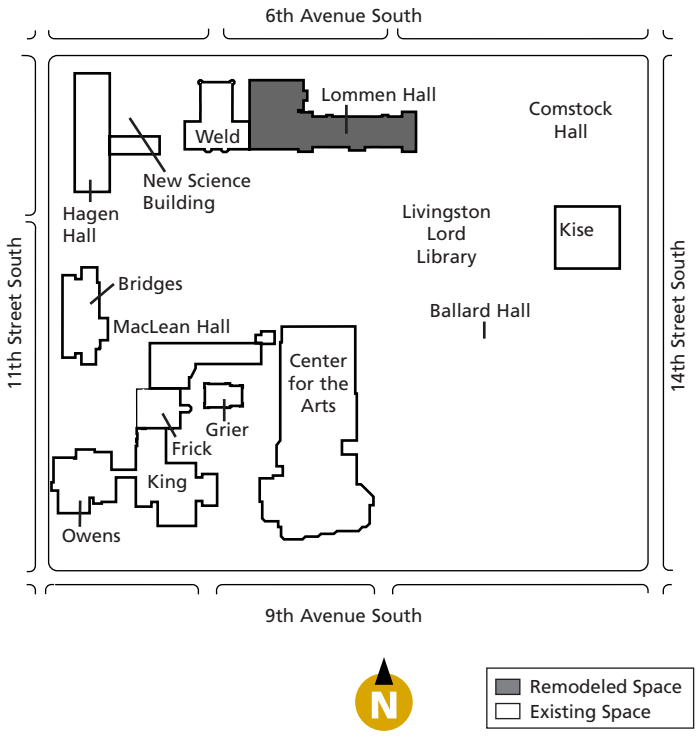
Student Impact:

Lommen Hall was constructed in 1932 and suffers from building code violations, inaccessibility for people with disabilities, poor air quality and inadequate space to accommodate current teaching and learning trends. While the building's exterior is aesthetically pleasing, interior spaces are showing their age and the building is difficult to maintain. The heating, ventilation and air conditioning system cannot appropriately accommodate classroom use during summer months. Air flow deficiencies are particularly acute when outside temperatures reach the upper 70s.

This comprehensive renovation will provide needed additional classroom and office space; heating, ventilation and air conditioning improvements; electrical and plumbing replacements; a new fire detection system and sprinkler system; and correction of building code violations. Windows and exterior doors must be replaced, and the building must be tuckpointed.

Lommen Hall is used more extensively than any other building on campus. The ongoing in-service training center for regional teachers is used between eight and 14 hours a day, six days a week throughout the year. When completed, all classrooms will fully support a technology-rich and media-rich curriculum, as well as the most current teaching and learning methods.

This historic photo shows Lommen Hall, which was built 76 years ago and needs renovations to accommodate current teaching methods and standards for air quality, accessibility and life style.



INSTITUTION	PROJECT	PRIORITY / TOTAL COST	LOCATION

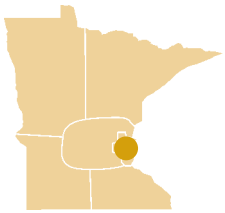
Century College

White Bear Lake

Classroom & student support space renovation

12

$7,900,000



Project at a Glance:

- Design funded in 2005 and construction funded in 2006 for the new science and library building
- Renovate 47,500 unusable square feet for classrooms, computer lab and faculty offices on the west campus
- Create a student services center where students can connect with admissions, business office, counseling, records and financial aid services on the west campus
- Renovate space on the east campus to create a science classroom and resource center and an information technology office
- Improve the learning environment by creating space for students to meet and study
- Add natural light to the relocated student center
- Use recycled or renewable "green" products where feasible
- Use materials with high post-consumer recycled content and low levels of volatile organic compounds to maintain a healthy indoor environmental quality
- Use energy-efficient mechanical, electrical and water-saving devices
- Eliminate $6.5 million in deferred maintenance projects

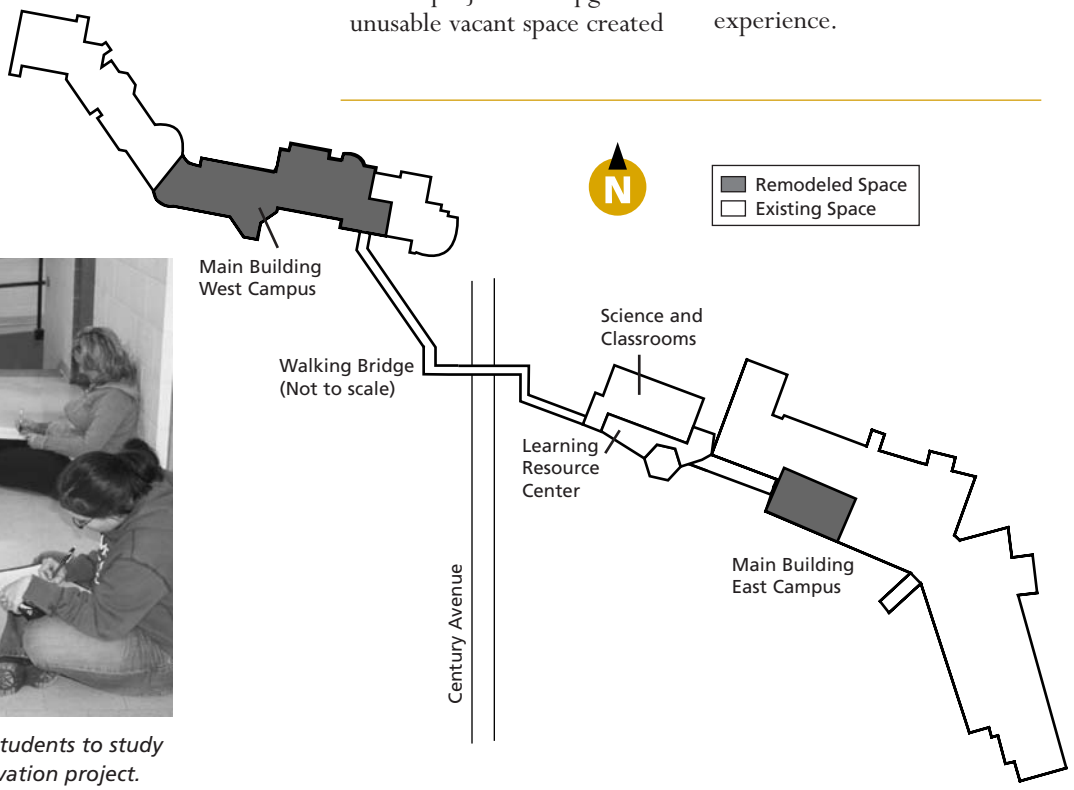
Student Impact:

The college offers nearly 60 technical and liberal arts programs and produces many of the state's paramedics, nurses, radiologic technicians, medical assistants, orthotic and prosthetic technicians, dental hygienists and other allied health professionals. To retain students in these programs and classes, the college needs space so students have easy access to student services and can study and engage with each other. Research shows that students who are engaged in their education are more likely to stay in school, earn degrees and achieve their career goals.

This project will upgrade unusable vacant space created by construction of a new library and science building slated for completion in 2008. Common spaces and new classrooms will be technologically enhanced with up-to-date equipment. Locating the new campus technology center on the west campus will foster more interaction between the campus information technology operation and the teaching of technology programs.

The project also will benefit hospital partners such as St. John's and United by increasing student retention. The hospitals provide Century's nursing and radiologic technology students with vital clinical experience.

Efficient classroom and more space for students to study collaboratively will result from the renovation project.



INSTITUTION	PROJECT	PRIORITY / TOTAL COST	LOCATION

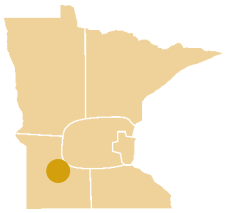
Southwest Minnesota State University

Marshall

Science & hotel & restaurant administration labs renovation

13

$9,000,000



Project at a Glance:

- Project design funded in 2006
- Renovate 11,300 square feet in the Science and Technology building to update biology and chemistry labs
- Renovate 12,200 square feet in the Science and Math building to update biology and chemistry labs
- Renovate 7,300 square feet of hotel and restaurant administration teaching labs in the Individualized Learning Center
- Include energy-saving features such as low-energy light fixtures, infrared toilet and sink controls, and motion sensors
- Use recycled or renewable "green" products where feasible
- Use materials with high post-consumer recycled content and low levels of volatile organic compounds to maintain a healthy indoor environmental quality
- Use energy-efficient mechanical, electrical and water-saving devices
- Support science, technology, engineering and math initiatives
- Eliminate $6.6 million in deferred maintenance projects

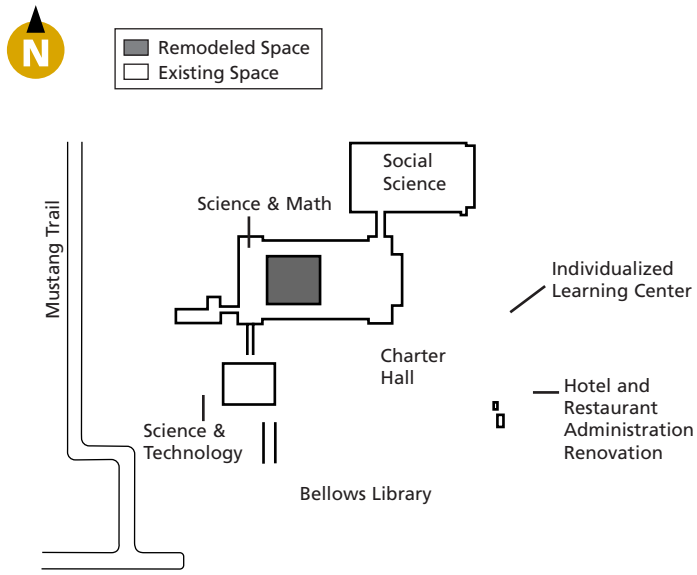
Student Impact:

This remodeling project reflects Southwest Minnesota State University's tradition of providing distinctive, barrier-free architectural access for students with disabilities. Remodeling, rather than new construction, is the chosen approach because the number and type of existing labs is optimal for the university's needs, but the labs need to be reconfigured to accommodate larger class sizes. Remodeling also is less expensive than new construction.

Six biology labs and five chemistry labs will be renovated in the 37-year-old structure. The existing labyrinth of preparation and storage areas will be simplified into one common lab preparation area per floor that can be staffed efficiently and allow sharing of lab materials and equipment. Some spaces will be converted into dedicated spaces for on-going student research projects.

Students in science and culinology, which combines science and culinary arts, will benefit from this project. The culinology program works with employers such as The Schwan Food Company, Aramark and other top restaurant and food company executives who provide internships, resource support and planning assistance.

Labs will be reconfigured for efficiency in the renovation projects to accommodate more students.



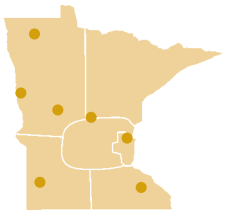
INSTITUTION	PROJECT	PRIORITY / TOTAL COST	LOCATION

Seven campuses

Classroom renovations

14

$3,625,000



Project at a Glance:

- Renovate about 45,000 square feet of obsolete classrooms
- Provide new sustainability features in existing structures with improved energy efficiency in mechanical, electrical, lighting and other building components
- Use recycled or renewable "green" products where feasible
- Use materials with high post-consumer recycled content and low levels of volatile organic compounds to maintain a healthy indoor environmental quality
- Use energy-efficient mechanical, electrical and water-saving devices
- Support science, technology, engineering and math initiatives
- Eliminate $1.8 million of deferred maintenance projects

Classrooms renovations convert inefficient spaces into flexible rooms that meet multiple needs, such as this computer lab.

Student Impact:

Central Lakes College, Brainerd – Renovate 3,160 square feet of a theater into a cross-functional learning space and combine two small classrooms into one large classroom.

Minnesota State Community and Technical College, Moorhead – Remodel 6,000 square feet of existing classrooms to provide advanced technology features in flexible general classrooms.

Minnesota State Community and Technical College, Wadena – Convert 10,010 square feet of underused space in the heart of the campus' main building.

Minnesota West Community and Technical College, Pipestone – Convert 2,800 square feet of the former meat-cutting program space into a student learning and academic hub.

Northland Community and Technical College, Thief River Falls – Convert 15,200 square feet from a residential building into an educational facility.

Pine Technical College, Pine City – Renovate 2,350 square feet of unused and underused space to create a prototyping and reverse engineering lab and metallurgy lab to meet needs of the system's Manufacturing and Applied Engineering Center of Excellence.

Rochester Community and Technical College – Remodel 3,500 square feet of two vacant nursing labs and three vacant nursing practice rooms into two anatomy and physiology laboratories and an adjoining health science learning center.

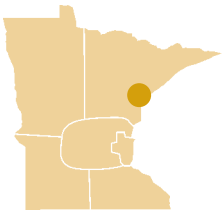
Lake Superior College

Duluth

Health Science Center addition

15

$11,000,000



Project at a Glance:

- Project design funded in 2006
- Construct 33,000 square feet for teaching laboratories, hospital nursing center and high-tech classrooms
- Renovate 2,000 square feet in Phase 1 and 33,000 square feet in Phase 2 for physical therapy, dental hygiene and massage therapist programs; allied health teaching laboratories; multi-media classrooms; and instructional technology labs
- Construction request for $4 million is anticipated in 2010
- Employ sustainability principles by selecting the optimal building site and orientation
- Use raised floor system for greater flexibility in configuring space and to eliminate the need for demolition and purchase of new construction materials
- Use recycled or renewable "green" products where feasible
- Use materials with high post-consumer recycled content and low levels of volatile organic compounds to maintain a healthy indoor environmental quality
- Use energy-efficient mechanical, electrical and water-saving devices

The existing tight quarters in the college's hematology lab create safety issues for students in several allied health programs.

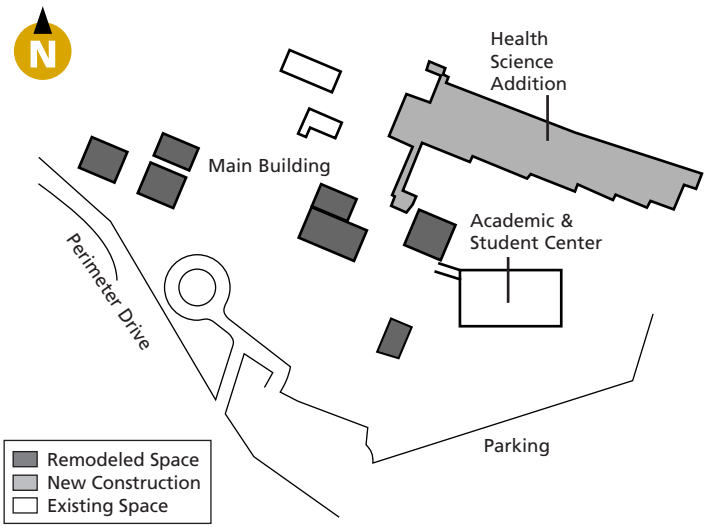
- Support science, technology, engineering and math initiatives
- Eliminate $480,100 of deferred maintenance projects

Student Impact:

During the past five years, Lake Superior College has experienced a 51 percent growth in enrollment from 2,230 in 2001 to 3,376 in 2006. Current enrollment projections in health and science programs show continued strong growth, further straining existing facilities.

The college has only three science labs to serve the entire student population, well below the number of science labs available at similarly sized institutions. The college has added evening, weekend, summer and distance-site courses to meet the needs of the 1,579 students in health-related programs. The college collaborates with SMDC Medical Center, St. Luke's Hospital and other regional health care facilities by offering community public health access and education.

When completed, the Health and Science Center will have 18 new or remodeled labs for health and science teaching, instructional technology and hospital nursing simulation; five classrooms; and three outpatient clinics.



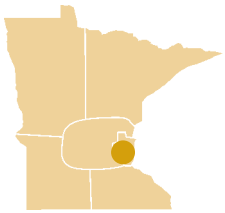
Metropolitan State University

St. Paul

Classroom Center addition

16

$4,980,000



Project at a Glance:

- Design funded in 2006
- Construct and renovate 16,500 square feet on top of the existing campus energy plant
- Demolish 90-year-old smokestack and upper levels of former hospital space, which is inaccessible and uninhabitable
- Use recycled or renewable "green" products where feasible
- Use materials with high post-consumer recycled content and low levels of volatile organic compounds to maintain a healthy indoor environmental quality
- Use energy-efficient mechanical, electrical and water-saving devices
- Salvage quality materials as feasible during demolition and construction to minimize landfill impact and encourage wise use of natural resources
- Install energy-efficient terminal fans, motors and lighting
- Meet Americans with Disabilities Act requirements by installing safety and fire suppression systems and accessibility upgrades
- Support science, technology, engineering and math initiatives
- Eliminate $3.9 million of deferred maintenance projects

Student Impact:

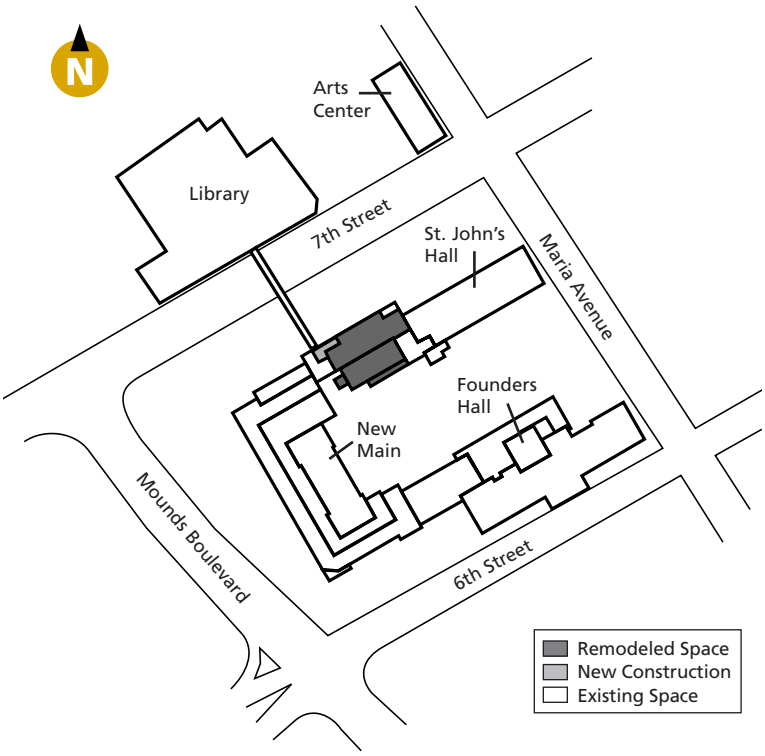
The power plant building is the last piece of the old St. John's Hospital site yet to be remodeled, and this project will complete the core campus square.

The existing upper levels of the building are unusable due to many safety and structural deficiencies. After demolition, the space will be replaced with two new floors of technology-enhanced classrooms and support services spaces.

The project will create high-quality learning environments for growing educational programs and will house mathematics, computer science, science, business and nursing programs. Construction also will protect the existing central heating, cooling and electrical plant and will waterproof adjacent areas now subject to water intrusion.

This project, which is a one-for-one replacement of space formerly existing on campus, will provide additional classrooms to address overcrowding and facilitate learning through instructional use of leading-edge technology. The university's enrollment has grown by one-third over the past seven years. Classrooms on the St. Paul campus are fully used in the evenings and Saturdays during the academic year.

Upper levels of the former hospital energy plant, above, will be demolished, and new technology-equipped classrooms will be built on top. A computer rendering, below, shows the future Classroom Center addition to the right of New Main on the St. Paul campus.

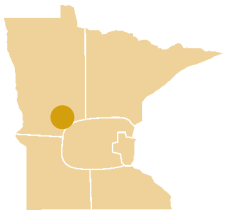


Alexandria Technical College

Law Enforcement Center addition

17

$10,500,000



Project at a Glance:

- Project design funded in 2006
- Construct Phase 1 of Law Enforcement Center
- Construct 56,000 square feet for applied labs in public safety, diesel mechanics, marine and small engines, health and fitness, and truck driving programs
- Phase 2 renovation request for $4.2 million is anticipated in 2010
- Renovate 8,500 square feet of the gym into an industrial teaching lab and 9,300 square feet of general classrooms
- Project enables college to use energy purchased from the Pope/Douglas County Biomass Incinerator Plant
- Use recycled or renewable "green" products where feasible
- Use materials with high post-consumer recycled content and low levels of volatile organic compounds to maintain a healthy indoor environmental quality
- Use energy-efficient mechanical, electrical and water-saving devices
- Eliminate $208,000 of deferred maintenance projects

Student Impact:

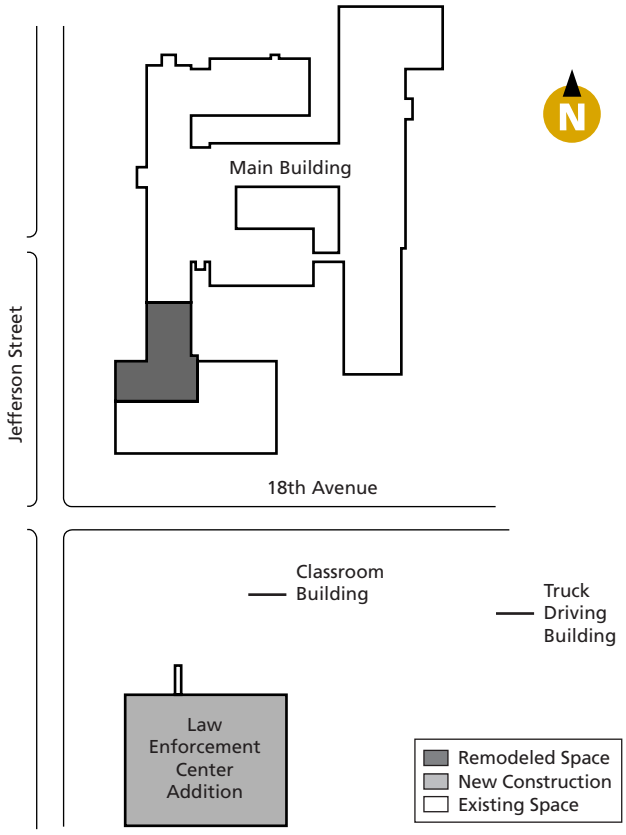
The college provides law enforcement skills training for students from six of the Minnesota State Colleges and Universities and six private colleges, allowing optimal use of specialized facilities. This expansion will allow these cooperative agreements to remain in place and provide for new cooperative agreements, particularly with federal law enforcement agencies.

Law enforcement is a highly successful program that is being taught in undersized and technologically inadequate spaces. The largest program at the college by far, law enforcement has 296 degree-seeking students. Nearly 400 people apply to the law enforcement program each year, and only about 160 per year have been admitted over the last five years because of space limitations. This new facility will allow the college to accept 30 to 40 percent more applicants each year.

In 2005, Alexandria provided 51 days of training on campus for local sheriffs, chiefs of police and employees of the Minnesota Department of Natural Resources and Internal Revenue Service.

Besides providing space for law enforcement programs, this project also will house diesel mechanics, marine and small engines, truck driving, health and fitness, and carpentry programs.

Law enforcement training will be expanded through the construction and renovation project benefiting federal and state law enforcement agencies and several colleges and universities.



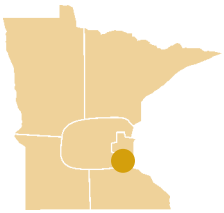
Metropolitan State University

Minneapolis Community & Technical College

Co-located Law Enforcement Center

18

$13,900,000



Project at a Glance:

- Design funded in 2006
- Construct 55,000 square feet for law enforcement training facility for use by the six system institutions in the metropolitan area that have law enforcement and criminal justice programs
- Use recycled or renewable "green" products where feasible
- Use materials with high post-consumer recycled content and low levels of volatile organic compounds to maintain a healthy indoor environmental quality
- Use energy-efficient mechanical, electrical and water-saving devices
- Eliminate $900,000 per year in lease expenses

Student Impact:

This training facility will replace leased facilities that currently house the Metropolitan State University and Minneapolis Community and Technical College criminal justice and law enforcement programs.

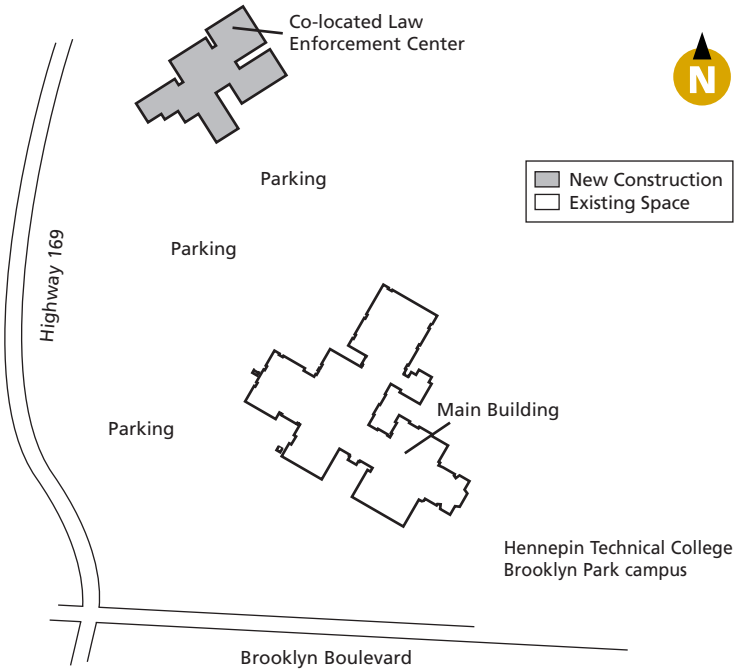
The new law enforcement center will benefit six Twin Cities metro area institutions with law enforcement and criminal justice programs – Metropolitan State University, Century College, Inver Hills Community College, Normandale Community College, Minneapolis Community and Technical College, and North Hennepin Community College. It also will facilitate collaboration with Hennepin Technical College's fire and emergency management degree programs. This convergence of emergency response training with law enforcement programs will improve coordination during disaster response.

The project will provide modern training space to better prepare law enforcement students to meet Minnesota Board of Peace Officer Standards and Training licensing requirements.

The facility will train law enforcement and criminal justice professionals who serve the growing metropolitan area and the state. By 2014, the Minnesota Department of Labor and Industry projects a need in the metropolitan area for:

- a 25 percent increase in police, sheriff and patrol officers;
- a 14 percent increase in first-time supervisors and managers and protective service workers;
- 15 percent growth in detectives and criminal investigators; and
- 5,000 new positions in law enforcement and criminal justice.

A new law enforcement training center to be located at the Brooklyn Park campus of Hennepin Technical College also will be used by five other Twin Cities area state colleges and universities.



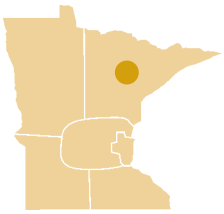
Northeast Higher Education District

Mesabi Range Community & Technical College, Eveleth

Shop space addition & renovation

19

$5,000,000



Project at a Glance:

- Design funded in 2006
- Construct a 16,000-square-foot industrial shop addition to the existing campus building
- Provide a single on-campus location for two shop programs currently housed off campus
- Reduce operating and transportation costs by eliminating leased facilities
- Create Americans with Disabilities Act compliant restrooms
- Use recycled or renewable "green" products where feasible
- Use materials with high post-consumer recycled content and low levels of volatile organic compounds to maintain a healthy indoor environmental quality
- Use energy-efficient mechanical, electrical and water-saving devices
- Support science, technology, engineering and math initiatives
- Eliminate $1.12 million of deferred maintenance projects

Student Impact:

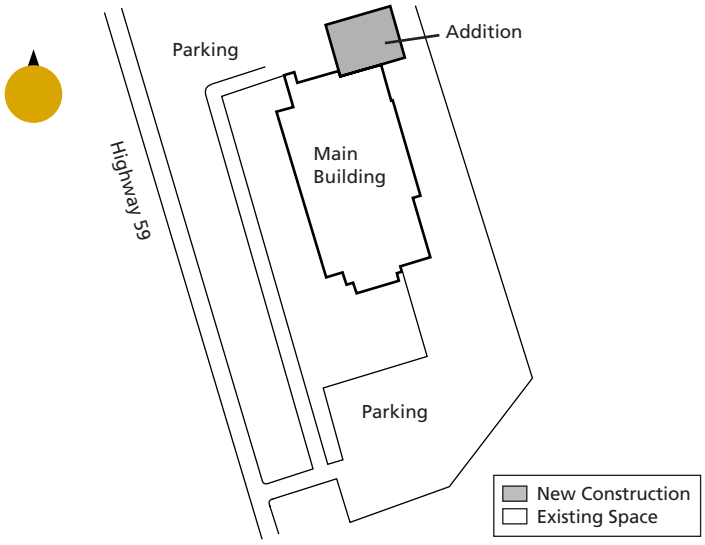
The demand for skilled trade workers in northeast Minnesota is expected to soar in the next five years, driven by a projected retirement of 70 percent of the mining workforce and $5 billion in proposed large industrial projects in the region that could create 1,700 new jobs.

Programs at the Eveleth campus lead the region in providing education and training for skilled trades. Consolidating the carpentry and industrial mechanical technology programs into on-campus space will enable staff to work more efficiently and streamline and improve delivery of both programs. Students must now drive five or eight miles to leased off-campus sites. A single on-campus facility will allow the two programs to share technologies and equipment for loading and unloading supplies and other equipment.

The project will provide students in these programs with convenient, direct access to library services, career counseling, financial aid, computer labs and classes and other services.

Eliminating $150,000 in lease expenses will cover the college's share of debt service on the project.

Carpentry students will take classes on campus instead of in a leased facility five miles away, and industrial mechanical technology classes also will be moved onto the campus from leased facilities.

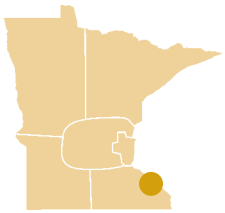


Winona State University

Memorial Hall addition & renovation

20

$8,400,000



Project at a Glance:

- Design funded in 2006
- Construct 78,000 square feet and renovate 4,800 square feet to create a wellness center to bring together academic departments, community resources and student life activities related to health, fitness and health promotion
- Use recycled or renewable "green" products where feasible
- Use materials with high post-consumer recycled content and low levels of volatile organic compounds to maintain a healthy indoor environmental quality
- Use energy-efficient mechanical, electrical and water-saving devices
- Support science, technology, engineering and math initiatives
- Eliminate $400,600 in deferred maintenance projects and the need for $669,400 to correct code-related problems in Memorial Hall, resulting in accessible restrooms, widened corridors and doors, and improved energy efficiency

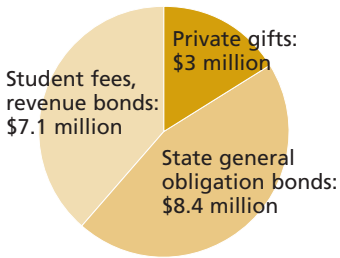
Student Impact:

The Integrated Wellness Complex will be among the first of its kind in the nation to bring together the six dimensions of wellness – intellectual, social, emotional, physical, occupational and spiritual. The complex will integrate the university's departments of health, exercise and rehabilitative science, and physical education and recreation with student life activities such as fitness, intramural sports, health, counseling and athletics.

Plans for the complex include general classrooms, learning laboratories, consultation and examination rooms, an indoor running track, cardiovascular fitness and strength training facilities, a gymnasium, aerobics classrooms and areas for gathering to study or relax.

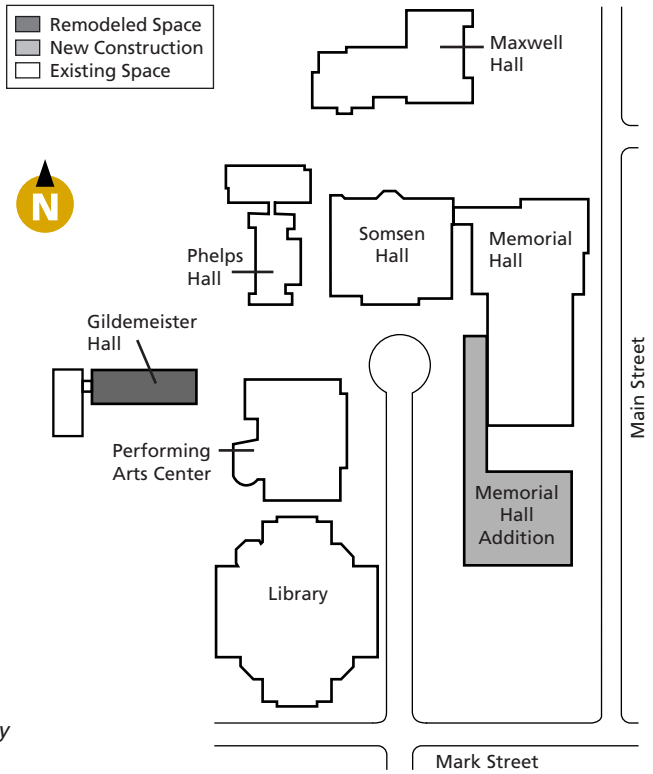
The state of Minnesota will be asked to fund about half of the overall project cost. The remainder will be financed from private gifts and student-supported revenue fund bonds. Students attending Minnesota State College-Southeast Technical will be able to use the fitness facility and health services, and students from the college will provide massage therapy at the complex as part of their academic program.

Funding sources



Private gifts and student fees will pay more than half of the project cost.

An innovative Integrated Wellness Complex will enhance programs and activities related to health, exercise and rehabilitative science, and physical education and recreation.



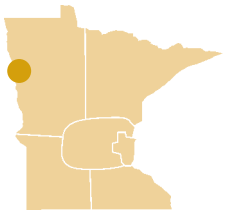
Minnesota State Community & Technical College

Moorhead

Mechanical trades addition & classroom & library design

21

$2,800,000



Project at a Glance:

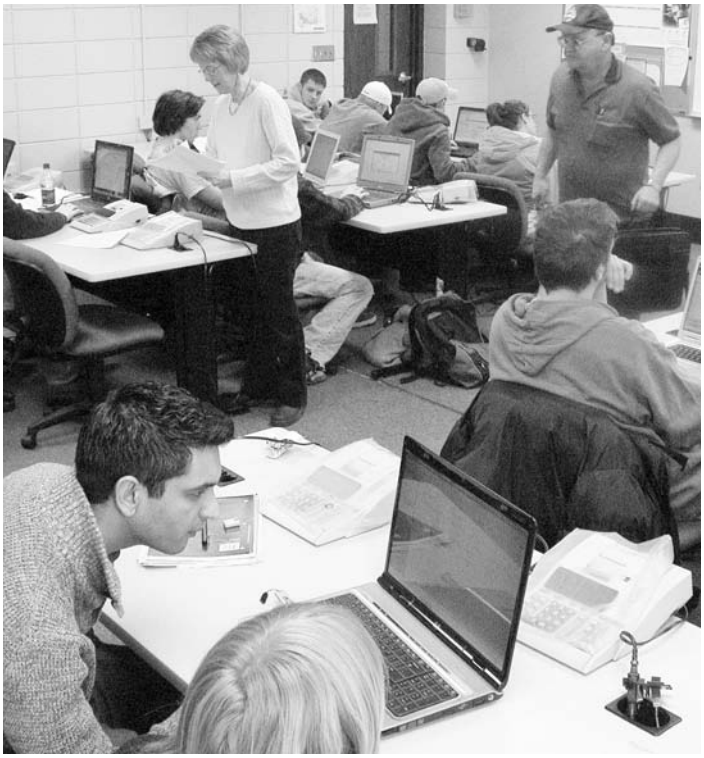
- Design and construct 5,200 square feet for a mechanical construction trades lab to be shared by the residential heating, ventilation, air conditioning and refrigeration programs
- Design a 31,200-square-foot classroom and library addition and demolition of a separate one-story building, to be replaced with a more efficient three-story addition that will provide 12 classrooms and a library
- Classrooms and library addition construction request for $5.2 million is anticipated in 2010
- Use recycled or renewable "green" products where feasible
- Use materials with high post-consumer recycled content and low levels of volatile organic compounds to maintain a healthy indoor environmental quality
- Use energy-efficient mechanical, electrical and water-saving devices
- Replace exterior windows and use daylight for optimal solar orientation to reduce artificial lighting
- Support science, technology, engineering and math initiatives
- Eliminate $2.5 million of deferred maintenance projects

Student Impact:

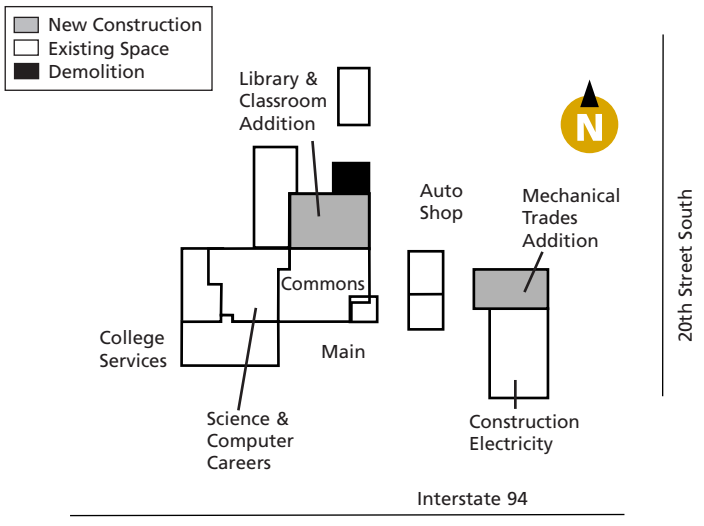
The college's Moorhead campus is located in the Fargo-Moorhead metropolitan area, which has a population of about 175,000. Additional classrooms are badly needed due to the explosive growth in enrollment, up more than 35 percent from 2003 to 2006.

The new library and additional classrooms are critical components in enabling the growth of the college's associate in arts degree program. This program has been offered on the Moorhead campus for only three years and currently has an enrollment of 691, more than one-third of the total enrollment of 1,890. The number of students seeking the associate degree is expected to double within the next five to 10 years. Current facilities are inadequate to accommodate this growth.

A shortage of skilled mechanical trades workers continues in the region. The proposed mechanical trades lab will provide a shared learning environment for the existing mechanical trades programs as well as new industry-requested programs. The new lab will replace an out-of-date 1970s temporary metal building.



Rapid enrollment growth at the college has created an urgent need for additional classroom and lab space.



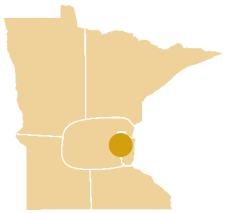
Anoka-Ramsey Community College

Coon Rapids

Classroom construction & renovation design

22

$3,800,000



Project at a Glance:

- Design and construct a 14,000-square-foot addition for classrooms and offices
- Design renovation of a 16,400-square-foot Fine Arts Building for music, art, glass blowing, bronze casting, pottery firing, raku and visual arts classrooms
- Renovation request for $5 million is anticipated in 2010
- Replace all windows in the Fine Arts Building with energy-efficient glass
- Correct ventilation problems and filter particulates in the air with new mechanical system
- Use recycled or renewable "green" products where feasible
- Use materials with high post-consumer recycled content and low levels of volatile organic compounds to maintain a healthy indoor environmental quality
- Use energy-efficient mechanical, electrical and water-saving devices
- Eliminate $1.0 million of deferred maintenance projects

Student Impact:

Modernization and expansion of the Fine Arts Building will provide greater access for the growing number of liberal arts and Post-Secondary Enrollment Options students interested in studying music and art. Because of significant enrollment growth, only 20 percent of students at the Coon Rapids campus can participate in art and music courses.

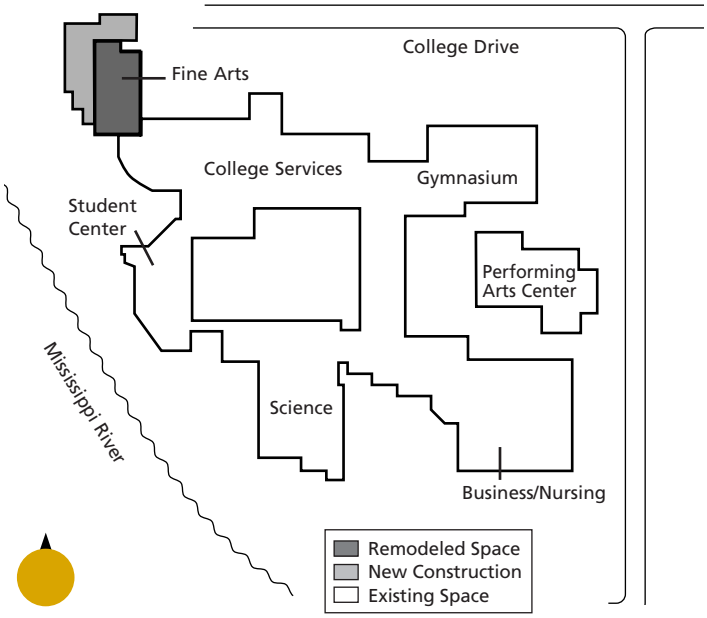
The college has more than 200 declared majors for its associate in fine arts degree programs. This reduces space available for other students to take music or art courses. These courses also are not available to more than 550 PSEO students on campus. In 2006, about 1,400 students took art and music classes; this project will dramatically increase access and opportunity for the remaining 5,700 students on campus. Community members pursuing lifelong learning also have expressed increased interest in music and art courses.

The college's popular glass blowing classes have had to cap the number of students allowed to participate due to space limitations. Glass blowing classes now fill within 48 hours of posting. With adequate space, additional sections could be added. The same is true of photography classes.

The Fine Arts Building was finished in 1971. This project will replace the ventilation, heating and cooling systems to handle today's demands.

The renovation and expansion of the existing facility minimizes additional overhead, reduces the number of deferred maintenance projects and mitigates several health and safety concerns.

Popular fine arts classes such as glass blowing will be available to more students as a result of additional space provided by this project.



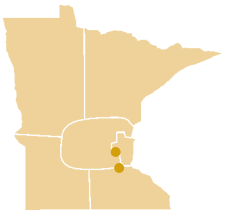
Hennepin Technical College

Eden Prairie, Brooklyn Park

Science & Learning Center design

23

$2,400,000



Project at a Glance:

- Design and renovate underused space at Eden Prairie campus to create a suite of science labs and a shared classroom
- Design renovation at both campuses to relocate and enclose the library and related instructional support services and to consolidate student services with a small new entry
- Renovation request anticipated for $10.6 million in 2010
- Use recycled or renewable "green" products where feasible
- Use materials with high post-consumer recycled content and low levels of volatile organic compounds to maintain a healthy indoor environmental quality
- Use energy-efficient mechanical, electrical and water-saving devices
- Support science, technology, engineering and math initiatives
- Eliminate $800,000 of deferred maintenance projects

Student Impact:

Hennepin Technical College currently has no science labs. This is an impediment to increasing student skills in science, technology, engineering and math fields. It also is a disadvantage for graduates who want to continue their education at another two-or four-year institution. New program development is a critical strategy for the college's future success. Without a capacity for science, student and program options are limited.

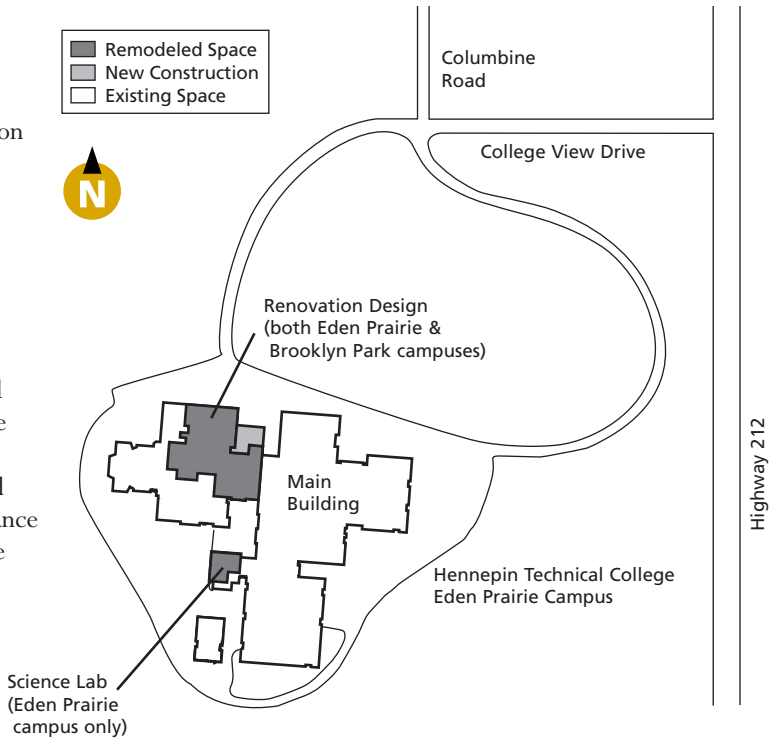
This project will design and renovate underused spaces at Eden Prairie campus to create the science labs. The space is available as a result of changes in academic programs and consolidation of some programs to one campus.

The project also will renovate existing space at both campuses to relocate and enclose the library and related instructional support services and to add science labs.

The library space was originally designed in 1972. Expectations for library resources have changed dramatically with the addition of associate in science and applied science degrees, general education courses including the Minnesota Transfer Curriculum and advanced curriculum in technical programs.

These improvements will allow the college to increase enrollment in science, technology, engineering and mathematics fields and enhance college's participation in the Center of Engineering and Manufacturing Excellence led by Minnesota State University, Mankato.

Library space will be redesigned and updated at the Eden Prairie and Brooklyn Park campuses to meet today's needs.

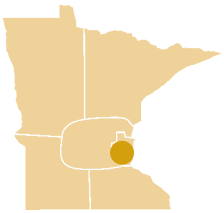


Minneapolis Community & Technical College

Workforce renovation design

24

$700,000



Project at a Glance:

- Design for renovation of 80,000 square feet for workforce programs such as nursing; architectural technology; air traffic control; computer security; heating, ventilation, air conditioning and refrigeration; and photography and digital imaging
- Construction request for $12.8 million in 2010 and construction request for $4.0 million in 2012 are anticipated
- Resolve significant and long-standing fire code and life safety issues
- Extend the structure's useful life by improving the building's shell, address mechanical and electrical system concerns, and improve water and air quality and natural light use
- Support science, technology, engineering and math initiatives
- Eliminate the need to lease 67,400 square feet at Flying Cloud Airport in Eden Prairie
- Eliminate $7.6 million in deferred maintenance projects

Student Impact:

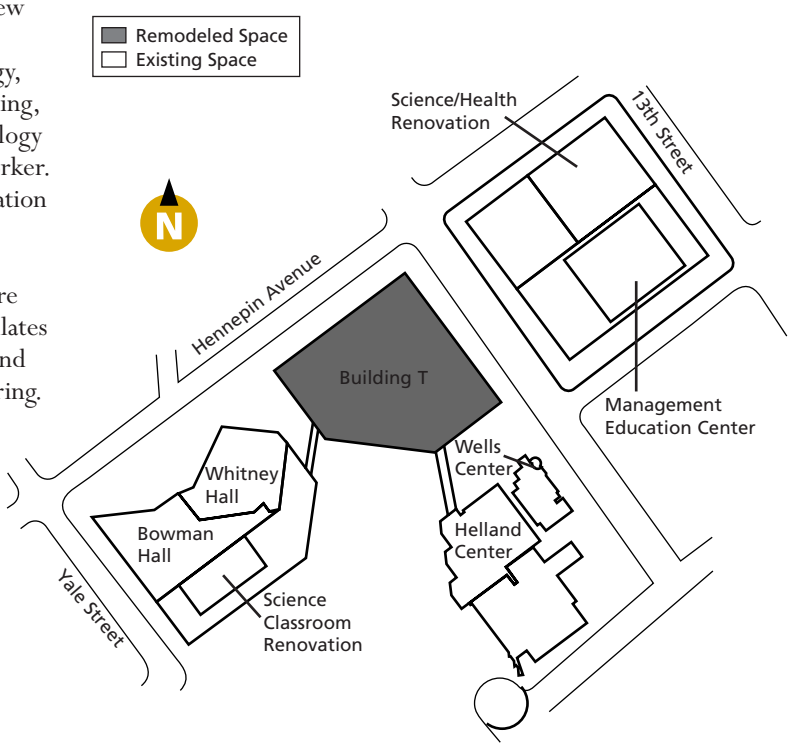
This project will renovate the 29-year-old technical building, known as Building T, including elevators, escalators, ventilation and air-conditioning systems, and water proofing of the campus main plaza.

In addition, it will provide for installation of a cooling system for Bowman Hall where physical education programs, athletics and continuing education are housed.

This four-year project will renovate classrooms and laboratories for improved instructional environments for 16 technical programs, a Student Services Testing Center and common areas. The renovation will allow the air traffic control program to return to the main campus. The leased Aviation Center in Eden Prairie will close, eliminating underused classroom and instructional lab space.

Due to increased demand for skilled health care workers, the college is rapidly expanding allied health programs. New programs include electro-neurodiagnostic technology, sterile instrument processing, polysomnographic technology and community health worker. Advances in nursing education have created a need for a high-technology lab to provide students with more realistic training that simulates a modern hospital room and electronic patient monitoring.

Renovation of the technical building will update labs and classrooms for several new health career programs and other technical programs.



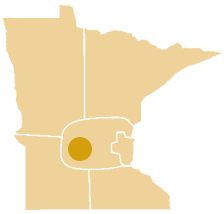
Ridgewater College

Willmar

Technical instruction construction & renovation design

25

$3,500,000



Project at a Glance:

- Design and construct 10,000 square feet of new instructional space, renovate 5,500 square feet and demolish 8,250 square feet of outdated and inefficient buildings
- Design renovation of 70,000 square feet, construction of new 9,500 square feet of addition and demolition of 25,000 square feet of outdated and inefficient buildings for a request in 2010 of $14.5 million
- Improve instructional space in 12 program areas that serve 56 percent of all students enrolled in technical programs on the Willmar campus
- Use recycled or renewable "green" products where feasible
- Use materials with high post-consumer recycled content and low levels of volatile organic compounds to maintain a healthy indoor environmental quality
- Use energy-efficient mechanical, electrical and water-saving devices
- Support science, technology, engineering and math initiatives
- Comply with the Americans with Disabilities Act
- Eliminate $5.2 million of deferred maintenance projects

Student Impact:

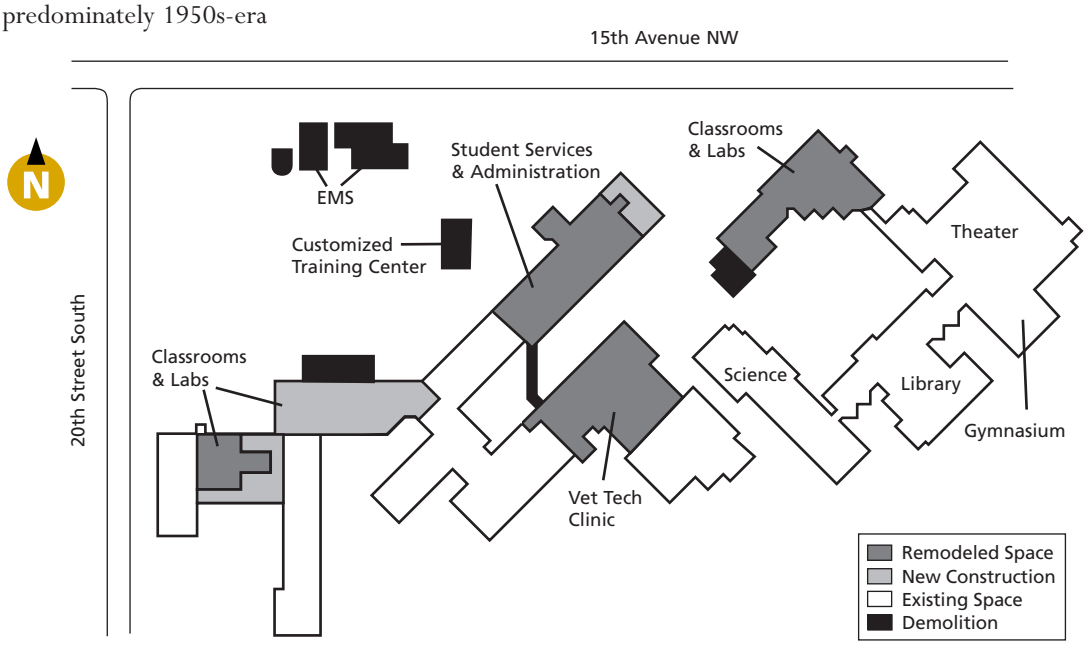
Willmar has a large and growing population of groups traditionally underrepresented in higher education. About 47 percent of the area's K-12 students qualify for free or reduced-price lunches, and 51 percent of the college's students are first-generation college students.

The Minnesota Department of Employment and Economic Development reports that many of the programs affected by the project have an excellent employment outlook. Ridgewater's 98 percent job placement rate in these programs has a positive impact on the regional economy.

The demolition and replacement of outdated facilities create an opportunity for energy conservation and sustainable design. Demolition of 33,500 square feet of predominately 1950s-era buildings will eliminate a number of problems, from outdated windows and heating, ventilation and air-conditioning systems to poorly designed storm water management methods.

The new and remodeled instructional space will provide the enhanced functionality and classroom technology necessary to prepare students for the 21st century workforce. Advanced instruction then will be possible in areas such as agriculture-related bio-technology and expansion into emerging fields such as fiber optics, power-limited low voltage and renewable energies.

Outdated classrooms will be upgraded to meet current and future technical program needs.



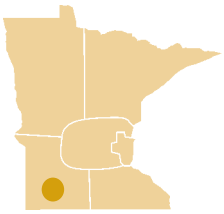
Minnesota West Community & Technical College

Worthington

Fieldhouse renovation & addition

26

$4,000,000



Project at a Glance:

- Design and construct 10,000 square feet and renovate 15,000 square feet for physical education, health, law enforcement and physical therapy technician programs
- Comply with the Americans with Disabilities Act
- Use recycled or renewable "green" products where feasible
- Use materials with high post-consumer recycled content and low levels of volatile organic compounds to maintain a healthy indoor environmental quality
- Use energy-efficient mechanical, electrical and water-saving devices
- Eliminate $2 million of deferred maintenance projects, representing more than 60 percent of the construction cost

Student Impact:

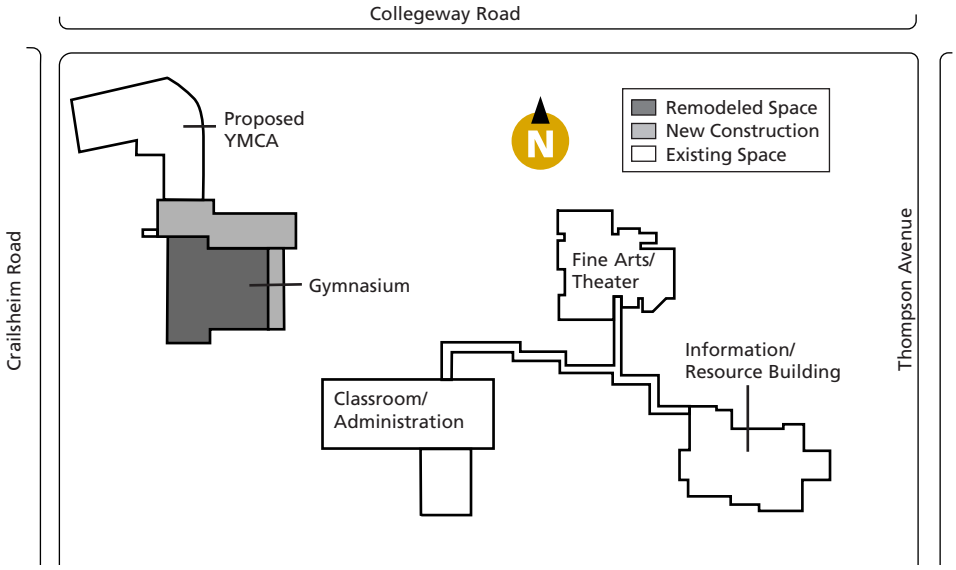
The existing fieldhouse was built in 1968 to meet the needs of male athletes. The student body today is more than 50 percent female and increasingly diverse, with a growing number of Hispanic, Asian, African American and Somali students.

The existing structure has no classroom or lab components, the gym floor was built to minimum size for athletic events, and adequate meeting areas for faculty consultation with students are non-existent. The facility limits the college's ability to offer a diverse range of health and wellness courses and programs.

This renovation and small addition will provide improved lab and classroom spaces for law enforcement and health programs. Completion of a new $5 million YMCA, funded from non-state sources, on property owned by the college, coupled with this proposed project, will create a synergy that will promote economic growth in the community and attract students to the college.

The college was forced to discontinue a physical therapy technician program more than a decade ago because facilities were inadequate. Two area health care providers, Worthington Regional Hospital and Sioux Valley Regional Health Services, plan to provide physical and occupational therapy at the new YMCA and have requested that the program be reinstated. The college cannot develop these programs with its current facilities.

Law enforcement and health programs will benefit from the college's renovation of the Worthington campus.



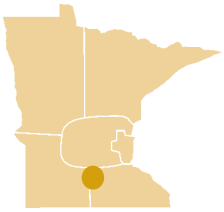
South Central College

Faribault

Classroom renovation & addition design

27

$700,000



Project at a Glance:

- Design for renovation of 58,000 square feet for science, technology, engineering, mathematics and health care programs
- Demolish existing space and construct new space with net gain of 14,000 square feet
- Renovation request of $12 million is anticipated in 2010
- Extend the useful life of an existing 44-year-old structure
- Improve the shell of the existing building, address mechanical and electrical inefficiencies, and improve use of natural light and water and air quality
- Eliminate $1.1 million of deferred maintenance projects

Student Impact:

The Faribault campus was built in 1964 and designed for vocational education. Today, nearly 50 years later, South Central College is the newest comprehensive community and technical college in the Minnesota State Colleges and Universities system. Rice County continues to grow and expand, which is reflected in the campus growth. The college's enrollment for fall semester 2007 shows a 5.5 percent increase over the previous fall.

The state demographer estimates that the 15- to 34-year-old population in Rice County will grow by more than 20 percent from 2000 to 2010 and continue to rise through 2030. This growth will result in further enrollment increases at the Faribault campus.

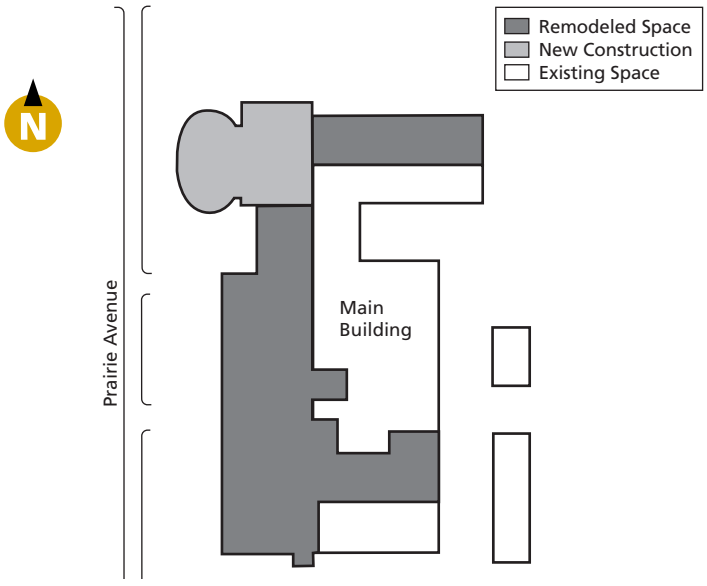
South Central College is seeking additional classroom and lab space to accommodate increases in enrollment in the technical and professional majors and the college's growing liberal arts and sciences programs. Reconfiguring and updating the existing structure will extend its useful life for another 50 years.

The 44-year-old campus suffers from obsolete teaching labs and learning spaces and has several inappropriately sized rooms that also do not incorporate technology to support current teaching methods. This inflexible room configuration also hampers enrollment growth. Classroom use will be improved dramatically by creating a better mix of large and small classrooms to meet program needs.

Large and inefficient lab spaces will be improved by reconfiguring the labs. Many of the six industrial lab spaces need to be updated to allow for flexibility and multiple uses. Emphasis will be placed on supporting the college's Center for Construction Technology and initiatives in science, technology, engineering and mathematics.

The Faribault campus has had no significant renovation and little updating since it was constructed and needs improvements to reflect the changes in higher education and program development. Increasing the library space and creating a common area for students to gather is essential. A major portion of the planned renovations and additions will enhance classroom and lab usage and the campus appearance to better reflect today's educational commitment.

The 44-year-old campus building in Faribault needs updated classrooms and labs that allow for flexibility and multiple uses.



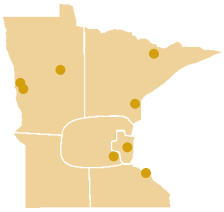
INSTITUTION	PROJECT	PRIORITY / TOTAL COST	LOCATION

Eight campuses

Property acquisition

28

$13,100,000



Project at a Glance:

- Acquire land and buildings adjacent to campuses
- Conform to individual campus master plans
- Opportunity for land acquisition at constricted campuses
- For projects involving demolition, salvage and recycle where feasible

Student Impact:

Bemidji State University – Acquire and demolish the old high school building and maintenance facility, which will provide the university with adjacent land along a major city thoroughfare.

Dakota County Technical College, Rosemount – Acquire 105 acres of University of Minnesota land that the college has leased since 1989.

Fond du Lac Tribal & Community College, Cloquet – Acquire up to seven properties from neighboring sellers, as they become available.

Minnesota State Community and Technical College, Moorhead – Acquire the city of Moorhead fire station, located on the college campus, for use by the college's criminal justice and fire training programs.

Minnesota State University Moorhead – Purchase Edison School, which has been leased and used by the university and college since July 2004.

Minnesota State College-Southeast Technical, Red Wing – Acquire, demolish or develop, if feasible, the Bergwall Ice Arena on the Red Wing campus.

Metropolitan State University, St. Paul – Acquire and demolish three residential properties adjacent to Metropolitan State University's main parking lot at the St. Paul campus.

Northeast Higher Education District Vermilion Community College, Ely – Acquire the Northern Terrace Mobile Home Park property adjacent to the college.

The parcel marked on this aerial photo that is currently owned by the University of Minnesota will be acquired for Dakota County Technical College, which has leased the area since 1989.

Seven properties near Fond du Lac Tribal and Community College will be purchased as they become available.

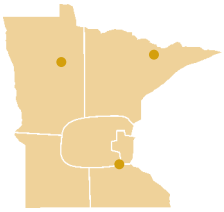
INSTITUTION	PROJECT	PRIORITY / TOTAL COST	LOCATION

Three campuses

Demolition

29

$2,830,000



Project at a Glance:

- Demolish outdated and obsolete academic, support and revenue-funded buildings
- Demolition requests initiated by institutions
- Reuse construction materials and recycle demolished materials as feasible
- Demolish 96,635 square feet of space on three campuses
- Eliminate $2.63 million of deferred maintenance projects

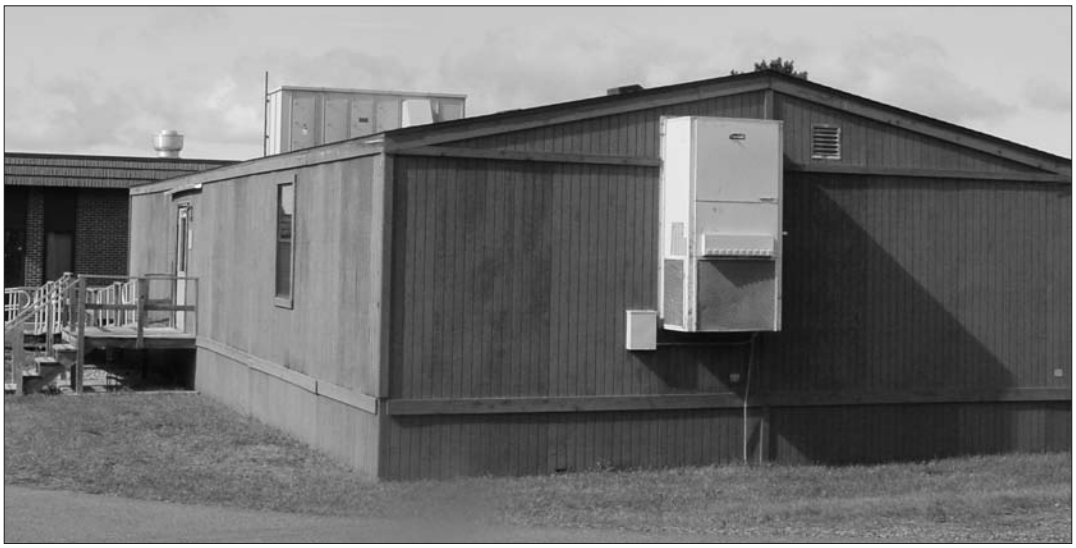
Student Impact:

Bemidji State University – $2,275,000 to demolish the Maple Hall residence hall; will reduce the excess capacity of on-campus residence halls by 94,635 square feet and eliminate unused housing space.

Maple Hall demolition at Bemidji State University will eliminate excess residence hall space.

Hennepin Technical College, Eden Prairie – $400,000 to demolish an unneeded greenhouse structure and restore the exterior wall connection to an existing building.

Northeast Higher Education District, Vermilion Community College, Ely – $155,000 to demolish 1,300 square feet of an aging modular building and remodel 1,700 square feet of existing space to accommodate displaced programs.



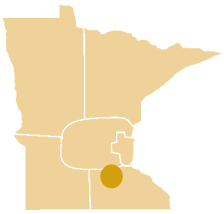
This aging modular building that is leaking and has air quality problems will be demolished at Vermilion Community College in Ely.

Property Acquisition

Owatonna College & University Center

30

$3,500,000



Project at a Glance:

- Purchase a 25,000-square-foot building constructed in 2002 from city of Owatonna
- Purchase includes nine acres for the building and an adjacent 18 acres of vacant land
- Provide 13 classrooms, seven offices and reception area, two conference rooms and gathering area with support space
- Promote lower transportation costs by maintaining locally used facility

Student Impact:

The Owatonna College and University Center has provided higher education programs through an innovative collaboration of public and private higher education partners. Educational programming has been guided in part by a local advisory council. Acquisition of the space by the Minnesota State Colleges and Universities system will allow better coordination of offerings by other institutions, increase program options for students and enhance community and workforce partnerships.

Purchase of the center represents a comparatively low-cost way of assuring continuing higher education access in Owatonna and the region, which is experiencing a need for skilled workers. An analysis of current and projected demand for higher education led to the following findings:

- A significant proportion of current students who left the region would consider staying if more educational options were available.
- Employers surveyed indicated the most significant barriers to pursuing higher education were limited offerings and location.
- Employers preferred traditional classroom instruction at a local educational campus or center and instruction via the Internet.
- Non-traditional students typically cannot or are not willing to travel long distances for access to higher education.

This aerial photo shows Owatonna College and University Center, built in 2002 near Interstate 35W. Below, the building exterior.

INSTITUTION	PROJECT	PRIORITY / TOTAL COST	LOCATION

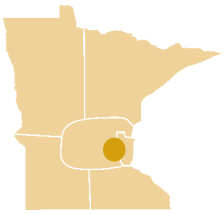
Anoka-Ramsey Community College, Coon Rapids

North Hennepin Community College, Brooklyn Park

Biosciences & allied health workforce design

31

$1,900,000



Project at a Glance:

- Design space at both institutions to serve the northwest Twin Cities metro area's demand for science, technology, engineering, math and health careers education
- Add classroom and lab capacity for enrollment growth, new program development and four-year state university programs
- Construction request for $41.7 million is anticipated in 2010
- Improve energy efficiency in mechanical and electrical systems, use of natural light, site orientation and materials selection

Student Impact:

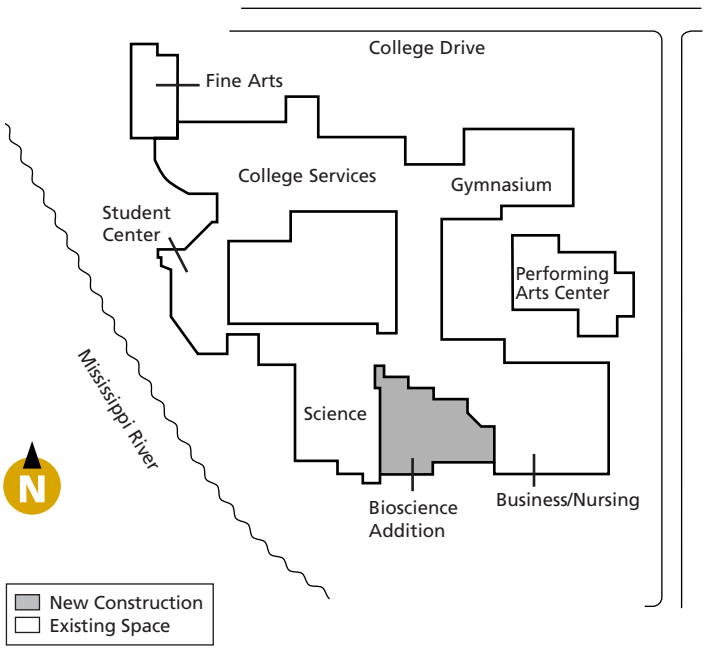
Due to space constraints, both campuses cannot meet the growing demand for programs in health-related fields and in science, technology, engineering and mathematics. This collaboration represents a significant commitment to meet the needs of students and industries in a way that minimizes unnecessary duplication and maximizes the unique strengths and abilities of each institution.

By working together to identify and design specific facilities that meet each college's programming needs, students will gain access to a wide array of programs that serve the specialized needs of business and industry.

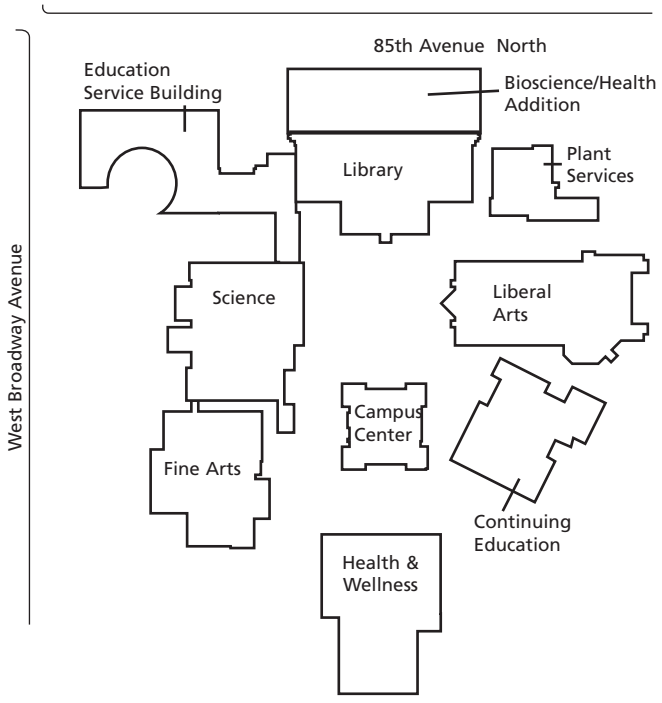
Projects at both campuses will:

- Respond to high demand for existing health career programs such as nursing.
- Expand the curriculum and increase sections of classes in science, technology, engineering and math fields such as biology and chemistry.
- Provide more metro-area students the opportunity to complete four-year bioscience and health career degrees offered by state universities.
- Increase outreach to high school juniors and seniors in the subjects of science, technology, engineering and mathematics.
- Increase flexible lab and lecture space to allow for rapid response to the changing needs of students and employers in the region for both credit and noncredit instruction.

Anoka-Ramsey Community College, Coon Rapids



North Hennepin Community College, Brooklyn Park

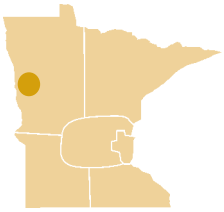


Minnesota State University Moorhead

Livingston Lord Library renovation design

32

$700,000



Project at a Glance:

- Design for renovation of the 1960 library space; replace outdated heating, cooling, electrical, plumbing and fire suppression systems, and assure that the facility is entirely accessible to people with disabilities
- Extend the useful life of the 47-year-old structure; improve the shell of the existing building, address mechanical and electrical inefficiencies, and improve natural light use and water and air quality
- Renovation request for $12 million is anticipated in 2010
- Comply with the Americans with Disabilities Act
- Eliminate $5.0 million of deferred maintenance projects

Student Impact:

This comprehensive renovation will replace the electrical, plumbing, fire detection and heating, ventilation and air-conditioning systems. In addition, appropriate fire suppression systems will be installed to protect books, periodicals and campus artifacts. Various code compliance and accessibility issues also will be resolved in the renovation.

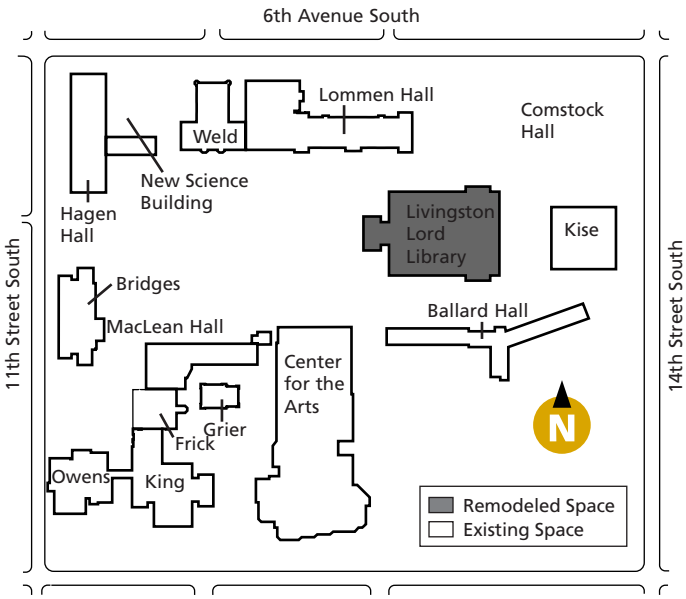
The library needs updated spaces for collaborative learning and more digital media-based curriculum to meet the needs of today's technology-savvy students. The renovation will allow for more student-focused, adaptive and flexible space that can change with students' learning styles and needs.

The college works with area high schools to introduce high school students to college-level research. A redesigned library will allow staff to conduct workshops and better integrate the college research experience into high school.

The library renovation will equip the building to become a technology help center, with study skills, writing and reading tutoring, and a learning commons that provides space that is flexible, innovative and open to students.

Livingston Lord Library's level of deferred maintenance is unusually high, at approximately $80 per square foot; this project will address most of that deferred maintenance.

Library renovation will provide more flexible space for multiple instructional and study needs.



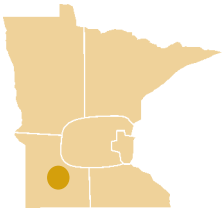
Southwest Minnesota State University

Marshall

Science lab renovation design

33

$300,000



Project at a Glance:

- Design the renovation of 20,000 square feet for biology, biology education, medical technology, cytotechnology, chemistry, chemistry education, environmental science, geology, natural science, humanity and environment, agronomy, physics and preprofessional programs
- Extend the useful life of the existing 47-year-old structure; improve the shell of the existing building, address mechanical and electrical efficiencies, and improve natural light use and water and air quality
- Renovation request for $5.5 million is anticipated in 2010
- Comply with the Americans with Disabilities Act
- Support science, technology, engineering and math initiatives
- Remove $2.7 million of deferred maintenance projects

Science labs need updating to accommodate current teaching methods and improve air quality.

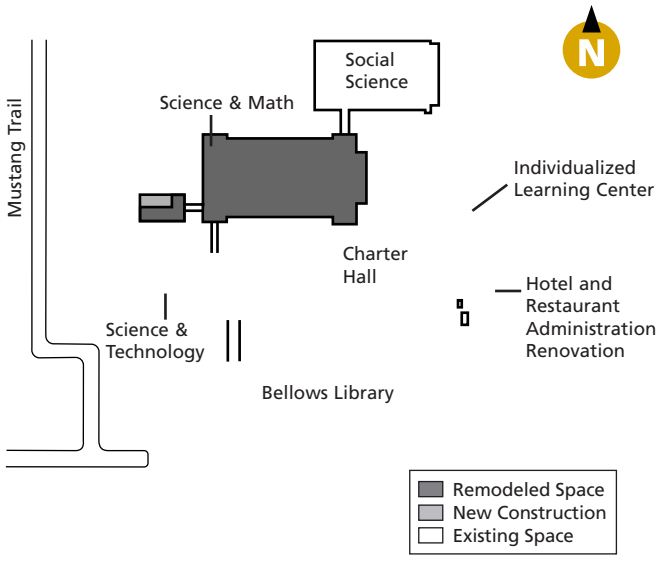
Student Impact:

The remodeling reflects a tradition of distinctive, barrier-free architectural access for students with disabilities.

This project mostly renovates existing space to conform with the university's master plan to maintain compactness and take advantage of existing space.

The university's agronomy, environmental science, physical science, astronomy, physics and plant science labs in the Science and Math building have not been updated since original construction in 1972. Fume hoods are unsafe, and labs do not meet today's standards for fresh air intake and ventilation. Chemical storage is not vented directly to the outside as current building code requires. Plumbing at the lab benches is overdue for replacement. The linear lab benches do not work for combined lectures and labs, which faculty now use. More modern benches would better support teaching and learning science by doing.

Many changes have occurred in science teaching methods over the last 36 years since these science labs were built. Science instruction today emphasizes an open-ended, active inquiry, using measurement and analysis tools that computers and the Internet have made available at reduced cost. This renovation will incorporate technology to match the new science teaching methods.

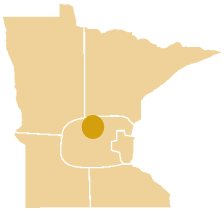


St. Cloud State University

Integrated science & engineering lab design

34

$1,900,000



Project at a Glance:

- Design for construction of a 91,000-square-foot integrated science and engineering laboratory facility
- Provide laboratory space for health science degree programs and integrated work across engineering, the sciences and student research programs
- Request for $42 million for construction is anticipated in 2010
- Offer an interactive and open laboratory environment to foster interdisciplinary, innovative and collaborative work and research among students and faculty
- Design will promote sustainable methods to improve energy efficiency in mechanical and electrical systems, use of daylight, site orientation and materials selection
- Support science, technology, engineering and math initiatives

Student Impact:

St. Cloud State University has a nearly 100 percent job placement rate in all science and engineering programs. Anticipated growth in the integrated bioscience and engineering industries places a greater emphasis on St. Cloud State University's need for facilities that support study in these fields.

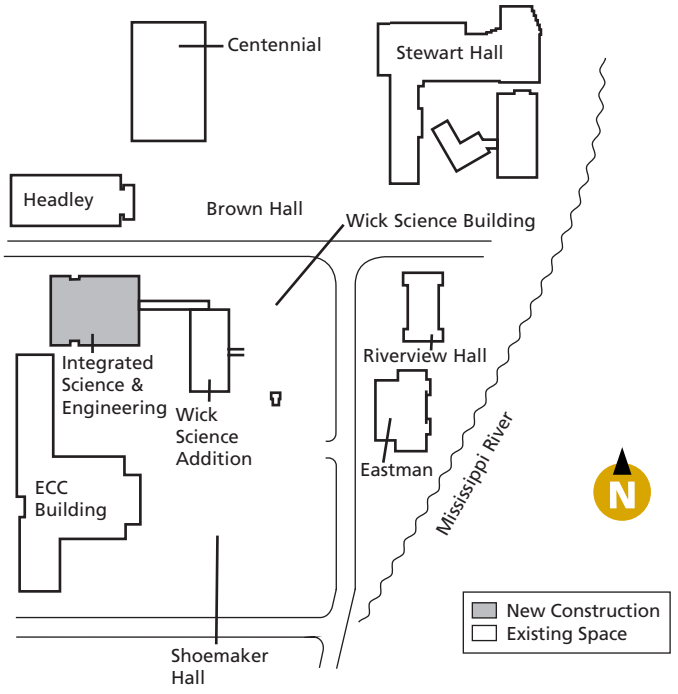
Current facilities afford little space for student project work, an increasingly common capstone requirement for undergraduates. Current space is inadequate for faculty and student research required to prepare students for their careers.

The increasing demand in bioscience and engineering industries in conjunction with the student interest in these fields at St. Cloud State University is a formula for significant positive economic impact on Minnesota. Recognizing this, the university completed a comprehensive science and engineering master plan incorporating enhancement of existing facilities with the development of a new structure. The new project is the result of continued planning through St. Cloud State University's academic master plan, its strategic plan and its master plan for facilities.

The emphasis on inter-disciplinary research and collaboration has never been as great as it is today. Teaching and research, along with practice in the private sector, increasingly use knowledge and methodology of multiple disciplines. To this end, academic and science buildings need to bring together various departments and foster high levels of collaboration.

Students and faculty are looking for work environments that promote a sense of community. Universities are discovering that to recruit and retain top-quality teaching talent and best prepare students, buildings need to facilitate collaboration. This building will meet these needs for St. Cloud State University.

Students need labs that support their collaborative research projects.



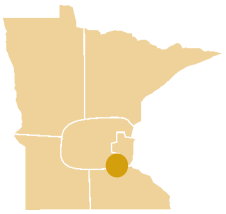
Dakota County Technical College

Rosemount

Transportation & emerging technologies lab design

35

$300,000



Project at a Glance:

- Design to renovate 98,000 square feet for transportation and emerging technologies
- A renovation request for $6.5 million in 2010 and again in 2012 is anticipated
- Design will promote all sustainable issues to improve energy efficiency in mechanical and electrical system, daylight use, site orientation and materials selection
- Support science, technology, engineering and math initiatives
- Eliminate $3.5 million of deferred maintenance projects

Student Impact:

The project will improve instructional program space in high-wage, high-demand transportation-related program areas, including automotive technician, automotive body collision, heavy construction equipment mechanic, heavy duty truck technology, railroad conductor training, welding and civil engineering. The project also improves instructional space dedicated to the emerging technology fields of biomedical equipment technology and nanotechnology.

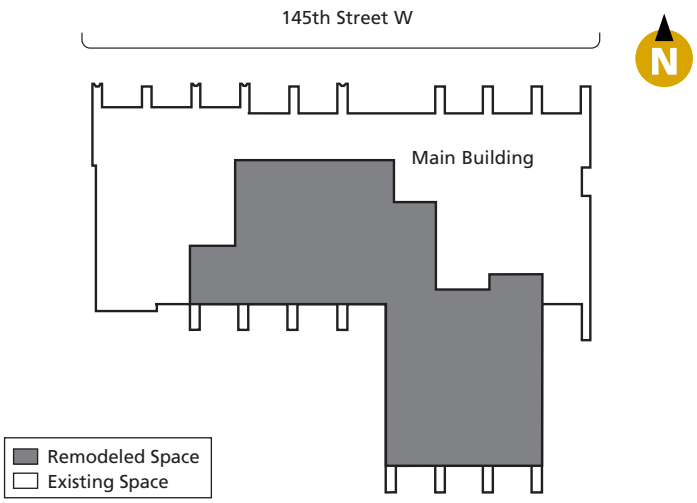
The project aims to maximize efficient use of the facility by creating common classroom and laboratory spaces to be shared by related academic programs. Sharing common instructional space among multiple programs will eliminate redundancies in specialized equipment needs, reducing program expenses and increasing space use while leaving these instructional areas flexible enough to easily adapt to future change. The project will allow a common core curriculum across similar programs. This means students will be prepared to enter any of several programs.

Through this project, the college will better meet the workforce development needs in transportation fields and the emerging fields of biotechnology and nanotechnology. Industry partners include General Motors, Raytheon, 3M, Hysitron, Entegris, Cima, Nanotech and Caterpillar. These and other companies have provided the college with specialized laboratory equipment and materials for instructional. During the past year, equipment, material and in-kind donations to programs within the transportation and technical divisions have totaled more than $1 million.

During the 2005-06 academic year, 356 students graduated from the college's transportation and technical divisions. On average, more than 95 percent of these graduates secure employment in a field related to their studies. The U.S. Department of Labor estimates that most major transportation-related job categories in Minnesota will experience job growth equivalent to all other occupations through 2014. The median monthly income is $3,900 for transportation and technical occupations.

Programs within the transportation and technical divisions attract significant numbers of students from underrepresented populations. For example, 88 students of color were enrolled within the college's transportation division during the 2005-06 academic year, representing 17 percent of the division's total student headcount.

Renovation of technical programs space will improve access to specialized equipment and ensure efficient use of labs and classrooms.

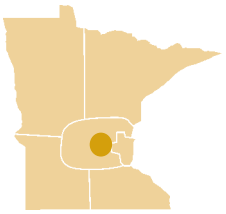


St. Cloud Technical College

Allied Health Building renovation design

36

$300,000



Project at a Glance:

- Design to renovate 53,000-square-foot building purchased in 2006 with legislative funding
- Renovation will provide the opportunity to increase access to allied health programs and expand allied health program offerings
- Request for $5 million is anticipated in 2010
- Use recycled or renewable "green" products where feasible
- Use materials with high post-consumer recycled content and low levels of volatile organic compounds to maintain a healthy indoor environmental quality
- Use energy efficient mechanical, electrical and water-saving devices
- Support science, technology, engineering and math initiatives
- Purchase and renovation costs less than new construction of science lab space

Student Impact:

Renovation of the Allied Health Building for use as a medical training facility is a critical component of St. Cloud Technical College's master plan. The project's purpose is to create a state-of-the-art medical training facility that will meet a growing regional demand for skilled allied health care professionals. The college currently has no existing space to expand allied health care programs or to create labs necessary for career-laddering nursing and allied health associate degrees. Renovation will enable the college to expand allied health programs, simulate real-world health care labs, create a dental clinic for low-income people and create virtual-simulation labs that mirror situations students will encounter on the job.

St. Cloud Technical College has developed several industry partnerships with local health care providers to address the need for a highly skilled and trained workforce.

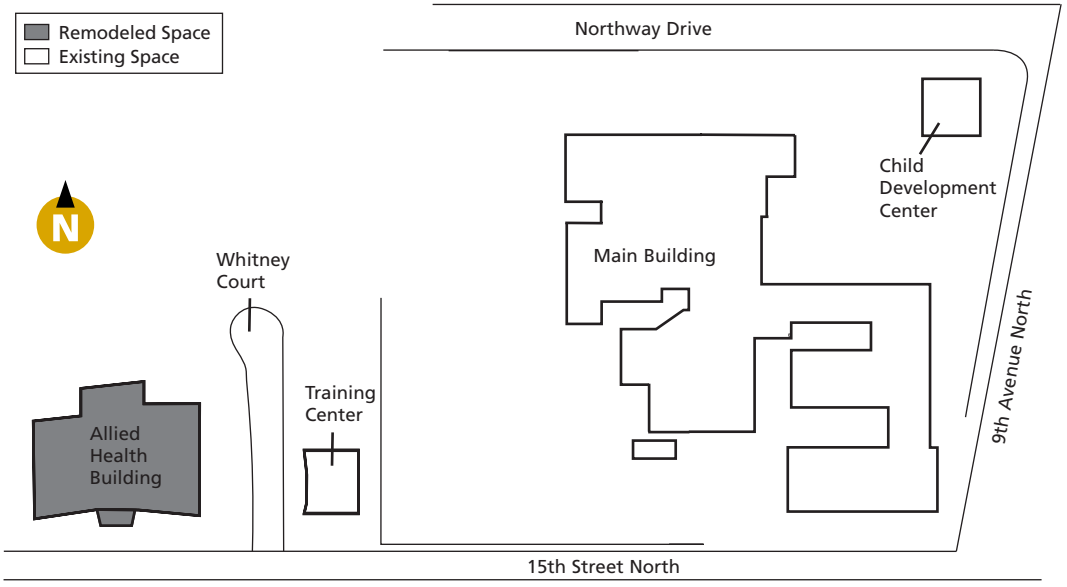
Nursing classrooms and labs currently are co-located in the Health Partners Clinic.

The college also is working with local nursing homes in an accelerated program called the Long Term Care Connection that enables students to earn nursing degrees.

The college received a grant from the Minnesota Department of Health to establish a dental clinic where students provide dental cleaning services to low-income citizens.

A federal grant funded the Nursing Education Consortium with St. Cloud Technical College, St. Cloud State University, the College of St. Benedict and CentraCare clinic. Funds were used to improve and expand nursing programs to increase the number of skilled graduates entering the health care workforce.

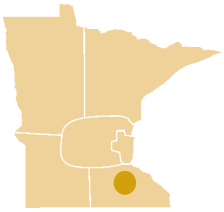
Students will learn in state-of-the-art health care labs that simulate real medical situations.



Rochester Community & Technical College

Workforce center & school district co-location design

37
$300,000



Project at a Glance:

- Design an addition for the workforce center, classroom renovation and space for a K-12 Career and Technical Education Center, or CTECH, at the Heintz Center
- Project will be a joint partnership for program development and building maintenance
- Construction request for $3 million is anticipated in 2010 for the college portion of this interagency project
- Design will improve energy efficiency in mechanical and electrical systems, use of daylight, site orientation and materials
- Project includes upgrades to the heating, ventilation and air conditioning system for the entire Heintz Center building to allow additional use of steam, a renewable energy source generated by the Olmsted Waste-to-Energy Facility
- Support science, technology, engineering and math initiatives
- Eliminate $2 million of deferred maintenance projects

Student Impact:

Co-locating the Minnesota Workforce Center-Rochester and Rochester Public Schools programs at Rochester Community and Technical College creates a unique opportunity to bring together workforce training, career path education and technical high school preparation.

Workforce centers are portals both for employers and job seekers. The co-location project will leverage the services of the workforce center and the educational resources of Rochester Public School District 535 and the college to provide the community with comprehensive, integrated and individualized services and education for employers, job seekers and those seeking economic independence.

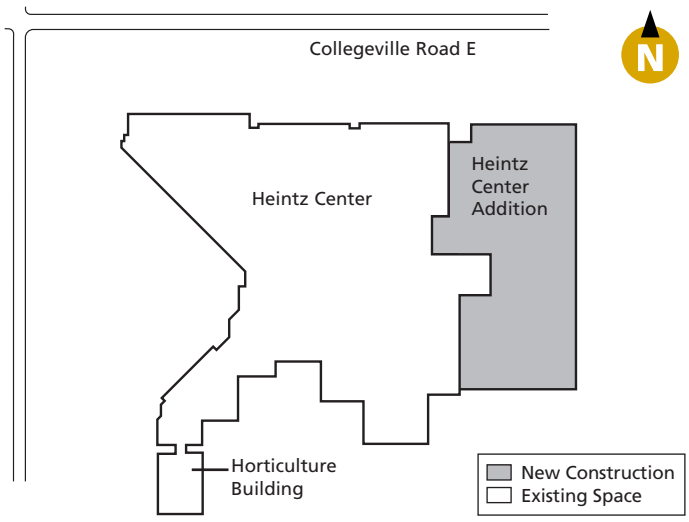
The co-location will provide information and resources that will enable individuals to achieve economic security and help employers compete successfully in today's economy.

The essence of the project will be to create a one-stop approach to delivering services, enabling career and technical students and workforce center clients to more easily use the college's training and education services. The workforce center and public schools will pay the college for leased space in proportion to the square footage in the new addition that they use.

The goal of the Career and Technical Education Center is to provide alternative and technical learning options for students with challenges in the standard high school environment. The strong connection between the high school technical classes and Rochester Community and Technical College classes will provide high school students a glimpse into the learning opportunities offered at the college.

The project fosters collaboration between state agencies, secondary and post-secondary education, and community programs, helping to ensure that all Minnesotans have the opportunity to advance their skills sufficiently to make meaningful contributions to the growth and economic vitality of the greater Rochester region and the state.

The addition will enable K-12 career and technical students and workforce center customers to more easily use the college's training and education resources.



Sustainability: Why 'green' renovation and construction makes sense

Today, the terms "green" and "sustainable" turn up in the common vocabulary for describing everything from consumer products to neighborhood design – largely the result of the public's heightened environmental awareness. But green and sustainable also describe longstanding best practices in facilities planning, construction and operations within the Minnesota State Colleges and Universities system.

Renovate, reuse, recycle – these are the first choices for facilities planners when a college or university needs updated or additional space to meet educational needs or faces serious building deterioration. Renovation extends the lifespan of existing buildings by another 50 years or so, conserves natural resources, reduces landfill and increases the quality of students' educational experiences.

In the 2008 capital budget request, 28 of the 37 projects include some amount of reuse and renovation. Fourteen of the projects are 100 percent renovation.

In addition, capital project plans include use of recycled content and renewable "green products" where feasible, materials that maintain a healthy indoor environment, and energy-efficient mechanical, electrical and water-saving devices.

Planning process reflects goals

The system's design guidelines result in buildings that are 30 percent above code in energy efficiency and feature flexibility and lasting value for the academic programs, campuses and communities they serve.

The goal of the system's planning process is to maintain the state's buildings with renovation first and new construction only when recycling or renovation is not feasible or sufficient to meet space needs. The planning process also incorporates environmental components such as site orientation, proximity to other campus buildings and parking, appropriate water runoff and energy efficiency in initial cost and long-term operational savings.

Other environmental components include:

- Durable and energy-efficient roofs, windows and walls
- Energy-efficient boilers and chillers with the ability to operate in zoned sections of a building
- Class scheduling that enables heat and air conditioning to be adjusted in certain areas to save energy costs during low-occupancy times
- Motion detection systems that turn off lights when rooms are not in use
- Low-flow water-saving devices

Greater energy efficiency, a healthy indoor environment and conservation of natural resources through sustainable renovation and construction methods are priorities in the system's facilities plan. Lake Superior College's new Academic and Student Services Building, funded in 2005, is on track to complete the silver LEED registered certification, meaning it meets standards of the Leadership in Energy and Environmental Design Green Building Rating for new construction.

- Landscaping with rain gardens to improve quality of storm water runoff, planting for wind protection and sun shade, and low-maintenance plantings such as prairie grass that require no chemicals and less mowing
- Verifying that mechanical, plumbing and electrical systems are installed correctly and operate at maximum efficiency

Campuses work toward sustainability

Each of the projects in the 2008 bonding request includes sustainable practices. Individual state colleges and universities continue to take strides to reduce energy consumption, make the best use of existing space and increase the lifespan of buildings.

Examples:

- A gymnasium being converted into six classrooms to meet enrollment growth at Normandale Community College
- Eighteen colleges configuring labs to more efficiently share spaces for similar programs
- The Law Enforcement Center at Alexandria Technical College connecting to a county biomass incinerator and purchasing the steam produced by the incinerator

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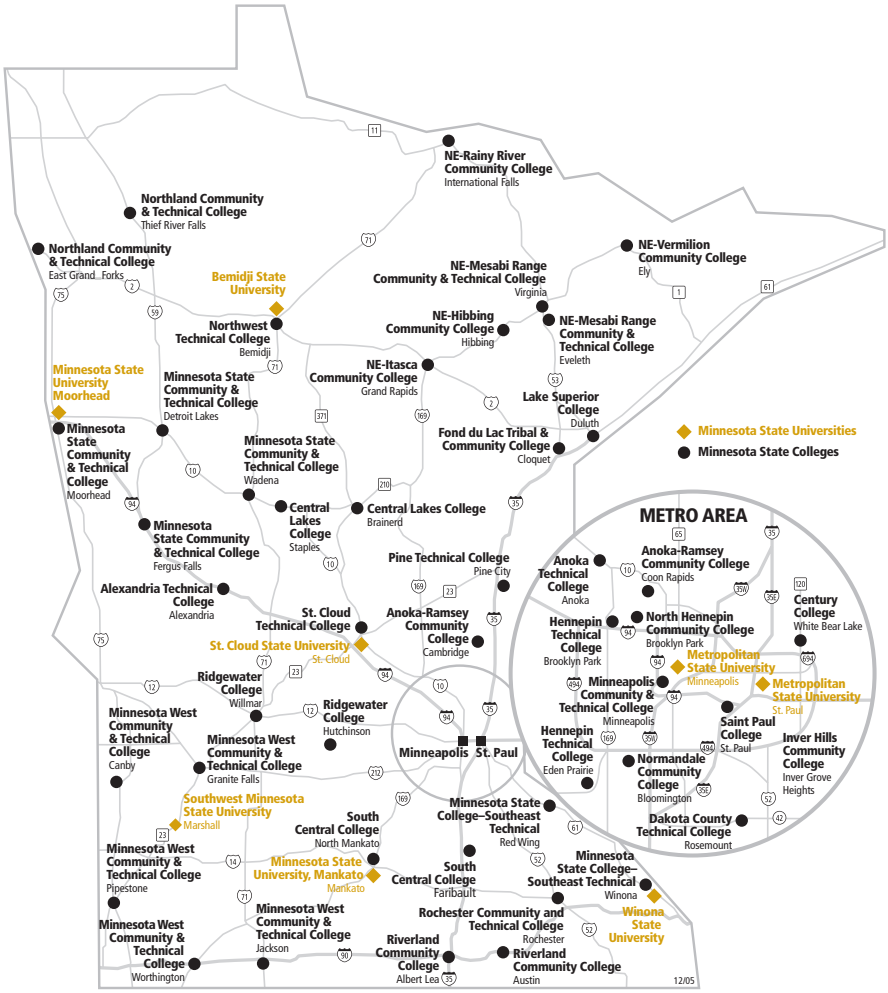

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