The Minnesota State Colleges & Universities System

2004 CAPITAL BUDGET REQUEST



Maintaining the Edge:

BUILDING MINNESOTA'S FUTURE

CAMPUS MAP



Minnesota State Colleges & Universities

Alexandria Technical College Anoka-Ramsey Community College Anoka Technical College Bemidji State University Central Lakes College Century College Dakota County Technical College Fond du Lac Tribal & Community College Hennepin Technical College Hibbing Community College* Inver Hills Community College Itasca Community College* Lake Superior College Mesabi Range Community & Technical College* Metropolitan State University Minneapolis Community & Technical College Minnesota State College-Southeast Technical Minnesota State Community & Technical College Minnesota State University, Mankato Minnesota State University Moorhead Minnesota West Community & Technical College Normandale Community College North Hennepin Community College Northland Community & Technical College Northwest Technical College ** Pine Technical College Rainy River Community College* Ridgewater College Riverland Community College Rochester Community and Technical College

- St. Cloud State University St. Cloud Technical College St. Paul College South Central Technical College Southwest Minnesota State University Vermilion Community College* Winona State University
- Hibbing, Itasca, Mesabi Range, Rainy River and Vermilion make up the Northeast Higher Education District, a consortium of five state colleges.
- ** Northwest Technical College is aligned with Bemidji State University.

Architectural drawings in this publication were created by graphic design program students Tzeitel Kersey and Randy Sayre at St. Paul College under the direction of instructor Diane Bennion.

The Minnesota State Colleges & Universities System 2004 CAPITAL BUDGET REQUEST

Rank	Institution	Project	\$ Millions (rounded)	Page
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1	All State Colleges & Universities	Repair & replacement	\$100.0	4
2	Winona State University	Pasteur Hall science renovation	\$10.2	6
3	Minnesota State University Moorhead	Hagen Hall science renovation	\$9.6	7
4	Century College, White Bear Lake	Technology center renovation	\$4.5	8
5	St. Cloud State University	Centennial Hall renovation completion	\$2.9	9
6	Lake Superior College, Duluth	Academic & student services addition	\$10.4	10
7	St. Cloud Technical College	Classroom addition & workforce center renovation	\$13.9	11
8	South Central Technical College, Faribault, North Mankato	Applied lab renovation	\$4.7	12
9	Inver Hills Community College, Inver Grove Heights	Student services addition & renovation	\$5.6	13
10	Systemwide – science	Science lab renovations	\$8.9	14
11	Systemwide – workforce	Workforce training classrooms	\$5.6	15
12	Systemwide – technology	Technology-updated classroom renovation	\$3.7	16
13	Systemwide – demolition	Demolition initiative	\$1.6	17
14	Systemwide – programs	Program consolidation initiative	\$2.0	18
15	Systemwide – land	Land acquisition	\$2.0	18
16	Dakota County Technical College, Rosemount	Information technology & telecommunications renovation	\$6.8	19
17	Minnesota State Community & Technical College, Fergus Falls	Instructional technology & fine arts addition	\$7.0	20
18	Minnesota State Community & Technical College, Moorhead	Sciences & trades addition	\$6.5	21
1 9	Bemidji State University/Northwest Technical College	Bridgeman Hall renovation, health addition	\$10.0	22
20	Minnesota State College - Southeast Technical, Winona	Student services, nursing & learning resource renovation	\$3.5	23
21	St. Paul College	Construction trades renovation & additions	\$10.1	24
22	Minnesota State University, Mankato	New science addition & Trafton Hall renovation design	\$2.6	25
23	St. Cloud State University	Brown Hall & Math & Science building renovation design	\$0.9	26
24	Rochester Community and Technical College	Health sciences renovation	\$11.7	27
25	Minneapolis Community & Technical College	Health & science lab renovations	\$5.8	28
26	Century College, White Bear Lake	New science & library building design	\$1.0	29
27	Riverland Community College, Albert Lea, Austin	Science labs renovation	\$5.1	30
28	Anoka-Ramsey Community College, Cambridge	Academic building addition & metal building demolition	\$9.7	31
29	Fond du Lac Tribal & Community College, Cloquet	New library & cultural center design	\$0.6	32
30	Minnesota State University Moorhead	MacLean Hall renovation design	\$0.5	33
31	Central Lakes College, Brainerd, Staples	Heavy equipment & music additions	\$5.5	34
32	Northland Community & Technical College, Thief River Falls	Workforce addition & nursing renovation	\$2.0	35

Total \$274.9

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To the Legislature, the Governor and the People of Minnesota

The educational services provided by the 32 Minnesota State Colleges and Universities are essential to maintaining Minnesota's competitive edge. The system, which includes two-year and four-year higher education institutions, is the state's largest higher education provider. The member colleges and universities serve about 240,000 students in credit-based courses each year and an additional 130,000 in noncredit courses. In fiscal year 2003, the system produced more than 29,000 graduates; if past trends continue, more than 80 percent of them will stay in Minnesota to work or continue their education.

In order to maintain the state's competitive edge and protect the investment state taxpayers have made in the state colleges and universities, facilities must be safe, well cared for and as up-to-date as possible. We are pleased to transmit to you the system's capital budget request for fiscal years 2004 and 2005. This request is in line with *Designing the Future*, the system's strategic plan for 2002-2005, which outlines three guiding principles and four strategic directions.

The guiding principles:

- Student focus helping students achieve their goals
- Community success building thriving communities
- Stewardship efficiently and effectively managing resources

The strategic directions:

- Increase access and opportunity
- Expand high-quality learning programs and services
- Strengthen community development and economic vitality
- Fully integrate the system

This request is the product of a process that involved consultation with many constituencies. Technical teams representing the colleges and universities reviewed all proposed projects according to priorities established by the Board of Trustees. Three hearings were conducted at Granite Falls, St. Paul and Bemidji to receive public input. In June 2003, the board unanimously approved a priority list of 32 projects, including the top priority request for \$100 million for major repair and replacement projects for classrooms, laboratories, student and administrative space, and building infrastructure systems.

This \$274.9 million request will benefit every state college and university campus. We look forward to the opportunity to discuss this request in more detail.

Sincerely,

Jim A. Luoma Chair, Board of Trustees

MC

James H. McCormick Chancellor

Enrollment growth puts pressure on campus facilities

Student enrollment in the 32 Minnesota State Colleges and Universities reached a record high in fall 2003, with headcount enrollment 3.3 percent higher than fall 2002, an increase of 5,500 students.

This is the fifth consecutive year of significant enrollment growth. The fall semester 2003 headcount enrollment of 171,457 students is a record high for the system. The previous year's fall semester enrollment, which also set a record, was 165,908. Including spring and summer sessions, the system serves about 240,000 individual students annually in creditbased courses and an additional 130,000 in non-credit courses.

While the strong enrollment growth indicates student confidence in the quality and affordability of the system's educational offerings, the growth is putting a strain on educational facilities throughout the system. The lack of up-to-date laboratories and classrooms is hampering the capacity of the colleges and universities to expand programs in areas of critical need such as nursing and science careers.

The state's lagging economy also has caused increased demand for higher education as laid-off workers from struggling industries seek retraining for new careers. Dislocated workers from the airline, mining and manufacturing industries are enrolled in high-demand state college and university programs such as biomedical equipment technology, nursing and other health care occupations.

Science, labs, "smart classrooms" top list



Nearly three-fourths of the major capital projects request is for science space, laboratories and technology-equipped classrooms. Percentages are based on square footage of projects in the \$174.9 million portion of the total request, not including repair and replacement projects.

Maintaining the Edge: Building Minnesota's Future describes the system's request to the 2004 Legislature for capital funds for 25 campus projects and seven systemwide projects to maintain the state's competitive edge and revitalize the Minnesota State Colleges and Universities.

The \$274.9 million request will benefit every state college and university in the system. The top priority is repair and replacement projects on all campuses, followed by capital improvements in science labs and classrooms, technology and student services.

Protecting the public's investment

Protecting the public investment in the physical assets of the state colleges and universities is the number one priority in the system's 2004 capital budget request. Three-fourths of this year's request is for renovation of existing spaces, with the rest for new construction. The system's Board of Trustees takes seriously the responsibility to be good stewards of existing assets and to protect previous investments made by state taxpayers in the colleges and universities.

The largest single item and the board's top priority is a request for \$100 million in repair and replacement funds. These funds will be used to replace 2.2 million square feet of roofs, provide fire and safety improvements for 2.5 million square feet of space and make mechanical and electrical improvements to 500,000 square feet of space. These improvements will benefit every college and university in the system.

Health care, science projects emphasized

The Minnesota State Colleges and Universities educate 78 percent of the state's new nursing graduates each year. At a time when the state is facing a severe shortage of nurses, these programs have become increasingly important. The 2004 capital budget request places an emphasis on projects that will help colleges and universities expand their capacity to educate health care professionals and make improvements in laboratories and science facilities.

Updating classrooms to take advantage of advanced technology in teaching is an additional area of emphasis. Several projects create "smart classrooms," which offer new opportunities in teaching and learning by integrating networking, computers and audio visual technologies.

All State Colleges & Universities

Repair and replacement





Project at a Glance

- Project will benefit all 53 campuses in the 46 communities in which state colleges and universities are located
- More than one-third of the request – \$33.0 million

 is for roof replacement
- Fire safety code compliance, mechanical and electrical reliability projects make up the remainder of the request

Project Description

The Minnesota Legislature has recognized that the colleges and universities have physical plant needs that differ significantly from those of state departments and agencies (Minnesota Statutes 135A.046). This project includes roof replacement; heating ventilation and air conditioning replacement and repair; fire alarms and sprinklers; window replacement; tuck pointing; and life safety and code compliance.

The system's physical assets are 20 million gross square feet of academic buildings located on 53 campuses. The system and its institutions have a public responsibility to make sure these physical assets are used to their fullest advantage and maintained in a manner that protects the public investment. This request does not include state university revenue fund buildings.

The request can be broken into four categories:

- Roof replacement: \$33.0 million
- Mechanical and electrical reliability: \$36.2 million
- Fire safety: \$8.3 million
- Safety code compliance and interior and exterior preservation: \$22.8 million



A maintenance crew at Alexandria Technical College repairs the ventilation system.

Repair and replacement projects benefit all campuses

Institution name	Number of projects	\$ million (rounded)
Alexandria Technical College	3	\$2.0
Anoka-Ramsey Community College	4	\$2.0
Anoka Technical College	3	\$0.3
Bemidji State University/Northwest Technical Coll	ege 5	\$5.9
Central Lakes College	5	\$2.3
Century College	3	\$2.2
Dakota County Technical College	2	\$3.1
Fond du Lac Tribal & Community College	1	\$0.1
Hennepin Technical College	3	\$3.9
Inver Hills Community College	3	\$1.7
Lake Superior College	2	\$0.2
Metropolitan State University	4	\$0.9
Minneapolis Community & Technical College	3	\$4.5
Minnesota State College - Southeast Technical	6	\$1.6
Minnesota State Community & Technical College	8	\$3.0
Minnesota State University, Mankato	14	\$8.3
Minnesota State University Moorhead	9	\$5.5
Minnesota West Community & Technical College	3	\$2.6
Normandale Community College	3	\$1.9
North Hennepin Community College	4	\$1.9
Northeast Higher Education District Hibbing Community College Itasca Community College Mesabi Range Community & Technical College Rainy River Community College Vermilion Community College	6	\$6.7
Northland Community & Technical College	6	\$2.7
Pine Technical College	2	\$0.6
Ridgewater College	5	\$3.7
Riverland Community College	2	\$2.7
Rochester Community and Technical College	5	\$3.9
St. Cloud State University	5	\$8.2
St. Cloud Technical College	6	\$2.0
St. Paul College	5	\$2.3
South Central Technical College	6	\$2.3
Southwest Minnesota State University	5	\$3.8
Winona State University	2	\$5.3
Systemwide project design & reserve		\$1.9
Tota	l 143	\$100

Failing roofs need replacement

The Minnesota State Colleges and Universities System is the custodian of 287 acres of roofs on educational buildings. Of the total repair and replacement request, \$33 million is to replace 2.2 million square feet or 10 percent of the system's roofs.

Since 1995, the system has systematically replaced 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 further structural damage. All 287 acres of roofs are inspected by professional engineers yearly and rated for remaining useful life. All roofs slated for replacement in this capital budget request are categorized as having less than one year of remaining useful life. Some have been in the category of having no years of remaining life for several years.

Roofs at 31 campuses would be repaired or replaced.

The Minnesota State Colleges and Universities System has developed a replacement schedule that calls for reinvestment in roofs every year. Under this schedule, all sub-standard roofs would be replaced in 17 years.

Mechanical and electrical systems exceed life expectancy

Most campus buildings were built in the 1960s and 1970s, and construction and mechanical systems have a life expectancy of only 35 years. Many building mechanical and electrical systems now have exceeded their designed life expectancy. While campus maintenance personnel are doing a good job of patching them, the mechanical systems eventually must be replaced. This request seeks \$36.2 million to replace major electrical or heating ventilating and air conditioning systems at 15 state colleges and universities.

Fire safety is a critical need

Following a fire at Southwest Minnesota State University two years ago, the system has surveyed all 53 campuses for fire detection and suppression equipment. Repair and replacement funding in 2002 addressed fire detection and monitoring needs. This request for \$8.3 million addresses the need identified in the survey for fire sprinklers at 14 campuses.

Mechanical and electrical system projects

Alexandria Technical College	\$991,000
Anoka-Ramsey Community College	\$1.7 million
Bemidji State University	\$2.9 million
Central Lakes College	\$900,000
Dakota County Technical College	\$1.5 million
Hennepin Technical College	\$3.7 million
Hibbing Community College	\$1.9 million
Inver Hills Community College	\$675,000
Minneapolis Community & Technical College	\$2.0 million
Minnesota State University, Mankato	\$1.0 million
Northeast Higher Education District	
Mesabi Range Community & Technical College	\$1.5 million
Riverland Community College	\$50,000
St. Cloud State University	\$4.0 million
St. Paul College	\$1.0 million
Southwest Minnesota State University	\$1.6 million
Winona State University	\$3.9 million
Small projects at 18 campuses	\$6.1 million

Total: \$36.2 million



The request earmarks \$33 million for 2.2 million square feet of roof replacements on 31 campuses.

Fire safety projects

Central Lakes College	\$92,000
Dakota County Technical College	\$1.45 million
Fond du Lac Tribal & Community College	\$17,800
Minneapolis Community & Technical College	\$1.1 million
Minnesota State College - Southeast Technical	\$127,000
Minnesota State Community & Technical College	\$650,000
Minnesota State University, Mankato	\$515,000
Minnesota State University Moorhead	\$2.0 million
Pine Technical College	\$282,000
Rochester Community and Technical College	\$350,000
St. Cloud State University	\$420,000
South Central Technical College	\$200,000
Southwest Minnesota State University	\$894,000
Winona State University	\$176,000

Total: \$8.3 million

Winona State University

Pasteur Hall science renovation Phase 2





Project at a Glance:

- Remodel 58,631 square feet of Pasteur Hall
- Phase 2 of Winona State University Strategy for Science
- Phase 1, new science building construction funded in 2002, scheduled for completion in spring 2004
- Supports sciences, engineering, nursing, allied health, geographic information systems and science teacher preparation
- Removes \$6.5 million in deferred maintenance projects

Community Impact:

Winona State University's collaborations with industry and government have led to the creation of science and engineering research centers. These centers provide research, analysis and testing services to the community, and practical experiences for students. The centers include:

- Composite Materials Testing Center
- Water Resource Center
- Large River Studies Center
- Infectious Disease Research Center
- Southeast Minnesota Analytical Services

Research is conducted in collaboration with the Minnesota Pollution Control Agency, the Minnesota Department of Natural Resources and the Southeast Minnesota Water Resources Board, a nine-county agency housed in Pasteur Hall.

Research projects undertaken by college faculty, often involving student interns, have more than doubled in the past decade. The renovation of Pasteur Hall, which was built in 1962, will provide high-tech, flexible, safe and efficient laboratories and classrooms for research and instruction.

The College of Science and Engineering is the second-

largest college at Winona State University, with seven departments - biology, chemistry, computer science, engineering and composite materials, geoscience, mathematics and statistics. and physics. The largest of these departments - biology, chemistry and computer science - have seen the most enrollment growth in the past 10 years as a result of increased student demand for health care and computer technology career preparation. Winona's composite materials engineering degree is the only such undergraduate program in the nation.

Science credit hour growth



More than 10 times as many credit hours of science courses were taken in the 2002-2003 academic year than were taken four decades ago at the university.



Minnesota State University Moorhead

Hagen Hall science renovation Phase 2





Project at a Glance:

- Remodel 82,610 square feet of Hagen Hall for science instruction
- Phase 2 of Minnesota State University Moorhead science project
- Phase 1, new science building construction funded in 2002, is scheduled for completion in spring 2004
- Supports science teacher preparation
- Removes \$8.4 million in deferred maintenance projects

Community Impact:

The Moorhead-Fargo area is a regional medical center and has growing agricultural and biotechnology industries. Strong, contemporary programs in the sciences will prepare

> Hagen Hall would be renovated for science instruction.

students for the wide variety of health care and professional positions in the region.

The university is dedicated to incorporating research into undergraduate education. The resulting competitiveness for grants and equipment upgrades has attracted faculty who would not have considered the university as recently as 10 years ago. Organization of the science and technology departments in a single facility will greatly enhance collaboration.

The proposed science and technology complex will meet current building codes, correct air quality problems and enhance current science teaching methods. It also will provide classrooms and laboratories with modern, upgradeable communication technology.





Century College White Bear Lake

Technology center renovation





Project at a Glance:

- Remodel 21,900 square feet of Transition Wing building purchased from Intermediate School District 916
- Design was funded in 2002
- Remodel and update 18,000 square feet of classrooms and offices on east campus
- Remodel 3,145 square feet previously leased to the intermediate school district for administrative offices
- Creates open computer labs and technology-enhanced classrooms

Community Impact:

The transformation from high school space to college classrooms will accommodate a 50 percent growth in demand for many forms of technology instruction. The new Technology Center will house the college's information and telecommunications technology program and the Microsoft certified specialist engineer program.

The renovation will include nine new classrooms, one lab and a seminar center, plus the college's information technology department. Plans include having the center open 24 hours a day, seven days a week, to better serve students and area residents.

The space vacated by these programs will be remodeled into modern classrooms with capability to use cutting-edge technology for instruction. The space will serve as a workforce training center for the community, with plans to keep it open seven days a week.

Century College is one of the largest two-year colleges in the Minnesota State Colleges and Universities System and has had a 54.4 percent growth in full-yearequivalent enrollment since fiscal year 1999.

The college's unduplicated headcount has increased by more than 4,000 students since 1999. Century has a 64 percent space deficit with no surplus space to convert to classrooms. Due to limited space, students cannot always take the courses they want because not enough sections are available. The college's last funded building project was in 1991.

Century College enrollment continues to grow



Since 1999, Century College has seen steady increases in full-year-equivalent enrollment.



Remodeled Space
New Construction
Existing Space

St. Cloud State University

Centennial Hall renovation completion Phase 2





Project at a Glance:

- Phase 2 of remodeling, furnishing and equipping Centennial Hall
- Phase 1 design and construction of Centennial remodeling was funded in 2003
- Moves G.R. Herberger College of Business, the English department and Writing Center and other academic departments into Centennial

Community Impact:

Several years ago, a comprehensive campus plan was developed integrating academic, enrollment and technology planning with facilities needs. The university conducted its own space utilization study of current space. Based on this study, a series of moves within existing buildings has begun in order to accommodate growth in student demand for several degree programs.

Centennial Hall, which was the former St. Cloud State University library, will be converted to a classroom, computer lab and office building.

St. Cloud State University is host to the Minnesota State Colleges and Universities regional computing center that provides computer network support and Web servers to the central regional of the state. This center, located in Centennial Hall, makes the production and distribution of rural distance education possible through its network support to libraries.

The business school and the English department will be expanded and moved to Centennial Hall. Surveys of employers in the greater St. Cloud area show they most value writing and communications skills in prospective employees who are university graduates. Locating the departments together will enable the university to create a Writing Center to meet this demand.

University space shortage



Space available per student at St. Cloud State is less than the system's recommended space per student.



Renovation of Centennial Hall would be completed under the proposed Phase 2, adding much-needed classroom space.



Lake Superior College

Duluth

Academic and student services addition





Project at a Glance:

- Construct 46,490 square feet for student services and classroom addition
- Remodel 8,860 square feet for student life activities
- Design was funded in 2003
- Addresses 46 percent enrollment growth over the past five years and a significant deficit of student support space and classrooms

Community Impact:

The Minnesota Department of Employment and Economic Development and the University of Minnesota Duluth Center for Economic Development recently completed a Northeast Minnesota Skills Assessment Report. The report recommends focusing economic development efforts on improving education and training systems helping high-wage local companies grow, and attracting and retaining young workers. As the most populous county in the region, St. Louis County has the highest percentage of available labor in the region.

The report identified trade and service firms as the economy's largest sectors. The majority of degrees offered at Lake Superior College fall into the trade and service sectors. Thus, the college continues to build its connections to these businesses through customized training and recertification, increasing the skills of current and dislocated workers through education.

In addition to providing much-needed facilities for instruction and student services, the proposed expansion will house a Job Training Partnership office, the regional NorthEast Alliance for Telecommunications, facilities for creative partnerships with K-12 and the college's home school academic support program.

The project also will address the need for space in specialized areas that

Lake Superior College enrollment grows



Full-year-equivalent enrollment has grown 46 percent over the past five years at Lake Superior College.

currently have a 58 percent space deficit. These include computer and telecommunication support, continuing education and customized training facilities, and work space for media production in support of the college's rapidly growing virtual campus.



St. Cloud Technical College

Classroom addition and workforce center renovation





Project at a Glance:

- Construct 40,835-squarefoot addition for academic classrooms and student services
- Remodel 40,315 square feet of "G" wing for the workforce center and to house shared programs with the college to create a "onestop" center. Four classrooms also will be created as part of the remodeling
- Design funded in 2003
- Reduces overall space deficit caused by consistent enrollment growth
- Enhances education for health care and computer careers

Community Impact:

The Minnesota State Colleges and Universities System is collaborating with the Minnesota Department of Employment and Economic Development to co-locate the Stearns-Benton Workforce Center on campus. This collaboration will improve access for a population that needs skills to enter the regional workforce and a convenient system to transition from unemployment and welfare dependency to gainful employment.

St. Cloud Technical College has developed strong partnerships with regional hospitals and other health care providers to supply skilled workers. The college did not have science labs in the past but now needs labs for health care education.

New and emerging technologies have changed the character of traditional technical programs. They have created a demand for advanced career options that require technology and smart classrooms for media-based instruction and alternative formats. This addition will allow St. Cloud Technical College to continue growth in these technology-rich programs that prepare students for the job skills required in the area.

Enrollment doubles



Enrollment growth has caused a space crunch at St. Cloud Technical College.



St. Cloud Technical College currently has inadequate laboratory space for health care programs.



Applied lab renovation

\$4,747,000

South Central Technical College

Faribault, North Mankato

Project at a Glance:

- Remodel 86,203 square feet of applied teaching labs at North Mankato
- Renovate 62,000 square feet at Faribault
- Design was funded in 2003
- Improves space for the college's Targeted Industry Partnerships in printing and graphics technology
- Improves space for electronics and wireless communications that support emerging regional businesses
- Reallocates space among technical programs such as manufacturing; heating, ventilating and air conditioning; and mechanics; in response to workforce and student needs

Community Impact:

South Central Technical College serves as a critical access point for technical programs such as manufacturing technologies, printing and graphics. The college will become a center of excellence supported by local and regional printing businesses.

The electronics and wireless technology programs work closely with sister departments at Minnesota State University, Mankato, and the Global Wireless Education Consortium in a Targeted Industry Partnership. This emerging south central Minnesota industry includes several large Mankato-area wireless communications firms.

Mankato is a major agricultural center, and the college offers the only agribusiness mechanic training program within a 50-mile radius of Mankato. The labor market is good for farm mechanic graduates, who have had a 94 percent employment rate in related fields and earn a median salary of \$13.86 per hour.

The renovation of agricultural mechanics laboratories will enable the curriculum to accommodate current industry equipment sizes and technology. These laboratories will be renovated as flexible industrial spaces that can be easily updated to support future changes in technology or the

regional economy. The Faribault renovations include window replacements and building code compliance.

Career employment rates high for graduates



A survey of graduates measures the rate of employment in jobs related to their field of study one year after graduation. This chart shows a five-year average ending in 2003.



North Mankato campus

Student services addition and

renovation

\$5,565,000

Inver Hills Community College

Inver Grove Heights

Project at a Glance:

- Construct 19,304-squarefoot addition for "one-stop" student services
- Remodel 16,676 square feet of student services space
- Design was funded in 2003
- Project will integrate services for customized training students and credit students
- Consistent increase in enrollment has resulted in a space deficit

Community Impact:

The student addition will improve the ability of students to seamlessly attain their educational and career goals. The addition will create a main entrance to the college center building, as well as solve plant services space deficits.

Inver Hills Community College serves the educational needs of the Twin Cities southeast metro area, and enrollment growth has resulted in a space average of 93 square feet per student, the lowest of all metro-area schools and 19 square feet per student below the Minnesota State University and Colleges standards.

Inver Hills has instituted several enrollment management practices and encouraged Web-enhanced classes that meet fewer days per month, using fewer classrooms. However, space still is insufficient, and essential business and student services are scattered across several locations. The consolidation of the offices will improve efficiency and enhance student counseling, advising and other services.

Inver Hills is one of five Cisco Certified Network Professional Training sites in the nation. The site serves 12 Midwestern states and has one of the highest certification pass ratios in the country. This project will make registration easier and quicker for customized training students by consolidating services with those for credit students.

Enrollment grows



The college has had dramatic enrollment growth over the past two decades.



Student advising services would be enhanced by the proposed construction and remodeling project.



Systemwide

Science laboratory renovations





Square

feet

2,035

1,663

1,560

1,250

2,000

1,207

1,900

1,600

1,075

1,027 1,220

4,400

1,285

2,008

1,979

3,600

3,526

Project at a Glance:

- Systemwide initiative will remodel 33,335 square feet of science laboratories at 17 campuses
- Convert classrooms into laboratories on campuses with no existing laboratories
- Renovate existing laboratory space to improve safety and accessibility
- Supports nursing, allied health and basic sciences degree programs

Community Impact:

The science laboratory initiative will improve access to science opportunities and careers and help meet national goals for a better educated workforce in the sciences. Minnesota State Colleges and Universities supplies 78 percent of all the new nursing graduates in Minnesota. Up-todate science labs are needed to train nursing students using current industry equipment and to meet the standards of care that health care consumers expect.

Southwest Minnesota State University will update biology, agronomy and chemistry labs to improve air quality, plumbing and electrical service. Labs will be remodeled for multi-discipline flexibility.

Science lab renovations planned for 17 campuses

Institution	Project
Alexandria Technical College	Allied health lab
Anoka-Ramsey Community College, Cambridge	Biology/nursing lab
Central Lakes College, Staples	Multipurpose lab
Century College	Pharmacy technology lab
Dakota County Technical College	Multipurpose science lab
Minneapolis Community & Technical College	Biology lab
Minnesota West Community & Technical College, Granite Falls	Allied health lab
Minnesota West Community & Technical College, Pipestone	Allied health lab
Minnesota State Community & Technical College, Moorhead	Dental lab
Northwest Technical College	Allied health lab
Pine Technical College	Multipurpose science lab
Ridgewater College, Hutchinson, Willmar	Physics & general science labs
St. Cloud Technical College	Biology & nursing lab
St. Paul College	Biology lab
South Central Technical College, North Mankato	Multipurpose lab
Southwest Minnesota State University	Biology/agronomy & chemistry labs
Vermilion Community College	Environmental science labs



INSTITUTION	PROJECT	PRIORITY / TOTAL COST	LOCATION
Systemwide	Workforce training classrooms	11 \$5,600,000	

Project at a Glance:

- Remodel 61,296 square feet of existing obsolete or underutilized space for individual campus or regional workforce training needs
- Build a rampway for a donated 727 airplane

Community Impact:

The initiative converts obsolete campus space into classrooms and laboratories that better enable the colleges and universities to provide training and education to employees and help meet the state's current and future workforce needs.

Thirteen campuses statewide would benefit

Institution	Project	Square feet
Anoka Technical College	Plumbing technology lab	7,000
Century College	Nursing lab	5,350
Minnesota State Community & Technical College, Moorhead	General education classroom	3,585
Minnesota State University Moorhead	Convert Murray Commons to nursing	9,215
Minnesota West Community & Technical College, Granite Falls	Co-locate robotics & fluid power	2,000
North Hennepin Community College	Nursing lab	2,027
Northland Community & Technical College, East Grand Forks	Biomedical equipment lab & accessible entrance	7,704
Northland Community & Technical College, Thief River Falls	Rampway for airplane	30,000
Northwest Technical College	Construction electricity lab & instructional technology offices	1,550
Pine Technical College	Automotive technology lab	9,290
Ridgewater College, Willmar	Photo technology lab & nursing lab	6,307
Rochester Community and Technical College	Veterinary technician & customized training	4,500
South Central Technical College, Faribault	Nursing & general education	2,768



Northland Community & Technical College will convert an underused shop into labs for biomedical equipment technician and industrial electrician programs.



North Hennepin Community College will create two nursing labs and support areas from the old Campus Center.

INSTITUTION	PROJECT	PRIORITY / TOTAL COST	LOCATION
Systemwide	Technology-updated classroom renovation	12 \$3,700,000	

Project at a Glance:

- Remodel 94,329 square feet of classrooms on 12 campuses with technology for connectivity to worldwide resources
- Remodel existing • classrooms with wiring, acoustical treatment and lighting to allow technology update

Community Impact:

Reshaping the classroom to integrate technology will enable high-quality interactive student learning and will connect students at Minnesota State Colleges and Universities to the full range of education opportunities and resources available worldwide. The renovations also will enable students who are outside commuting distance to have access to classroom instruction via distance education. Six of the 12 projects are introducing basic technology into the classrooms.

Normandale Community College is requesting funds to convert three more classrooms to "smart classrooms" like this one.

Technology renovations planned for 12 campuses

Institution	Project	Square feet
Minnesota State College-Southeast Technical, Red Wing	Multimedia auditorium	3,600
Minnesota West Community & Technical College, Granite Falls	Allied health classroom	1,758
Normandale Community College	Accelerated business classrooms	3,530
North Hennepin Community College	Liberal arts, fine arts auditorium	7,948
Northland Community & Technical College	Smart classrooms	1,100
Pine Technical College	Smart classrooms computer labs & interactive television classroom	4,469
Riverland Community College, Albert Lea	Smart classrooms	6,023
Riverland Community College, Austin	Smart classroom	985
St. Cloud State University	Smart classrooms	20,000
St. Paul College	Liberal arts classrooms	10,479
South Central Technical College, Faribault	Smart classrooms	19,623
Southwest Minnesota State University	Music, liberal arts classrooms	14,814



Systemwide

Demolition initiative





Project at a Glance:

- Systemwide initiative to demolish 97,469 square feet of obsolete campus buildings
- Campus-initiated demolition requests

Community Impact:

In some of the proposed demolition projects, the local building authority has declared the buildings unfit for human habitation. In others, the dilapidated buildings have been the subject of local concern involving conforming land use and poor exterior condition. The 18 buildings represent a combined total of \$7.6 million in deferred maintenance that will be permanently removed from the system's backlog, resulting in \$4.67 saved for each dollar invested.

Winona State University will demolish the 1956 Howell Hall. The space will be converted to campus green.

North Hennepin Community College's non-functioning fountain has caused sinkholes that have buckled sidewalks. The fountain and plaza will be demolished.

Demolition projects slated for 10 campuses

Institution	Project	Square feet
Alexandria Technical College	Temporary wood-frame Design Studio	3,020
Anoka-Ramsey Community College, Cambridge	Five farm buildings	4,027
Inver Hills Community College	Tennis courts	N/A
Metropolitan State University	Top two floors of power plant	8,040
Minnesota State Community & Technical College, Detroit Lakes	Two outbuildings	18,229
Minnesota State University Moorhead	Two wood-frame houses	3,295
Minnesota West Community & Technical College, Pipestone	North Agriculture Building	12,280
North Hennepin Community College	Courtyard plaza	6,951
South Central Technical College, North Mankato	Two storage sheds	1,500
Winona State University	Howell Hall	23,117





INSTITUTION	PROJECT	PRIORITY / TOTAL COST	LOCATION
Systemwide	Program consolidation initiative	14 \$2,000,000	
 Project at a Glance: Consolidation initiative will enable a campus to close an underutilized program and improve a similar program at another campus Strengthen existing academic programs and maintain needed access to programs 	 Community Impact: This initiative will increase efficiency by consolidating programs that have low enrollment while creating stronger enhanced programs to serve the region. Proposed projects: Century College will close its machine tool program, and resources will be relocated to Anoka Technical College to strengthen its existing program. 	 Minnesota State Community and Technical College will close its Fergus Falls histology and medical lab technician program, relocating the program to the Moorhead campus. Pine Technical College will close the taxidermy program and transfer resources to Vermilion Community College, where the program will be offered for the first time. 	• Minnesota West Community and Technical College will close its wind power program at the Jackson campus and relocate it to the Canby campus.

INSTITUTION	PROJECT	PRIORITY / TOTAL COST	LOCATION
Systemwide	Land acquisition	15 \$2,000,000	

Project at a Glance:

- Acquisition of land adjacent to existing campuses
- Land acquisition conforming to individual campus master plans

Possible acquisition projects include Pine Technical College, for acquisition of an existing building at a discounted price; Ridgewater College, for acquiring adjacent land; Winona State University, Metropolitan State University and other colleges and universities, for opportunities to acquire land from willing sellers.

Community Impact:

To be good stewards for the state, the colleges and universities wish to take advantage of opportunities to purchase land for immediate development and future expansion. It is important not to lose the opportunity to acquire needed property at the lowest possible price.



Pine Technical College has an opportunity to add to its campus by purchasing a building at the city's busiest intersection, just across the street from the existing campus.

Information technology and

renovation

telecommunications

PRIORITY / TOTAL COST

\$6,800,000

LOCATION

Dakota County Technical College

Rosemount

Project at a Glance:

- Remodel 45,426 square feet of existing space
- Design was funded in 2003
- Improves the library and integrates academic support functions
- Improves telecommunications degree program
- Adds a science laboratory to support nursing, allied health and general science education
- Includes \$2.5 million for deferred maintenance projects

Community Impact:

The information technology and telecommunications center of excellence at Dakota County Technical College has developed strong industry partnerships to meet the workforce development needs of a highwage high-technology industry in the Twin Cities metropolitan area. Regional businesses have contributed \$200,000 in external funding to match this requested state appropriation to provide the most up-to-date equipment for the project. The college trains workers who lay fiber optic and broadband cables for large telecommunications companies.

This project also will improve and expand the undersized library so that it can offer the type of academic support required for a college specializing in high-technology fields. The existing library is 3,118 square feet and, according to national college library standards, should be 11,800 square feet.

The expanded and improved library also will serve as a backbone for integrating the distribution of video, voice and data capabilities throughout the classrooms in the building to support faculty and student use of multi-media and Webenhanced instruction.

The Academic Support Center, which provides tutoring, special needs assistance, TRIO Student Support Services, will be integrated into the library, better accommodating individual learning needs. **Book space insufficient**



The college library holds less than half of the recommended 40,000 books to meet student information needs in one-third the recommended space.



A student at Dakota County Technical College in the telecommunications program works on a project in the lab.



Instructional

technology and

fine arts addition

LOCATION

Minnesota State Community & Technical College

Fergus Falls

Project at a Glance:

- Construct 28,750 square feet for fine arts, technology and student services addition
- Remodel 5,705 square feet for classrooms and interactive television classroom
- Design was funded in 2003
- Connects campus buildings and consolidates programs for improved efficiencies
- Relocates athletic practice fields and expands parking

Community Impact:

Minnesota State Community and Technical College focuses on providing general education for associate degrees and transfer. The college has a retention rate of 77 percent, compared to a 63 percent average for all twoyear colleges in the Minnesota State Colleges and Universities System. Eighty percent of students at the Fergus Falls campus continue their higher education by transferring to four-year universities.

Facility enhancements will support the college's student focus:

- The student service center will co-locate and combine customized training and credit student services, making registration processes easier to understand.
- Student enrollment and student services have grown since the College Center

was last expanded in 1991. The counseling office has doubled contact hours. New student services include the Center for Students with Disabilities, Center for Academic Success, Writing Center and Minority Student Center. Enrollment of students of color at Fergus Falls has grown 190 percent since 1993.

- Music has outgrown its space. Student participation has doubled in the past five years.
- Course content can be matched to delivery alternatives with technology to offer multiple learning styles.
- Basic technology-equipped classrooms will evolve into media-rich active and flexible environments supporting student mastery of their subjects.

During fiscal year 2003, with external funding support, the college completed three wireless "smart classrooms." Twenty faculty members representing all disciplines were trained to produce Web-supported materials and direct Web-enhanced curriculum and courses in English, business, fine arts, psychology, science and nursing.







Traditional classrooms will be remodeled with instructional technology as part of the proposed project.



Minnesota State Community & Technical College

Sciences and trades addition

PROJECT







High demand for health care providers has increased interest in these programs. Classroom and lab space is limited, and waiting lists continue to grow.

The region's construction industry and the constructionrelated programs at the college are growing. A new 7,250-square-foot applied lab for the construction trades will be added on the east wing. This addition will relocate the popular construction electricity program and the refrigeration program, which are currently in temporary space. A small 750-square-foot addition will connect the relocated chef training program.



Moorhead

Project at a Glance:

- Construct 19,250-squarefoot addition for allied health and construction trades
- Remodel 11,365 square feet for student services and physical plant
- Design funded in 2003
- Portion of one temporary building demolished
- Addresses significant enrollment growth and deficit of space for teaching laboratories

Community Impact:

The campus' student enrollment is growing at a faster rate than projected by the system's space utilization study, which supports the need for increased space in each of the facility categories measured. The campus has enrollment growth potential because of its population base, but currently the growth is restricted by the lack of facilities.

The growing allied health disciplines at the Moorhead campus will be expanded by 11,250 square feet to add two new general purpose science labs, one computer lab, two large lecture classrooms, faculty offices and storage. These science labs will not only assist the allied health programs, but also will be used by many of the other technical trade programs at the college.

Bemidji State University & Northwest Technical College

Bridgeman Hall renovation, health addition





Bemidji

Project at a Glance:

- Remodel 33,669 square feet of Bridgeman Hall at Bemidji State University
- Supports industrial emerging technology degree programs
- Construct 11,150-squarefoot addition at Northwest Technical College
- Supports growing nursing and allied health care workforce training, including career laddering
- Phase 2 design was funded in 2003
- Removes \$1.45 million in deferred maintenance
- Bemidji State University and Northwest Technical College are aligned under one president

Community Impact:

The Center for Advanced and Emerging Technologies on the Bemidji State University campus and the Center for Allied Health on the Northwest Technical College campus in Bemidji are enrollment "drivers" for the partner institutions. The Center for Advanced and Emerging Technologies is in Bridgeman Hall, constructed in 1964 to accommodate the industrial arts program and 150 students. Bridgeman now houses 10 programs and more than 500 declared majors, experiencing an 88 percent enrollment increase since 1998.

Enrollment growth in the programs to be housed in the two centers is expected to be 500 students within four years of completion. Present space dedicated to these programs is nonexistent at Northwest Technical College and is inadequate and unsafe at Bemidji State University. The centers will teach relevant skills for jobs in employment areas where the need is high.

The industrial technology programs of the Center for Advanced and Emerging Technologies will provide seamless transfer for students, allowing sharing of resources and creating an environment for lifelong learning in those professions. Examples of these programs are manufacturing engineering technology and manufacturing management, construction technology and construction management, exhibit fabrication and exhibit design, and model technology and technology management.

Co-location of all allied health programs will allow shared use of space, equipment and faculty.



Northwest Technical College campus

Enrollment grows in industrial technology, nursing



Enrollment at Bemidji State University and Northwest Technical College in these two program areas is strong.



Minnesota State College -Southeast Technical

Winona

Project at a Glance:

- Remodel 31,250 square feet of student services, nursing and Learning Resource Center space at the Winona campus
- Redesign 2,850 square feet of main building entrance
- Design was funded in 2003
- Reallocates underutilized space from cafeteria to needed academic-related spaces
- Eliminates space deficiencies in existing library
- Responds to workforce need for more trained nurses

Community Impact:

The Winona campus of Minnesota State College-Southeast Technical was founded in 1949, when one of the first programs offered was licensed practical nursing. Currently the LPN program is the largest program at the college, providing 100 percent placement for graduates over the last five years. Eighty-four percent of these graduates are placed in the college's immediate service area. The college has expanded the nursing and health related curriculum within the last biennium by adding degrees in two-year registered nursing and massage therapy.

The college has experienced a three-year growth of more than 34 percent. Student services, nursing and learning resource renovation







Students at Minnesota State College-Southeast Technical have outgrown the Learning Resource Center space because of a three-year enrollment growth of more than 34 percent.

This significant increase has caused pressure on facilities and services offered through the Learning Resource Center and Student Services division housed at the 36-year-old Homer Road campus. The renovation will provide efficient, up-to-date collegiate facilities to deliver the needed support services the student body requires to be successful.



PRIORITY / TOTAL COST

LOCATION

Saint Paul College

Construction trades renovation and additions





Project at a Glance:

- Remodel 94,900 square feet of construction trades applied laboratories
- Construct 8,180-squarefoot ground floor entryway addition
- Provides space for construction trades, which have had an increase of 300 full-year-equivalent enrollment since 1997
- Removes \$1.4 million in deferred maintenance projects and improves overall safety of the learning environment

Community Impact:

St. Paul College has a rich legacy of meeting the training needs of the construction trades since 1910. The college has educated 12,000 students in the construction trades over the past 10 years. Trades programs make up 24 percent of the majors at the college, and graduates have experienced a 92 percent placement rate for the last 20 years.

The college received \$300,000 in each of the last five years in equipment or cash donations from building trades and contractors. The Building Trades Council has expressed concerns that the existing facilities are antiquated and are not meeting the training needs of their industry.

The college has a significant vocational component and offers 22 trade programs and 13 trade apprenticeship programs. The trade programs are housed in the lower level.

Although the programs are comprehensive, the learning process for skilled trades students would be enhanced and safety would be improved by this renovation. The learning environment will be improved with space reorganization, better lighting and improved ventilation for better air quality.

Academic program areas that would be renovated include:

- Construction electricity
- Plumbing technology
- Pipefitting
- Welding
- Sheet metal
- Iron working
- Machine tool



Construction trades programs would benefit from remodeled and additional space in the proposed project. **Enrollment grows**



Full-year-equivalent enrollment has increased by 27 percent since 1991 at St. Paul College.



PRIORITY / TOTAL COST

LOCATION

Minnesota State University, Mankato

New science addition and Trafton Hall renovation design





Project at a Glance:

- Design 70,000-square-foot addition for new science laboratory
- Design remodeling of 80,140 square feet of existing science and engineering laboratories
- Construction request planned for \$30.5 million in 2006 and \$21.2 million in 2008
- Trafton Hall produces 30 percent of total credit hours on the Mankato campus
- Largest amount of deferred maintenance in a single building in the system will be corrected in this project

Community Impact:

The Minnesota State University, Mankato, science and engineering programs provide a significant contribution to regional and state development in high technology. The continued growth of science and engineering programs parallels the long-term regional and statewide business, economic development and employment sectors that serve Minnesota as a high-technology state. This is especially true of the new civil engineering program that was started in 1999. This program received strong financial support from the public and private sectors. In addition, the science programs support the

multifaceted health care industry through the university's medical technology program and various research projects in this area.

The university's studentfaculty research partnership teams in science and engineering provide crucial regional and statewide talent to economic development areas, ranging from health care support to wireless technology to water quality issues to use of alternative fuels. Science and engineering business partnerships have been developed through individual departments or through externally funded centers where faculty and students can focus as teams to work on specific projects. Project funding comes through private business partnerships as well as from granting agencies such as the National Science Foundation, the Environmental Protection Agency, the National Institutes of Health and the Federal Highway Administration.



Out-of-date science laboratories at Minnesota State University, Mankato, would be replaced by the proposed addition and remodeling project.



Stadium Road

Remodeled Space

New Construction

] Existing Space

PRIORITY / TOTAL COST

LOCATION

St. Cloud State University

Brown Hall and Math and Science building renovation design





Project at a Glance:

- Design remodeling of 75,450 square feet of Brown Hall (science building)
- Design renovation of Math and Science building
- Construction funding of \$13.5 million will be requested in 2006
- Helps meet state needs for advanced degree nurses
- Original 1958 and 1972 construction requires renovation to meet current needs

Renovation on areas such as this 1958 science lab will support nursing programs.

Community Impact:

Development of the St. Cloud Health Services Initiative will meet a critical community need for health care professionals and a statewide need for instructors at two-year colleges. Many two-year colleges have capped nursing enrollment because of a lack of advanced degree nurses to serve as instructors. St. Cloud State has started a bachelor's degree program in nursing and is interested in expanding to a master's degree in nursing, but cannot do so because of the space shortage.

In the three years that the program has been in force, the

nursing faculty has attracted private grants for equipment from the Bremer Foundation, the Initiative Foundation and other private sources. In addition, the basic sciences faculty in Brown Hall has attracted research grants from the National Science Foundation, National Institutes of Health and other private sources.

The communication disorders department also will relocate its clinic, classrooms and labs to Brown Hall. The department runs a community clinic for children with communication disorders that provides community-service clinical experience for students.

Nursing enrollment growing



St. Cloud State introduced nursing in the 2001-2002 academic year and needs space to grow.





Rochester Community and Technical College

Health sciences renovation





Project at a Glance:

- Convert 30,550 square feet of vacated Rockenbach Gym and add 9,000 square feet of second floor to create a Health Services Center
- Remodel 13,567 square feet of vacated space into classrooms
- Co-locate nursing programs
- Remodel 7,655 square feet of Heintz Center to add clinical training sites for dental and primary medical care clinics
- Removes \$1.7 million in deferred maintenance projects

Community Impact:

In a city internationally renowned for the Mayo Clinic and health care, this project meets a critical state workforce need for trained nurses and allied health care workers. This co-location project will facilitate the close collaborative relationship between Rochester Community and Technical College and Winona State University at University Center Rochester. The two institutions have an articulated program in nursing in which students complete their initial two years at the technical college and are placed into the third year of the bachelor's degree in nursing program in Winona State University at Rochester.

Co-locating nursing will follow the mission of University Center Rochester by creating opportunities for educational and career laddering in nursing. The vision is to create a Health Sciences Center that will allow students to seamlessly move from nursing assistant to graduate degrees in nursing. Rochester presently offers an array of more than 20 health care majors.

Full-year-equivalent enrollments in health careers at the college have grown 26.3 percent and full-yearequivalent enrollments in the bachelor's degree nursing program at the university have grown 21.4 percent over the last four years.

The project also will remodel Heintz Center to expand the existing community dental clinic that provides affordable dental care to the Rochester community.

In addition, the renovation will create a community primary medical care clinic for the underserved.

Both clinics will provide additional clinical experiences for students in dental, nursing and related programs.

The college will work with an outside agency to manage both clinics. Nursing program enrollment at Rochester



Rochester Community and Technical College and Winona State University had a full-year-equivalent enrollment of 913 in nursing programs in the 2002-2003 academic year.



PRIORITY / TOTAL COST

LOCATION

Minneapolis Community & Technical College

Health and science lab renovations





Project at a Glance:

- Remodel 8,390 square feet of basic science laboratories
- Remodel 28,829 square feet to create a joint health sciences center for both Minneapolis Community and Technical College and Metropolitan State University
- Supports a targeted industry partnership with Twin Cities health care organizations
- The college has had a 45 percent increase in science enrollment in two years
- Removes \$1 million in deferred maintenance projects

Community Impact:

Minneapolis Community and Technical College has targeted industry partnerships with Abbott Northwestern Hospital, Hennepin County Medical Center and Minneapolis Children's Hospital to meet center city nursing and allied health workforce needs. The three partner hospitals reported 450 current vacancies for associate degree registered nurse positions in the fourth quarter of 2002. These employers have pledged \$750,000 in biennial operating support for allied health programs at the college.

The college has seen a 52 percent increase in nursing program applications in the past three years. A partnership between the college and Metropolitan State University will enable students to advance seamlessly through multiple levels of nursing education, from licensed practical nurse to registered nurse programs and to bachelor's and master's degree programs.

Modernization of nursing and science laboratories will

provide access to science and health careers for the diverse population at the college and university. More than half of the college's headcount enrollment meets the definition of "students at risk," but the attrition rate in allied health programs is only 15 percent. The college enrolls 545 full-time students in the sciences, an increase of more than 80 percent between the 1999-2000 academic year and the 2002-2003 academic year.

Growth in nursing applications



The number of students applying to the college's nursing program has increased dramatically since 2001.





Growing demand for nursing education has increased the need for science classrooms and laboratories.

PRIORITY / TOTAL COST

LOCATION

Century College White Bear Lake

New science and library building design





Project at a Glance:

- Design new 74,127-squarefoot building for science labs and classrooms and new library and learning resource center
- Construction funding of \$18.6 million will be requested for a new addition in 2006 and \$5.4 million for remodeling in 2008
- Consolidate separate libraries on the east and west campus, furthering goals of the merger
- Largest full-year-equivalent enrollment increase with largest deficit of classroom laboratory and office spaces at a two-year state college

Community Impact:

Century College produces many paramedics, nurses and other allied health professionals. Students in these programs need to take science lab courses in up-to-date facilities. In addition, the college's new Health Careers Institute, a partnership with several Twin Cities hospitals, is under way and will need space to serve entry-level health career students.

The new two-level building will replace the college's 33year-old science labs with updated science teaching labs. In addition, the new space will replace the college's two outdated libraries with a consolidated, ADA-compliant Learning Resources Center, complete with up-to-date technology. Space vacated by the present libraries will be renovated to accommodate a new Student Center in 2008. Century College currently does not have a student center. Vacated science space will be used for additional general-purpose classrooms.

Century College is one of the largest two-year colleges in the state. Unprecedented enrollment growth has increased space deficiencies. Students cannot gain access to many courses, particularly science courses, because more class sections cannot be added due to space constraints.

The new Learning Resource Center will create a more collegiate atmosphere that supports lifelong learning as well as provides state-of-theart facilities for research and study. The new science classrooms and teaching labs



Century College needs new classroom and science lab space to meet growing demand.

will provide technologically advanced teaching environments that replace obsolete spaces. From fall 1999 to fall 2002, registration

in science courses was up more than 30 percent. Student science enrollment is now capped because of space limitations.

Space deficit at Century becoming critical



Century College has outgrown its space for a rapidly growing enrollment of students.



Science labs renovation

PRIORITY / TOTAL COST

LOCATION

Riverland Community College

Albert Lea, Austin

Project at a Glance:

- Remodel 18,540 square feet of science labs at Austin
- Remodel 4,502 square feet of general classrooms at Austin
- Remodel 4,119 square feet of science labs at Albert Lea
- Supports growing nursing and allied health care career training
- Removes \$982,000 in deferred maintenance projects
- Original 1966 construction requires renovation update

Community Impact:

Although all associate degree and transfer students need courses in physics, chemistry and biology, the greatest demand is from students in allied health majors. Improved learning facilities in the sciences are essential to train new health care workers in the region and to keep incumbent workers up to date in their skills.

The Workforce Center estimates a 43 percent greater need for health care professionals over the next 10 years in the southeast region of the state. In addition to Austin and Albert Lea health care enterprises, which have announced a critical need for nurses and radiography technicians, 180 health care workers board buses each day in Austin to work at the Mayo Clinic in Rochester. Austin hospitals and clinics provide not only practicum clinical experience for students, but also funding in FY2002 to furnish a nursing lab and instructional classroom. Local hospitals match their employees' contributions to the college.

Enrollment at Riverland has increased approximately 115 percent within the last six years. Enrollment in chemistry and biology programs is up even more dramatically, more than 160 percent, and demand is greater than the current facilities can provide.

The science labs at Riverland have not been remodeled since they were built in the late 1960s. Ventilation in all the labs, but particularly chemistry, is inadequate and is a health concern for the faculty and students. Throughout the years, dangerous mixtures of chemicals have seeped into





porous surfaces on countertops, cabinets and floors. Some cabinets and all of the fume hoods have asbestos liners. The hoods inhibit proper instruction because of their inadequate size and number. All of the labs need to be updated to meet ADA requirements, and the labs need to be expanded to provide the minimum National Science Foundation standard of space per student in order to promote safety and better learning.



This Austin campus biology class is cramped for space.





Anoka-Ramsey Community College

Cambridge

Project at a Glance:

- Replace existing metal buildings with 34,200 square feet of classroom addition to main Campus Center building located across County Road 70
- Remodel 3,340 square feet for a science lab and academic support center
- Consolidates entire campus in one efficient location
- Demolish 20-year-old temporary prefabricated metal buildings that surpassed their life expectancy; eliminates health and safety risks associated with current metal buildings

Community Impact:

The proposed project will:

- Enable the college to respond to the area's extensive need for nurses and health care training through expansion of nursing program and facilities. A recent \$27,000 scholarship donation to nursing students from the Memorial Hospital Foundation increases these opportunities.
- Increase educational opportunities for the region. Projected population growth for Chisago and Isanti counties is 28 percent by 2020; the counties include a higherthan-average population of

Academic building addition and metal building demolition

first-generation college

percent of the counties'

population is living under

the poverty level, compared

with 4.2 percent in the Twin

students; more than 5

Cities metro area.



• Support the growing student population on the Cambridge campus; headcount enrollment increased by 9.7 percent in the past year, from 1,491 students in fall 2002 to 1,635 in fall 2003.



- Increase technological access and services for students and staff.
- Re-allocation of deferred maintenance dollars will strengthen programs and services.



The existing pole-constructed metal buildings at the Cambridge campus would be demolished in the proposed project. These buildings were constructed more than 20 years ago. The demolition will result in a savings of maintenance expenditures.



Fond du Lac Tribal & Community College

Cloquet

Project at a Glance:

- Design 12,400-squarefoot library addition for use as a Learning Resource Center
- Construction request of \$9.8 million will be made in 2006
- Includes archive for Minnesota Native American collections
- Design 22,300 square feet for Lester Jack Briggs Cultural Center
- Campus has no multipurpose or gymnasium space for academics or cultural events

New library and cultural center design





Community Impact:

This project will allow an expansion of career and job fairs that affect greater numbers of local high school and college students, and an expanded health fair working with area hospitals, clinics, nursing homes and government agencies. Curriculum offerings in the Cultural Center will benefit the local and national tribal community with programs such as law enforcement skills, specializing in tribal issues; fitness programs for elders; Woodland Wisdom

program to combat diabetes and other health problems through physical activities; pre-kindergarten to grade 12 programs with a Cultural Immersion Campus; Expanding the Circle Camp; St. Louis Rivers Watch; and science fair gatherings. New space will make possible drum classes, American Indian hand games and dance instruction.

A primary goal is to create a higher education facility that is sensitive and expressive of its Native American cultural nature. The new library addition and the Lester Jack Briggs Cultural Center will reinforce master plans and the original spiritual design concept of the thunderbird. The library expansion will be to the north of the existing building and the cultural center to the south.



Enrollment climbs at Fond du Lac



Since the founding of Fond du Lac Tribal and Community College, enrollment has grown more than tenfold.

Minnesota State University Moorhead

MacLean Hall renovation design





Project at a Glance:

- Design remodeling of 83,000 square feet of MacLean Hall
- Construction request of \$8.5 million will be made in 2006
- Tuck pointing of west wall of Flora Frick Hall attached to MacLean
- Provide space for kindergarten to grade
 12 teacher training to meet new Board of Teaching standards
- Provide space for department and faculty offices for seven departments

Community Impact:

Service learning connects the campus with the community. The renovation will have spaces dedicated to links with the community such as office space for the Center for Economic Education, as well as conference and seminar rooms for public lectures, presentations and meetings.

MacLean Hall, constructed in 1932, must be renovated to meet the needs of the campus' students, faculty and staff. The building houses seven academic departments: mathematics, mass communications, economics, history, political science, foreign languages, and humanities and multicultural studies. MacLean is home to 91 faculty offices, 26 classrooms,



MacLean Hall, which is more than 70 years old, needs renovation.

the Women's Center, custodial services, central stores and the bookstore.

Over the years, the building has had several minor revisions designed to respond to the growing need for departmental and faculty offices. Currently, the facility suffers from inefficient utilization of space, building code violations, inadequate air quality and an inability to accommodate current instructional needs.



PRIORITY / TOTAL COST

Central Lakes College

Brainerd, Staples

Heavy equipment and music additions





Project at a Glance:

- Construct 29,690 square feet of heavy equipment program shop space at Staples
- Remodel 7,000 square feet of vacated shop space at Staples
- Addresses industry need for 300 trained heavy equipment operators per year
- Construct 4,370 square foot addition for music at Brainerd
- Remodel 845 square feet for music at Brainerd

Community Impact:

Heavy equipment is a high-demand, high-wage occupation that faces worker shortages. Central Lakes College graduates 46 students per year in the program, but 225 heavy equipment operators in Minnesota and the Dakotas retire each year, contributing to the need for new employees, according to the 49ers Operating Engineers Union. Industry support for Central Lakes' program is evidenced by donations totaling \$109,000 over the past three years.

The heavy equipment program keeps waiting lists for enrollment because of space constraints. It is a one-of-a-kind program in the Upper Midwest and held in high regard by employers. The heavy equipment industry is seeing a change to more technology in its equipment. This project will include flexibility to allow for more and varied technology in the shop area.

The music program at Brainerd has seen a



55 percent enrollment increase in the past five years. The music facilities were not designed to accommodate the larger-than-anticipated enrollments.





Staples campus main

PRIORITY / TOTAL COST

LOCATION

Northland Community & Technical College

Thief River Falls

Project at a Glance:

- Relocate workforce center with 4,850-square-foot addition and remodel 646 square feet
- Expand nursing and allied health program and remodel 3,200 square feet
- Remodel 2,866 square feet for Agriculture Management Center

Community Impact:

The Minnesota Department of Employment and Economic Development has been negotiating with Northland for several years to better meet its workforce center location requirements; specifically, better visibility and dedicated client parking. The Thief River Falls Workforce Center on the Northland Community and Technical College campus serves 10,000 clients per year from a seven-county area and expects a 20 percent increase as a result of the requested capital improvements.

In 2002, Northland was a state leader in preparing licensed and registered nurses for Minnesota, according to statistics from the State Board of Nursing. Together with Bemidji State University, the institutions offer an articulated program in nursing that allows students to transition from a nursing assistant to a baccalaureate Workforce addition and nursing renovation





degree in nursing. With its The satellite programs, Northland's is registered nursing program ad supplies nurses to a region acc 180 miles in diameter. The remodeling will allow the college to expand nursing enrollment by 25 percent.

Northland's Farm and Business Management program serves approximately 950 students annually with a 243 full-yearequivalent enrollment. The college serves as the regional office and analysis center for all management programs. Twenty faculty members serve students enrolled from 15 counties in northwest Minnesota. The program provides state-of-the-art management education for its students, has a history of strong growth and enrollment, and has a strong relationship with business and industry.

The Management Center also is occupied by faculty in the administrative support, math, accounting, marketing and Northwest Regional Law Enforcement Training programs.



Northland Community and Technical College supplies nursing graduates to a region 180 miles in diameter.



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By the numbers

Number of Minnesota State Colleges and Universities
Number of campuses53
Number of communities in which campuses are located46
Number of students served per semester, measured by fall 2003 headcount enrollment171,457
Number of students served per year, based on projected full-year-equivalent enrollment, 2003-2004
Number of students served per year in credit-based courses, measured by annual headcount enrollment, 2002-2003
Number of students served per year in non-credit courses, measured by annual headcount enrollment, 2002-2003
Total students served per year, measured by unduplicated headcount enrollment, 2002-2003
Number of full-time and part-time faculty and staff, 200316,575
Average age of students
Percent of students who are undergraduates96.4%
Number of graduates produced each year29,000
Percent of graduates who stay in Minnesota to work or continue their education81.0%
Number of degree programs offered by Minnesota State Colleges and Universities
Percent of Minnesota higher education market served by Minnesota State Colleges and Universities, fall 2003



Minnesota state colleges & universities

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About the cover:



The James W. Miller Learning Resources and Technology Services Center at St. Cloud State University opened in August 2000, after funds for construction were appropriated in the 1996 legislative session. The library has more than 2.8 million items, including more than 667,000 books, 1.3 million state and federal documents, 1,500 maps and 26,500 nonprint items (computer software, compact discs, videotapes, DVDs and films). This view is looking up through the atrium.



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