

**Survey of Collaborative Efforts**

**Minnesota State Colleges and  
Universities**

**University of Minnesota**

**August 2001**

**Office of the Executive Vice President and Provost, University of Minnesota**

**Office of the Senior Vice Chancellor for Academic and Student Affairs  
Minnesota State Colleges and Universities**

## **Executive Summary**

### **Survey of Collaborative Efforts**

## **University of Minnesota and Minnesota State Colleges and Universities**

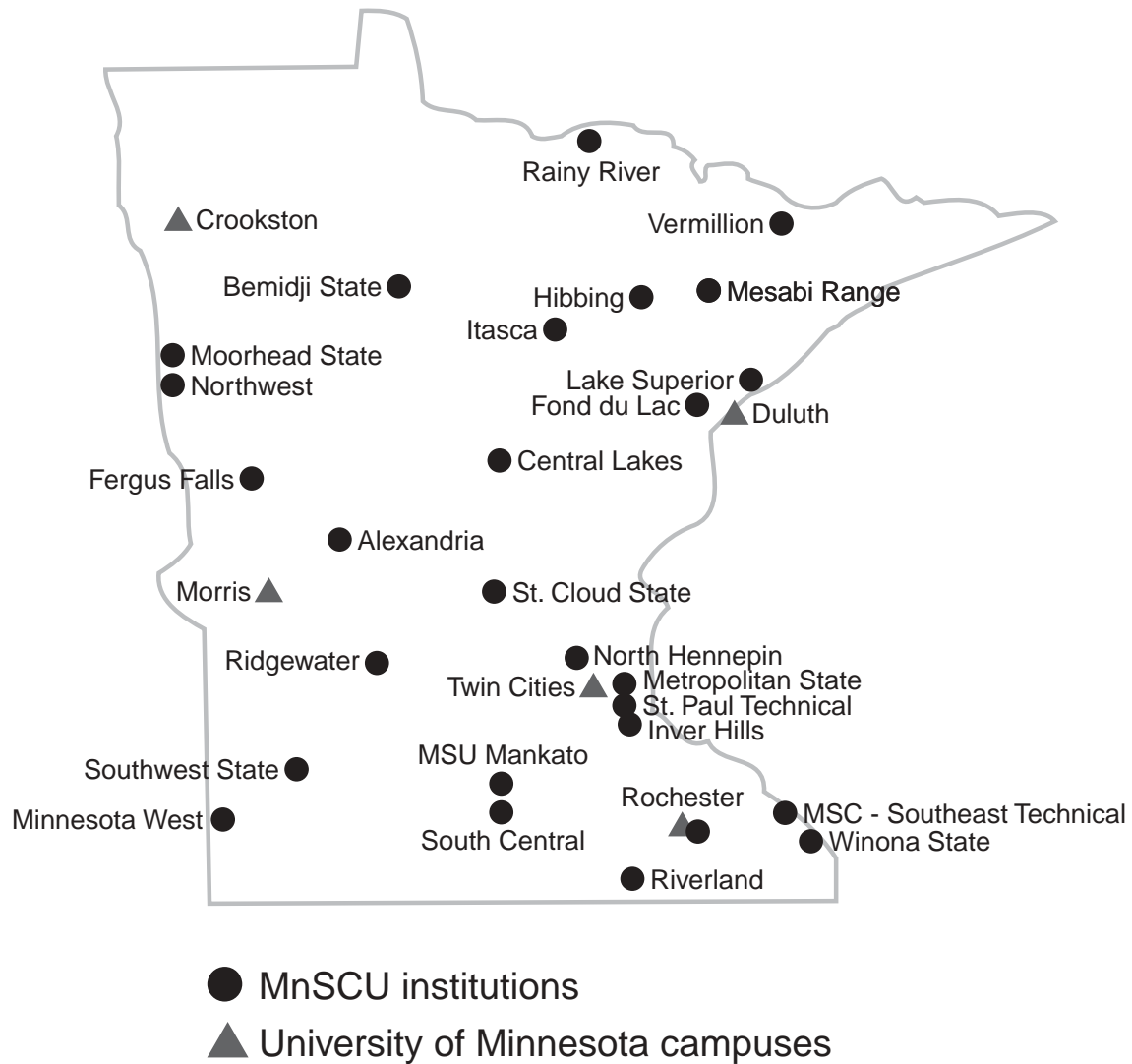
**August 2001**

In 1998, the University of Minnesota (UM) and Minnesota State Colleges and Universities (MnSCU) signed a "Partnership Agreement for Public Higher Education" to enhance the capacity of higher education in Minnesota to leverage and extend resources in areas critical to workforce and economic development to every part of the state. In conjunction with this agreement, a list of 60 partnerships and collaborative activities was compiled. During the past three years, in addition to numerous collaborative activities described below, the number of formal academic collaborations and partnerships has grown to nearly 170 programs implemented or in development. As the map on the next page illustrates, these academic collaborations are flourishing state-wide and in the metropolitan area.

This report, updated annually, summarizes the development of the MnSCU and University of Minnesota partnership agreement, highlights noteworthy new and continuing efforts in 2000-01, and provides a list of the numerous activities that are taking place state-wide. Among the initiatives and programs highlighted in this report are:

- Development of a new inter-system transfer program -- Minnesota Cooperative Admissions Program (MnCAP) -- to facilitate admission to Twin Cities community colleges of students seeking but not immediately gaining admission to the UMTC. Students, completing certain requirements, will be automatically admitted to the UMTC to complete the bachelors' degree.
- UM/MnSCU co-sponsorship and joint planning for a fall 2001 statewide conference, "Workforce Minnesota," on the role of education in developing Minnesota's future workforce.
- New 2+2 programs with Anoka-Hennepin Technical College, Central Lakes College, Fond du Lac Tribal and Community College, Minnesota West Community and Technical College, Northwest Technical College, and South Central Technical College.
- New collaborative programs in agriculture, biological sciences, dentistry, developmental education, education, extension, continuing education, manufacturing, nursing, and social work.
- New Bachelor of Applied Science in Manufacturing Technology offered in Rochester by the University of Minnesota Twin Cities, metro-area community and technical colleges, Rochester Community and Technical College, and Winona State University.
- Cooperation to help provide low costs for study abroad programs.
- Joint powers agreement and continued development of ISEEK Solutions to provide one-stop career information through its Website.
- Expansion of joint library resources through the Digital Library Consortium.

## Locations of MnSCU/University of Minnesota Academic Collaborations



# Survey of Collaborative Efforts

## Minnesota State Colleges and Universities University of Minnesota

August 2001

In 1998, University of Minnesota President Mark G. Yudof and Minnesota State Colleges and Universities Chancellor Morris Anderson signed a “Partnership Agreement for Public Higher Education.” This agreement formalized the commitment to foster cooperation between the two systems, expanding on the earlier vision of the 1993 Twin Cities Higher Education Partnership.

The 1998 agreement included a listing of nearly 60 partnerships and collaborative efforts that the University and MnSCU engaged in state-wide. As this report illustrates, over the past three years the number of collaborative activities in place or in development has increased significantly. The number of formal academic collaborations and partnerships has increased to nearly 170 programs. These activities enhance the capacity of higher education in Minnesota to leverage and extend resources in areas critical to workforce and economic development in every part of the state.

This updated survey is divided into two parts: first, it highlights noteworthy new and continuing programs and, second, it provides a listing of formally approved collaborative academic programs implemented, and those in development.

### I. Policy Background

#### **Partnership Agreement for Public Higher Education**

In January 1998, University of Minnesota President Mark G. Yudof and MnSCU Chancellor Morris Anderson signed an agreement to foster cooperation and innovation between the state’s two public higher education systems. Under this agreement, MnSCU and the University stated their commitment to engage in joint strategic planning, to develop incentives for implementing partnerships and collaborations, and to streamline the processes for approving and implementing cooperative activities.

Expanding on the 1993 Twin Cities Higher Education Partnership, the 1998 agreement acknowledged the mutual goals of the U of M and MnSCU systems to provide access to high-quality educational opportunities for all of

Minnesota’s citizens; to offer post-secondary education opportunities to keep Minnesota citizens competitive in a global economy; and to increase the participation and success in higher education of traditionally under-represented populations. The agreement also established an Inter-System Policy Committee to provide oversight and coordination for joint working groups.

#### **Guidelines for Development of Partnership Degrees**

In May 1998, the University of Minnesota developed guidelines that frame the rationale and principles to guide further development of partnership degree programs in the Twin Cities metropolitan area, criteria to be used in evaluating such programs, and a strategy for identifying future collaborative efforts across the state.

The rationale for these programs recognizes and responds to:

- the growing need for a new type of applied, career-oriented baccalaureate degree program, blending the “how” and “why” of knowledge;
- workforce needs and issues being discussed by businesses and industries concerned about participating in the “knowledge economy;”
- the need to identify creative institutional strategies to use limited state resources effectively and efficiently; and
- the University’s land-grant mission to provide specialized course work that is the foundation for our graduates to pursue leading-edge careers.

Key principles include: consistency with institutional values and mission, balance of liberal education and technical skills, effectiveness and efficiency not available if offered by a single UM campus or by either of the systems alone, flexible and seamless delivery across systems, and faculty responsibility for program. These principles are reflected in the suggested review and evaluation criteria: quality, uniqueness, connectedness, integration, demand, and cost-effectiveness.

### **High School Preparation Requirements**

Since 1991, the University and MnSCU have jointly adopted a unified set of preparation requirements (in English, mathematics, science, social science, second languages) for Minnesota high school students planning to enter baccalaureate programs in either system. Additional requirements in geography and visual or performing arts will be implemented in 2000. And, through the joint Metropolitan Education Strategy Task Force, MnSCU and the University are developing a coordinated approach to precollegiate preparation.

### **Minnesota Transfer Curriculum**

In 1994, MnSCU and the University approved and implemented a comprehensive arrangement for transfer students moving between campuses or systems, called the “Minnesota Transfer Curriculum” (MTC). The two systems have worked together on the effects of the University’s semester conversion on the transfer curriculum, and they are gathering information about the specifics of the MTC on each campus for review by the MTC Oversight Committee. The UM and MnSCU are also involved in a joint web site that provides transfer information for students, [www.MinnesotaTransfer.org](http://www.MinnesotaTransfer.org).

## **II. New and Noteworthy Academic Programs**

### **Improving Access**

#### **Minnesota Cooperative Admissions Program (MnCAP)**

MnCAP, entering its second year, is a partnership between UMTC and Inver Hills Community College, Normandale Community College, North Hennepin Community College, and Minneapolis Community and Technical College, designed to facilitate transfer between the systems. In mid-winter, MnCAP identifies freshman applicants to UMTC who had not been admitted (or were put on a waiting list) to the College of Liberal Arts, General College,

or any other college, and who live in the Twin Cities metropolitan area. UMTC contacts these students, inviting them to consider admission to one of the participating community colleges for lower-division work. If they choose to attend these colleges, and complete course and grade requirements, they will gain immediate admission to UMTC to complete the third and fourth year of a baccalaureate degree program. In 2000-01, the pilot year, a total of 19 students took advantage of this program. For 2001-02, a

total of over 800 students have been notified of this opportunity.

### **Electronic Records**

The Degree Audit Reporting System (DARS) and the Course Access System (CAS), and SPEEDE are all designed to help link student

transcript records across systems. These information technology resources thus facilitate student transfer across systems.

## **Strengthening Academic Programs and Research**

Through many academic collaborations and partnerships, the University of Minnesota and MnSCU enable place-bound students across the state to take advantage of 2+2 degrees, partnership degrees, and other academic resources of our two systems.

### **Agriculture**

The UMTC College of Agricultural, Food, and Environmental Sciences (COAFES) has three majors offered at Southwest State University (SSU), and graduated its first B.S. cohort at SSU in May 2001. These eight students graduated from the Scientific and Technical Communication major (1), the Crop and Soil Resource Management major (5), and the Agricultural Industries and Management major (2).

In addition, COAFES and the Department of Work, Community and Family in the College of Education and Human Development have 2+2 collaborations in Agricultural, Food, and Environmental Education in place, and new ones being developed or expanded for programs with Rochester Community and Technical College, Ridgewater Community College, Central Lakes College, South Central Technical College, MN West community and Technical College, and Fond du-Lac Tribal and Community College.

### **Biological Sciences**

A series of intensive workshop courses in the areas of digital imaging, presentation and database software, Geographic Information Services, bioinformatics, and genomics will be offered for UM and MnSCU faculty at the University's Lake Itasca Forestry and Biology Station. MnSCU institutions involved in this partnership include Bemidji State, Minnesota

State University, Moorhead, and Minnesota State University, St. Cloud.

A second initiative is directed to providing summer courses for K-12 science and math teachers in northwestern Minnesota, offered at the Itasca Station in partnership with Bemidji State, Minnesota State University, Moorhead, and Minnesota State University, St. Cloud. Proposed courses included: ecosystem biology and genomics and bioinformatics.

### **Dentistry**

Plans have been developed to open a rural dental clinic on the Hibbing Community College campus in fall 2001. The School of Dentistry has also completed preliminary plans for a second UM dental clinic in Fergus Falls; southwestern and far northwestern Minnesota are also being evaluated to determine the need for and potential viability of comparable clinics.

### **Developmental Education**

General College and Minneapolis Community Technical College are collaborating on a Curriculum Transformation and Disability program, providing 20 hour programs of faculty development training on classroom accessibility for students with disabilities. Sixteen MCTC faculty are participating in this training.

In addition, the GC Center for Research on Developmental Education has established a

working relationship with faculty and administrators at a number of community and technical colleges, leading to workshops and colloquia on common research interests.

### **Education**

The Fond du Lac Tribal and Community College (FDLTCC) American Indian Teacher Corps Project recruits American Indian students who have the capacity to become quality teachers and administrators and provides a culturally relevant curriculum. FDLTCC provides the first two years of a fully articulated teaching and educational administration program. The University of Minnesota Duluth (UMD) and FDLTCC work together to provide the cultural context. UMD courses taught at FDLTCC comprise the junior and senior curriculum, and UMD is the degree-granting institution. This project, funded in part by a three-year grant from the U.S. Department of Education, was started in fall semester 2000 and currently enrolls 21 students.

Department of Educational Policy and Administration and St. Cloud State University Ed.D. Collaborative Program has enrolled two cohorts to date. It shares administrative and faculty co-directors (individuals from each institution); courses delivered at convenient location for students in central Minnesota (on St. Cloud campus); courses taught by regular faculty at both institutions (some team taught by St. Cloud and UMN faculty, some delivered alone by St. Cloud, some delivered alone by UMN).

Department of Educational Policy and Administration, Minnesota State University-Mankato (MSUM) and Winona State University (WSU) share administrative/faculty co-directors (individuals from each institution); courses delivered at convenient location for students in southern Minnesota (Rochester Center campus); courses taught by regular faculty from each institution (some team taught with MSUM/WSU, some delivered alone by MSUM/WSU/UMN). Counseling and School Personnel Psychology,

### Department of Educational Psychology and Minnesota State University, Mankato

collaborate on a longitudinal study of college aspirations of children in the Mankato and St. Paul elementary schools; to be continued in middle and high schools over 10 years. They are also collaborating on a study on bullying in education and the workplace.

The Leadership Academy is a collaborative effort among WCFE, EdPA, and the College of Education and Human Service Professions at UM Duluth. The Academy's advisory board include considerable representation from MnSCU. The purpose of the Leadership Academy is to prepare leaders for two-year colleges in the state. This is done via an Ed.D. cohort program. In the fall of 2000, the fifth cohort began. Plans are being made to recruit for a sixth cohort that should begin in Summer 2002. Each cohort has consisted of approximately 25 students. Special efforts have been made to recruit participants from Tribal colleges.

The UMTC department of Educational Psychology, University of Minnesota Duluth, Minnesota State University Moorhead, St. Cloud State University, and University of St. Thomas collaborate through a working group of professors and directors of ECSE programs that meets quarterly to design curricula, keep current on state and federal regulations, and plan an annual Summer Institute (offered at St. John's in August).

### **Manufacturing**

A new partnership agreement has been developed between UM Crookston and Northwest Technical College to provide credit-based programming on a corporate site (Marvin Windows and Doors). The program will lead to an AA in Supervisory Leadership or Manufacturing Engineering Technology and, further, to a Bachelor of Manufacturing degree from UM Crookston.

In cooperation with Winona State University, Rochester Community and Technical College, and metro-area community and technical

colleges, UMTC has developed a Bachelor of Applied Science in Manufacturing Technology, to be offered in Rochester beginning in fall 2001. The BAS in Manufacturing Technology is designed to educate students (primarily working adults who have a two-year technical associates degree) in manufacturing technology, processes, and systems and, in addition, enhance their business and communication skills. These skills are needed by manufacturing employers who face increasing challenges to compete in today's global economy of shorter product cycle times, higher quality products, and lower costs.

In addition, UM Crookston, in partnership with Hennepin Technical College - Brooklyn Park, Anoka-Hennepin Technical College, and Dakota County Technical College, is beginning to offer courses in the metropolitan area that will lead to the Bachelor of Manufacturing Degree and a Manufacturing Management Certificate.

### **Nursing**

A state-wide project, the Collaborative Nurse Practitioner project has developed a number of programs since 1993, funded by \$500,000 in state dollars each biennium, which has in turn leveraged extramural support of over \$4,300,000. Schools involved are: College of St. Catherine, College of St. Scholastica, Metropolitan State University, Minnesota State University, Mankato, Winona State University, and the University of Minnesota. Programs include:

The UMTC statewide Nurse Practitioner Education Partnership with HealthPartners fosters collaboration with MnSCU schools and HealthPartners. It is designed to incorporate managed care skills into primary care education for nurse practitioner students. It also provides additional training in the allocation of limited resources, population health, teamwork, and ethical conflicts that can arise in the context of managed.

Partnership for Training, a Robert Wood Johnson Foundation grant, supports

development of web-based and interactive TV courses for nurse practitioner students.

Health Information Access for Rural Nurse Practitioner Students brought together libraries of the six partners to provide on-line access to health science information for rural nurse practitioner students.

Public Health and Psychiatric Mental Health Nursing Outreach teamed WSU and UMTC to deliver the public health and psychiatric/mental health curriculum to nurses in southeastern Minnesota, making it possible for place-bound students to take a significant part of the coursework at Winona.

In addition, \$980,000 will be invested in 2002-03 to establish both satellites of the University's B.S. in Nursing program and the medical technology program at University Center Rochester. The nursing program will be a collaborative effort with the Mayo Clinic and Winona State University. The medical technology program will offer the first two years at MnSCU institutions in Rochester or elsewhere in southeast Minnesota; the final two years of course work and clinical rotations will be offered in Rochester.

### **Social Work**

UMTC's School of Social Work collaborates with Moorhead State University in offering an expansion of the MSW program over interactive television. Previously, the advanced standing MSW program was offered; now we are able to offer the full two-year program for students who have an undergraduate degree in a field other than social work. The program uses Moorhead's ITV classrooms in the Business School; space is donated for the UM on-site coordinator.

In addition, in spring 2001, MnSCU universities in St. Cloud, Winona, Moorhead, Bemidji, and Mankato submitted a proposal to the Minnesota Department of Human Services to receive Title IV-E funds to develop a BSW Consortium in collaboration with the UM School of Social Work. The purpose of the program is to improve undergraduate

education in child welfare which would ultimately improve the lives of children and families in Minnesota. Students would be recruited who would commit to staying in greater Minnesota areas to practice in county social service agencies.

### **Study Abroad**

UMTC's Global Campus, the Metropolitan Alliance, and Moorhead State University have a collaboration that enables Metro Alliance and Moorhead State students to take advantage of reduced rates on a number of study abroad programs.

### **Technical Education**

In collaboration with the MnSCU Licensure Steering Committee, the UM College of Education and Human Development has developed a certificate in Technical Education. The certificate will formally recognize the completion of a series of five courses commonly referred to as the Teacher Education Sequence that is required for Technical College instructors without bachelor's degrees in Vocational-Technical

Education. Courses will be delivered either on the UM Twin Cities campus or at MnSCU locations across the southern half of Minnesota via ITV. Bemidji State University will initiate a parallel certificate to provide a similar program for northern Minnesota. These programs will serve instructors in technical and community colleges, those aspiring to be instructors, and individuals seeking a certificate for workplace advancement.

### **Veterinary Medicine**

Ridgewater College and the UM College of Veterinary Medicine have developed a collaborative agreement for Ridgewater students to participate in one of three ten-week clinical rotations in veterinary technology. In addition, the Veterinary Technology program has an agreement with UM Morris for second-year students to access UMM's outreach station one day per week for several weeks to gain experience with hands-on procedures on livestock.

## **III. Metropolitan and Regional Collaborations and Special Outreach Resources**

### **Metropolitan Education Strategy**

Beginning in spring 1999, the University of Minnesota and MnSCU convened a task force to develop a joint strategy to address the postsecondary preparation and education needs of the Twin Cities metropolitan area. In fall 1999, MnSCU presented its report *Crosstown Connections: Academic Plan for the Twin Cities Metropolitan Area*, to the legislature, laying out a strategic plan to link the 11 MnSCU institutions in the metropolitan area. Key areas of focus include:

- Reaching out to students not traditionally well-served by higher education;
- Improving coordinate services for students already attending MnSCU institutions;
- Eliminating unnecessary duplication of

programs;

- Strengthening the state colleges and universities in the metropolitan area;
- Collaborating with the University and other higher education institutions in the metropolitan area; and
- Meeting the growing demand for educating and upgrading skills of the workforce.

Parallel and complementary to MnSCU's report, in fall 1999, the University developed a working paper, *The University of Minnesota and Metropolitan Education Needs*. This report lays out key goals, new initiatives, and ongoing issues for the University to pursue in collaboration with MnSCU:

- Improving precollegiate programs;

- Providing coordinated and cost-effective access to and success in postsecondary education;
- Minimizing duplication of expensive, specialized postsecondary education programs and resources;
- Improving the use of human and capital resources;
- Expanding application of technology to improve access and coordination of resources and programs.

Joint MnSCU/UM task forces are being charged to develop specific action plans in these high-priority areas:

#### Access – Preparing K-12 Students for Postsecondary Education

- Developing strategies to identify and address precollegiate trends and college preparation needs for underserved populations;
- Improving focus and management of minority encouragement programs and K-12 outreach programs;
- Using ISEEK Solutions as a resource to distribute information about postsecondary education resources and programs;

#### Access – Addressing Transfer and Development Education Needs of College Students

- Completing inter-system development of Minnesota Transfer Curriculum;
- Implementing a “transfer pilot” program with UMTC, Normandale, North Hennepin, and Inver Hills CCs, streamlining transfer process for students seeking admission to the University of Minnesota after completing two years at a community college;
- Completing work on the Degree Audit Reporting System (DARS), the Course Access System (CAS), and SPEEDE to link student transcript records across systems;

#### Shared State and Regional and Resources

- Sharing resources and facilities, like libraries and telecommunication;
- Collaborating on developmental education research and dissemination projects;

- Targeting shared research to issues and areas of greatest need, i.e., underserved student populations, study abroad, faculty development;
- Collaborating to link college training with welfare reform, focusing on new immigrants and long-term welfare recipients;

#### Leadership

- Enhancing inter-system leadership and coordination of approaches to ongoing metropolitan education policy issues;
- Utilizing existing structures to pursue joint initiatives to increase efficiencies;
- Expanding role of proposed inter-system Council on Academic Programs, through summits, consortia, and other collaborative activities;
- Extending joint system consideration of issues and opportunities for collaboration state-wide.

#### **MnSCU and UM College of Continuing Education Collaborations**

The College of Continuing Education is the primary continuing education unit of the University of Minnesota. CCE serves as the University-wide vehicle for developing and delivering unique, applied, career-oriented degree programs. These baccalaureate-level programs, with specific majors within the Bachelor of Applied Sciences (B.A.S.) rubric, are based on a formal partnership agreement with MnSCU described above. They focus on meeting workforce needs and draw on the unique specialized academic strengths of the partner institutions. CCE bears degree-granting responsibility for these programs but collaborates closely with colleges of the University, as well as MnSCU, in developing and evaluating new partnership degree ideas.

Through these collaborations, CCE and MnSCU have developed the following degree programs which enable students to take the first two years of their program at a community college, and to complete the last two years of University of Minnesota coursework on a community college campus. Courses are designed to be highly applicable to

the workplace and many are taught by industry experts. Class schedules are designed to meet the needs of working students.

- B.A.S. in Applied Business, with Inver Hills CC, North Hennepin CC, Rochester Community and Technical College (RCTC) [This degree will be phased out during 2001-02; courses will continue to be offered for use in other programs]
- B.A.S. in Construction Management, with Inver Hills CC and North Hennepin CC
- B.A.S. in Emergency Health Services, with Inver Hills CC and RCTC
- B.A.S. in Information Technology Infrastructure, with North Hennepin CC
- B.A.S. in Manufacturing Technology, with RCTC and WSU
- B.A.S. in Network Administration with Inver Hills CC and RCTC

CCE and MnSCU are currently developing or preparing to offer in new locations a significant number partnership degrees, many reflecting the focus the University and MnSCU have placed on expanding higher education in Rochester:

- B.A.S. in Clinical Laboratory Science with Fergus Falls CC, Alexandria T.C., St. Paul T.C., North Hennepin CC, and Lake Superior College
- B.A.S. in Information Technology Infrastructure, with RCTC
- B.A.S. in Network Administration, with RCTC
- B.A.S. in Respiratory Care with RCTC and the Mayo Clinic

### **Workforce Development**

CCE and MnSCU are also collaborating in non-credit workforce-oriented programming, utilizing MnSCU training facilities to offer CCE technology programs. Inter-system cooperation of this type reduces the need to expand classroom facilities by accessing existing facilities for high-demand programs in more geographically dispersed areas.

In addition, CCE is co-sponsoring a statewide conference, Workforce Minnesota, in Fall

2001 on the role of education in developing Minnesota's future workforce.

### **University of Minnesota Extension Service Collaborations with MnSCU**

The University of Minnesota Extension Service (UMES) collaborates with MnSCU institutions across the state with programs in areas such as agriculture, children and youth, workforce readiness, and strengthening communities. Examples in these areas include:

#### Agriculture

- Crop Research, Agroforestry and Manure Management -- Central Lakes College at Wadena and Wadena County Extension Office.
- Low Input Conversion of CRP Land to a High Profitability Management -- Riverland CC at Spring Valley and Fillmore County Extension Service.
- Farm Business Management -- South Central TC and North Mankato and Blue Earth County Extension Service, identifying new opportunities for cooperation on educational programs related to agriculture.
- Small Fruit Conference -- Northland CTC, Lake Superior College, and St. Louis County Extension, an annual event to disseminate information on pest control, nutrient management, winter injury and managing risk on small fruit farms.
- Prairie Region Dairy Profit Team -- Alexandria TC, Ridgewater CTC, Central Lakes College, Northland CTC, and Wilken County Extension Service, provides dairy diagnostic services to 40 dairy farms in west central Minnesota.
- Winning the Game: Profitable Strategies for Marketing Grain -- Nicollet County Extension Service and six local teaching teams from MnSCU colleges in southcentral Minnesota, pilot program in utilizing seasonal trends and price differences to make marketing decisions.
- "MARL" Minnesota Agriculture and Rural Leadership Program -- Southwest State and Minnesota Agriculture and Rural Leadership Program, a two-year program, new in 2001, to develop skills of

agricultural and rural leaders.

#### Children and Youth, and Health

- Maternal and Child Health, education of at-risk teen mothers -- Dakota County TC and Dakota County Extension, brings nutrition and parenting education to students who are learning English as a second language.
- ServSafe Food Safety Certification Program -- Southeast TC Winona and Houston County Extension, has certified over 300 food service workers in SE Minnesota.
- In development with SSU and area schools -- Native Prairie Curriculum for K-6 students
- Caring for Kids annual conference, with SCTC, for child care providers, educators, and parents.

#### Workforce Readiness

- Telework for Rural Families in NW Minnesota, with MnSCU representatives, helps develop workforce capabilities for rural citizens to work from their homes;
- Fillmore County School-to-Work program with RCTC and Winona Vo-Tech provides education and workforce preparation for all learners, tied to the needs of a competitive workplace (offered in every county).

#### Strengthening Communities and Economic Development

- Winning the Game: Profitable Strategies for Marketing Grain -- Southcentral TC and Nicollet County Extension Office, involved 70 evaluations from farmers listing their pre-harvest marketing intentions.
- The Northwest Telework Partnership -- Northland C&TC, Thief River Falls and Northwest TC, and Polk County Extension Office, to foster employment of people in good-paying jobs with emphasis on utilizing information technology. Includes focus on e-commerce business development, and on telework training.

#### **Higher Education Programs in Rochester**

In early 1999, MnSCU and the University jointly developed a set of principles to guide the strategic expansion of higher education in Rochester. These principles, approved by the Boards of both systems, included the following key points: the University will establish a non-residential branch campus in Rochester, lead by a senior academic officer; the University will assume leadership for upper division and graduate programs; this expansion will depend on continued expansion of partnerships with MnSCU institutions and with the Mayo Clinic and other businesses; program expansion will match community and industry needs and will leverage the University's unique research strengths in allied health, technology, education, social services and professional fields; and technology will be utilized to leverage and extend resources.

The 1999 higher education legislation called for the University, working with MnSCU, WSU, and RCTC, to submit an academic plan for Rochester by January 2000. This report, *Partnerships for the 21<sup>st</sup> Century: Academic Plan for Rochester, Minnesota*, analyzed demographic and enrollment trends and projections and academic needs. The report further proposed a strategic approach to mission differentiation, leadership and governance structure, and described a short- and long-term strategy for the University and MnSCU in Rochester for academic programs and physical plant needs.

Each institution contributes mission-related strengths to multiply the opportunities for students in Rochester.

- Rochester Community and Technical College offers lower division academic programs and technical programs that readily respond to workforce needs.
- These programs are complemented by the upper division liberal education and selected professional programs offered by Winona State University.
- These resources are further augmented by the professional upper division, graduate,

professional degrees, technology-transfer and outreach programs offered by the University of Minnesota.

- An expanded technology center will ensure that the University Center Rochester offers state-of-the-art course delivery to local students as well as serving as a testbed for the use of learning technology to reach students at more distant locations.

In summer 2000, the University appointed a permanent Provost to lead its academic programs in Rochester. Joint academic planning by the University, RCTC, WSU, and the Mayo Clinic is underway (see attached list of current programs and programs under development).

By December 2001, the TelePro project will be completed, positioning UCR as a center for extending education to the Rochester community and beyond through telecommunications. UCR's teaching and learning telecommunications hub will create a community education network that will link businesses, community sites, and K-12 schools to higher education. A new position, Associate Provost of Information Technology and Distributed Learning, has been created to support this effort.

Through collaborative planning and governance, with clearly defined missions, leadership, and responsibilities, the partner institutions are working together to leverage resources, avoid duplication, and build the market to provide higher education programs that match the needs of the greater Rochester community.

### **Information Technology Resources**

#### ISEEK Solutions

In fall 1999, the Minnesota Virtual University (MnVU) and the Internet System for Education and Employment Knowledge (ISEEK) were merged into a single entity, ISEEK Solutions. This system, housed at MnSCU, will be the Internet Web portal for Minnesota citizens seeking access to learning opportunities, job openings, and career information.

ISEEK is a one-stop career information Website where learners can explore career paths and find current job openings in Minnesota. It aims to provide a common catalogue of course information for learners about degree programs, courses, certificate and personal enrichment classes, which will also link to registration sites of member institutions/providers. It will provide a Course Applicability System (CAS) -- student-driven Web access to transfer, articulation, and degree audit information.

The Executive Committee for ISEEK Solutions is broadly representative, including the University of Minnesota; MnSCU; Department of Children, Families, and Learning; Department of Economic Security; Higher Education Services Office; Governor's Workforce Council; Department of Trade and Economic Development; and the Minnesota Private College Council. A joint powers agreement was signed in fall 2000 to guide this inter-agency/institutional partnership.

### **Library Resources**

#### Digital Library Consortium

Recently awarded a planning grant by the Department of Children, Families and Learning, this consortium of libraries at St. Cloud, Winona, Mankato, and UMTC, and MINITEX, will develop plans for greater interlibrary cooperation including creation of a virtual digital library for Minnesota.

#### Information and Referral Service

Libraries at UMTC, UM Duluth, RCTC, WSU, MSU-Mankato, MINITEX, and several public library systems are developing a reference question management software system that will allow for the seamless exchange of reference transactions between cooperative reference partners. UMTC will host the software for the participants in the project.

#### MnLINK

The University of Minnesota and MnSCU Libraries continue their strong support of and leadership for the MnLINK Project, a partnership among academic, public, and K-12

libraries state-wide, with funding responsibility in HESO. The MnLINK Gateway, which “went live” in March 1999, provides access to the library catalogs of the University campuses, MnSCU institutions, state agencies, and Twin Cities and regional public library systems, as well as some private colleges and several K-12 school systems. Users can search the catalogs and a selected set of databases using a common interface. The MnLINK integrated library system will replace current systems used by all these partners.

#### Minnesota Library Access Center

The new Center (Elmer Andersen Library) is a climate-controlled shared depository, opened in 2000, for infrequently used library materials. Minnesota State University Mankato will deposit such materials in the Access Center. The dean/director of libraries at Bemidji SU, MSU Moorhead, St. Cloud SU, and WSU serve on the advisory board of the Access Center.

#### MINITEX Library Information Network

A legislative appropriation supports this network, housed in the University Libraries. This network has leveraged to an extraordinary degree the print-on-paper subscriptions owned by the UMTC libraries. These include access to the 30 American Chemical Society Journals owned by the University Libraries, with full text for MnSCU academic libraries at Bemidji, Mankato, Moorhead, Normandale CC, Southwest State, St. Cloud, and Winona. The UMTC Biomedical Library’s server has been used for three years to provide access to MnSCU libraries with Nursing programs on campus. Now moved to the Internet, these programs have access to 28 full-text nursing journals.

For additional information about these library resources, go to <http://research.lib.umn.edu> or <http://tutorial.lib.umn.edu>.

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## **IV. Collaborative Academic Programs, Approved and in Development**

The listing below is sorted by location of partnership institutions to show the state-wide distribution of MnSCU and U of M collaborations. Program types are defined as follows:

Collaborative Undergraduate Programs (“Collab”) are “2 + 2” agreements between the U of M and MnSCU that allow students in residence at one system’s institutions to apply approved coursework toward completion of degree programs from the other system. Applied Baccalaureate Programs (“Applied”),

developed in partnership with MnSCU community colleges, allow students to build focused U of M baccalaureate programs on approved community college coursework, and to complete the programs on MnSCU campuses.

U of M Graduate/Professional Programs (“Grad/Prof”) in Collaboration with MnSCU allow students to complete U of M graduate and professional programs while resident at MnSCU institutions.

## Joint University of Minnesota/MnSCU Academic Programs

### New and Continuing Programs

*[Programs added in 2000-01 are listed in italics.]*

<u>MnSCU Campus(s)</u>	<u>U of M Campus</u>	<u>Degree</u>	<u>Title</u>	<u>Type</u>
<i>Anoka-Hennepin TC</i>	<i>UMC</i>	<i>BS</i>	<i>Plant Industries Management</i>	<i>Collab</i>
<i>Anoka-Hennepin TC</i>	<i>UMC</i>	<i>BS</i>	<i>Golf Facilities and Turf Systems</i>	<i>Collab</i>
Bemidji SU	UMC	BS	Accounting	Collab
Bemidji SU	UMC	BS	Early Childhood Program Management	Collab
Bemidji SU	UMC	BS	Natural Resources Law Enforcement	Collab
<i>Central Lakes College</i>	<i>UMTC</i>	<i>BS</i>	<i>Agricultural Education</i>	<i>Collab</i>
Fergus Falls CC	UMC	BS	Agribusiness	Collab
Fergus Falls CC	UMTC	BAS	Clinical Lab Science	Applied
Fond du Lac T/CC	UMD	BS	Computer Science	Collab
Fond du Lac T/CC	UMD	BA	Criminology	Collab
<i>Fond du Lac Tribal &amp; CC</i>	<i>UMTC</i>	<i>BS</i>	<i>Environmental Science</i>	<i>Collab</i>
Hibbing CC	UMD	BS	Biochemistry and Molecular Biology	Collab
Hibbing CC	UMD	BS	Biology	Collab
Hibbing CC	UMD	BS	Cell Biology	Collab
Hibbing CC	UMD	BS	Chemical Engineering	Collab
Hibbing CC	UMD	BS	Chemistry	Collab
Hibbing CC	UMD	BS	Computer Science	Collab
Hibbing CC	UMD	BS	Electrical and Computer Engineering	Collab
Hibbing CC	UMD	BS	Geology	Collab
Hibbing CC	UMD	BS	Industrial Engineering	Collab
Hibbing CC	UMD	BS	Mathematics (Applied and Statistics)	Collab
Hibbing CC	UMD	BS	Physics	Collab
Hibbing CC	UMD	BS	Accounting	Collab
Hibbing CC	UMD	BS	Business Administration	Collab
Hibbing CC	UMD	BS	Management Information Systems	Collab
Hibbing CC	UMD	BS	Economics	Collab
Hibbing CC	UMD	BA	Sociology	Collab
Hibbing CC	UMD	BA	History	Collab
Hibbing CC	UMD	BA	Criminology	Collab
Inver Hills CC	UMTC	BAS	Applied Business	Applied
Inver Hills CC	UMTC	BAS	Construction Management	Applied

Inver Hills CC	UMTC	BAS	Emergency Health Services	Applied
Inver Hills CC	UMTC	BAS	Network Administration	Applied
Itasca CC	UMD	BS	Biochemistry and Molecular Biology	Collab
Itasca CC	UMD	BS	Biology	Collab
Itasca CC	UMD	BS	Cell Biology	Collab
Itasca CC	UMD	BS	Chemical Engineering	Collab
Itasca CC	UMD	BS	Chemistry	Collab
Itasca CC	UMD	BS	Computer Science	Collab
Itasca CC	UMD	BS	Electrical and Computer Engineering	Collab
Itasca CC	UMD	BS	Geology	Collab
Itasca CC	UMD	BS	Industrial Engineering	Collab
Itasca CC	UMD	BS	Mathematics (Applied and Statistics)	Collab
Itasca CC	UMD	BS	Physics	Collab
Itasca CC	UMD	BS	Accounting	Collab
Itasca CC	UMD	BS	Business Administration	Collab
Itasca CC	UMD	BS	Management Information Systems	Collab
Itasca CC	UMD	BS	Economics	Collab
Itasca CC	UMTC	BS	Wood and Paper Science	Collab
Lake Superior College	UMD	BS	Computer Science	Collab
Lake Superior College	UMD	BS	Health Education	Collab
Lake Superior College	UMD	BS	Information Systems and Technology	Collab
Lake Superior College	UMD	BS	Accounting	Collab
Mesabi Range CTC	UMD	BS	Biochemistry and Molecular Biology	Collab
Mesabi Range CTC	UMD	BS	Biology	Collab
Mesabi Range CTC	UMD	BS	Cell Biology	Collab
Mesabi Range CTC	UMD	BS	Chemical Engineering	Collab
Mesabi Range CTC	UMD	BS	Chemistry	Collab
Mesabi Range CTC	UMD	BS	Computer Science	Collab
Mesabi Range CTC	UMD	BS	Electrical and Computer Engineering	Collab
Mesabi Range CTC	UMD	BS	Geology	Collab
Mesabi Range CTC	UMD	BS	Industrial Engineering	Collab
Mesabi Range CTC	UMD	BS	Mathematics (Applied and Statistics)	Collab
Mesabi Range CTC	UMD	BS	Physics	Collab
Mesabi Range CTC	UMD	BS	Accounting	Collab
Mesabi Range CTC	UMD	BS	Business Administration	Collab
Mesabi Range CTC	UMD	BS	Management Information Systems	Collab
Mesabi Range CTC	UMD	BS	Economics	Collab
Mesabi Range CTC	UMD	BA	Geography	Collab

Mesabi Range CTC	UMD	BA	Sociology	Collab
Mesabi Range CTC	UMD	BA	History	Collab
Mesabi Range CTC	UMD	BA	Criminology	Collab
Metro State U, Minneapolis CC	UMTC		Preparing Future Faculty	Grad/Prof
<i>Minnesota State University-Mankato; Winona State U</i>	<i>UMTC</i>	<i>Ed.D.</i>	<i>Educational Policy and Administration [delivered at UCR]</i>	<i>Grad/Prof</i>
<i>Minnesota West C TC</i>	<i>UMTC</i>	<i>BS</i>	<i>Agricultural, Food, and Environmental Education</i>	<i>Collab</i>
Moorhead SU	UMM	BS	Global Studies Teaching	Collab
Moorhead SU	UMTC	BS	Technology	Collab
Moorhead SU	UMTC	M	Social Work	Grad/Prof
Moorhead SU, WSU	UMTC	MS	Nursing	Grad/Prof
North Hennepin CC	UMTC	BAS	Applied Business	Applied
North Hennepin CC	UMTC	BAS	Construction Management	Applied
North Hennepin CC	UMTC	BAS	Information Technology Infrastructure	Applied
North Hennepin CC	UMTC	BAS	Network Administration	Applied
<i>North Hennepin CC</i>	<i>UMTC</i>	<i>BS</i>	<i>Wood and Paper Science</i>	<i>Collab</i>
<i>Northland CTC</i>	<i>UMC</i>	<i>BS</i>	<i>Computer Information Systems</i>	<i>Collab</i>
<i>Northwest TC</i>	<i>UMC</i>	<i>--</i>	<i>Credit-based programming on corporate sites</i>	<i>Collab</i>
<i>Northwest TC</i>	<i>UMC</i>	<i>BS</i>	<i>Manufacturing</i>	<i>Collab</i>
Northwest Technical CC	UMC		UMC provides general education courses for associate's degree	Collab
Rainy River CC	UMD	BA	Criminology	Collab
Rainy River CC	UMD	BA	Sociology	Collab
Rainy River CC	UMD	BS	Biochemistry and Molecular Biology	Collab
Rainy River CC	UMD	BS	Biology	Collab
Rainy River CC	UMD	BS	Cell Biology	Collab
Rainy River CC	UMD	BS	Chemical Engineering	Collab
Rainy River CC	UMD	BS	Chemistry	Collab
Rainy River CC	UMD	BS	Computer Science	Collab
Rainy River CC	UMD	BS	Electrical and Computer Engineering	Collab
Rainy River CC	UMD	BS	Geology	Collab
Rainy River CC	UMD	BS	Industrial Engineering	Collab
Rainy River CC	UMD	BS	Mathematics (Applied and Statistics)	Collab
Rainy River CC	UMD	BS	Physics	Collab
Rainy River CC	UMD	BS	Accounting	Collab
Rainy River CC	UMD	BS	Business Administration	Collab
Rainy River CC	UMD	BS	Management Information Systems	Collab
Rainy River CC	UMD	BS	Economics	Collab

Rainy River CC	UMD	BS	Outdoor/Environmental Education	Collab
Rainy River CC	UMTC	BS	Wood and Paper Science	Collab
Ridgewater CC	UMTC	BS	Agricultural Education	Collab
Ridgewater CC	UMC	BS	Animal Industries Management	Collab
Ridgewater CC	UMC	BS	Applied Management	Collab
Ridgewater CC	UMC	BS	Technical Studies	Collab
RCTC	UMTC	BAS	Applied Business	Applied
RCTC	UMTC	BAS	Emergency Health Services	Applied
RCTC	UMTC	BS	Environmental Horticulture	Collab
<i>RCTC, WSU</i>	<i>UMTC</i>	<i>BAS</i>	<i>Manufacturing Technology</i>	<i>Applied</i>
RCTC	UMTC	BS	Scientific and Technical Communication	Collab
SCSU	UMTC	Ed.D.	Educational Policy and Administration	Grad/Prof
<i>South Central TC</i>	<i>UMTC</i>	<i>BS</i>	<i>Agricultural Education</i>	<i>Collab</i>
SSU	UMTC	BS	Agricultural Industries and Marketing -- Agronomy Emphasis	Collab
SSU	UMTC	BS	Crops and Soils Resource Management	Collab
SSU	UMC	BS	Hotel, Restaurant, and Institutional Management (UM degree offered on SSU campus)	
SSU	UMTC	BS	Scientific and Technical Communication	Collab
Vermilion CC	UMD	BS	Biochemistry and Molecular Biology	Collab
Vermilion CC	UMD	BS	Biology	Collab
Vermilion CC	UMD	BS	Cell Biology	Collab
Vermilion CC	UMD	BS	Chemical Engineering	Collab
Vermilion CC	UMD	BS	Chemistry	Collab
Vermilion CC	UMD	BS	Computer Science	Collab
Vermilion CC	UMD	BS	Electrical and Computer Engineering	Collab
Vermilion CC	UMD	BS	Geology	Collab
Vermilion CC	UMD	BS	Industrial Engineering	Collab
Vermilion CC	UMD	BS	Mathematics (Applied and Statistics)	Collab
Vermilion CC	UMD	BS	Physics	Collab
Vermilion CC	UMD	BS	Accounting	Collab
Vermilion CC	UMD	BS	Business Administration	Collab
Vermilion CC	UMD	BS	Management Information Systems	Collab
Vermilion CC	UMD	BS	Economics	Collab
Vermilion CC	UMD	BA	History	Collab
Vermilion CC	UMD	BA	Criminology	Collab
WSU, RCTC	UMTC	BA	English	Collab

## Programs in Development

<u>MnSCU Campus(es)</u>	<u>UM Campus</u>	<u>Degree</u>	<u>Title</u>	<u>Type</u>
Alexandria TC	UMTC	BAS	Clinical Lab Science	Applied
Anoka-Hennepin TC	UMC	BS	Manufacturing	Collab
Bemidji SU	UMTC	BS	Technology	Collab
Central Lakes CC	UMTC	BS	Agricultural Education	Collab
Central Lakes CC	UMTC	BS	Environmental Horticulture	Collab
Central Lakes CC	UMTC	---	Regional Partnership for Agroforestry	Collab
Fergus Falls CC	UMTC	BS	Agricultural Business	Collab
Fergus Falls CC	UMTC	BS	Agricultural Industries and Marketing	Collab
Fergus Falls CC	UMTC	BAS	Clinical Lab Science	Applied
Fergus Falls CC	UMTC	BS	Agricultural Education	Collab
Hennepin TC	UMC	BS	Manufacturing	Collab
Lake Superior College	UMTC	BAS	Clinical Lab Science	Applied
Mayo Clinic	UMTC	Ph.D.	Applied Doctorate in Clinical Audiology	Grad/Prof
Mayo Clinic	UMTC	Ph.D.	Communication Disorders	Grad/Prof
Mayo Clinic	UMTC	MS	Public Health	Grad/Prof
MSU-Mankato	UMTC	BS	Scientific and Technical Communication	Collab
North Hennepin CC	UMTC	BAS	Clinical Lab Science	Applied
Ridgewater CC	UMTC	BS	Food Science	Collab
Ridgewater CC	UMTC	---	Veterinary Technician Clinical Rotation	Collab
Mayo Clinic, Fairview- University Medical Center	UMTC	BAS	Radiation Therapy	Applied
RCTC	UMTC	BS	Agricultural Education	Collab
RCTC	UMTC	BAS	Information Technology Infrastructure	Applied
RCTC	UMTC	BS	Wood and Paper Science	Collab
RCTC	UMTC	BAS	Network Administration	Applied
RCTC, Mayo Clinic	UMTC	BAS	Respiratory Care	Applied
St. Cloud SU	UMTC	MS	Nursing	Grad/Prof
St. Paul TC	UMTC	BAS	Clinical Lab Science	Applied
South Central TC	UMTC	BS	Animal Production Systems	Collab
SSU	UMTC	BS	Crops and Soils Management	Collab
SSU	UMTC	BS	Agricultural Business	Collab