

# ***Rochester Higher Education Development Committee***

***Final Update: A Report to Governor Tim Pawlenty***

***November 2007***



UNIVERSITY OF MINNESOTA  
**ROCHESTER**



**Rochester Higher Education Development Committee**  
Rochester, Minnesota

November 19, 2007

The Honorable Tim Pawlenty  
Governor  
130 State Capitol  
75 Rev. Dr. Martin Luther King Jr. Boulevard  
St. Paul, Minnesota 55155

Dear Governor Pawlenty:

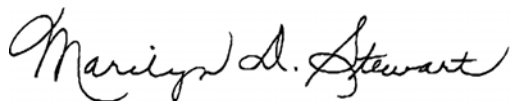
On behalf of the Rochester Higher Education Development Committee, I am pleased to present our final report. While this is the last report from the committee, it is only the first chapter in the development of a world-class University of Minnesota campus in Rochester.

As the report illustrates, much has transpired in the nearly three years since you announced your support for a true university presence in the dynamic Rochester area that would foster growth and opportunity for people throughout the region. The University of Minnesota Rochester is now recognized as one of five University of Minnesota campuses, a chancellor has been named, new programs are being developed and the campus has been moved to the city's center. In addition, the city of Rochester has embraced the development of a downtown campus by dedicating \$11.3 million in sales tax revenue.

On behalf of the Rochester Higher Education Development Committee and the community at large, I thank you for your unwavering commitment to dramatically improve the academic and research opportunities in Rochester. Time will show Minnesotans that this was a critically important investment. While the committee holds its last meeting this month, the individual members of the committee will continue to support the growth of the University of Minnesota Rochester.

We are proud of our community and our work over many years to make this dream a reality for Rochester. We appreciate the opportunity to serve on this committee and in this process. It would not have happened without your commitment and perseverance.

Sincerely,



Marilyn D. Stewart, Chair  
Rochester Higher Education Development Committee

## **Rochester Higher Education Development Committee**

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## **Final Report: A Vision Realized**

In January 2005, Governor Tim Pawlenty announced his commitment to bringing an enhanced university presence in Rochester to more effectively serve the needs of this dynamic region. The city of Rochester had been served by a consortium of institutions hosted primarily by Rochester Community and Technical College for several years. In response to the Governor's proposal, the Minnesota Legislature approved the creation of a committee to study the needs, the potential and possible higher education solutions for Rochester. The 2005 Omnibus Higher Education Act included language and funding for the creation of a committee, whose members were appointed by Governor Pawlenty in July 2005.

The Rochester Higher Education Development Committee studied the issue intensively for six months, and delivered a report to the Legislature and the Governor in January of 2006. The vision recommended by the committee is summarized here:

*“The committee recommends the establishment of a world class higher education institution that leverages the University of Minnesota’s research capability, in partnership with IBM, Mayo Clinic and other industry leaders to build signature academic and research programs that complement southeast Minnesota’s existing leadership roles in health sciences, biosciences, engineering and technology. Education programs will provide application to economic activities via innovation, translational research and clinical experiences. This institution will have a distinct identity and one governing entity. This institution will be the University of Minnesota Rochester.”*

The Governor, Legislature and the Rochester community largely embraced the 50-page report and its recommendations. The Rochester City Council approved \$11.3 million in sales tax dedicated to the development of a downtown campus for a University of Minnesota campus in Rochester.

In 2006, lawmakers approved \$5 million in new annual operating funds for the University of Minnesota to expand its presence in Rochester and develop unique upper division and graduate-level programs in bioscience, health science and technology that are not offered elsewhere in the state. The current campus is designed to serve approximately 1,400 students and that capacity may be reached by 2015. The current campus master planning process will outline a long range plan for the continued expansion of the University of Minnesota Rochester. (*Chapter 282, Article 8, Sections 2, 8, 9, and 10*)

As of the fall 2007 semester, all classrooms and administration for the University of Minnesota Rochester have been moved to the new leased campus facilities in downtown Rochester at 111 South Broadway. The 56,000 square foot space contains labs, offices and classrooms in University Square, which is a former mall in close proximity to Mayo Clinic.

University of Minnesota Rochester administrators are working to develop a highly effective student recruitment, admissions and student services system to will support the planned enrollment growth to 1,400 students by 2015.

Programs are offered in collaboration with the University of Minnesota's other campuses, the Mayo Clinic School of Health Sciences and with partnerships with Winona State University and Rochester Community and Technical College.

Fundraising efforts have yielded 39 scholarships awarded in December 2007. Of these, 15 are from endowed scholarships each created with minimum gifts of \$25,000.

In 2007, two major initiatives have been established to build connections between the University of Minnesota Rochester and organizations throughout the region.

### **Biomedical Informatics and Computational Biology Center**

The University is collaborating with other leading biotechnology and health science institutions in southeastern Minnesota to create a center for biomedical informatics and quantitative and computational studies in the life sciences. The research focus of this center will be quantitative biomedical research. In 2007, a seed grant program was formulated to emphasize collaborative, interdisciplinary research projects.

The academic focus of the center will initially be on a graduate program in biomedical informatics and computational biology. The graduate program will be developed at the University of Minnesota Twin Cities with tracks to provide specialized training in multidisciplinary aspects of biological research at the interface of the biological, physical, and engineering sciences.

The research center and graduate program will provide trained professionals in an area of critical need for the state and will be a catalyst for establishing long-term collaborations among researchers from the University of Minnesota and the participating institutions (currently IBM, Mayo Clinic and the Hormel Institute). To initially recruit top graduate students, the university is providing two-year traineeships for up to ten graduate students in Fall 2007, and ten two-year traineeships per year for either M.S. or Ph.D. students in Fall 2008, 2009, and 2010. Students would be in residence in either in Rochester or the Twin Cities.

### **Academic and Corporate Relations Center**

In July 2006, the University of Minnesota created an office on the Rochester campus to enhance and expand the interactions and collaborations between the University of Minnesota and the business community throughout Minnesota. The office has focused on raising the business community's awareness and access to the research capabilities and facilities at the University of Minnesota Rochester. The center serves as an assigned point of contact to access the university and is a catalyst to increase partnering on sponsored research and commercialized intellectual property. Kent Spaulding was hired as business relations manager in April 2007. He is a board member of the Rochester Downtown Alliance and serves on committees for Rochester Area Economic Development.

## Milestones

Jan 2005	In his State of the State address, Governor Tim Pawlenty declared that the higher education needs of the growing Rochester area were not being adequately met, and committed to developing a stronger presence in Rochester.
May 2005	The Omnibus Higher Education Act passed and signed by the Governor included \$3.2 million to study the higher education needs in Rochester through a citizen committee and develop a plan of action.
Jul 2005	Governor Pawlenty announced the 11 members of the Rochester Higher Education Development Committee.
Jul – Dec 2005	The Rochester Higher Education Development Committee met bi-weekly in Rochester to study, research, interview and hear presentations by higher education providers, employers and city, county and state leaders. Presenters included representatives from IBM, Mayo Clinic, Hormel Institute, the Minnesota State Demographer's Office and student groups.
Jan 2006	Governor Pawlenty received the final report in Rochester from the Rochester Higher Education Development Committee. He publicly declared his enthusiastic support for the report.
Feb 2006	The Rochester Higher Education Development Committee prepared informational materials for use in presentations with the public and the State Legislature. The committee's chair presented its report to the University of Minnesota's Board of Regents.
Mar 2006	The University of Minnesota unanimously accepted the Rochester Higher Education Development Committee's report.
Mar 2006	The Rochester City Council voted unanimously to dedicate \$11.3 million in sales tax revenue for facility planning, land acquisition and construction.
Apr 2006	A comprehensive economic impact study was commissioned by the Rochester Higher Education Development Committee.
May 2006	Lawmakers approved new annual operating funds for the University of Minnesota to expand its presence in Rochester and develop unique upper division and graduate-level programs in bioscience, health science and technology that are not offered elsewhere in the state. (\$5 million for FY 2007 and \$6.3 million in FY 2008)
Jun 2006	University of Minnesota President Robert Bruininks appointed task groups to accelerate the planning for temporary leased facilities, new programs in health sciences and technology, business relations and other areas.
Nov 2006	President Bruininks announced to the Rochester community that the University of Minnesota Rochester would be designated the fifth branch/coordinate campus of the University of Minnesota system.
Jan 2007	A national academic search firm was hired to manage the search for a chancellor for the University of Minnesota Rochester.

- Jul 2007                    Dr. Stephen Lehmkuhle was named the first chancellor for the University of Minnesota Rochester.
  
- Aug 2007                    Five research seed grants awarded in the Biomedical Informatics and Computational Biology areas of study.
  
- Sep 2007                    University of Minnesota Rochester opened for classes in the renovated third and fourth floors at University Square at 111 South Broadway in downtown Rochester.
  
- Sep 2007                    Ten graduate traineeships awarded to students studying in the Biomedical Informatics and Computation Biology program areas.
  
- Oct 2007                    A grand opening dinner at the University of Minnesota Rochester campus was held; guests included President Bruininks, Chancellor Lehmkuhle, University of Minnesota Board of Regents Chair Patricia Simmons and other state and local leaders.
  
- Nov 2007                    The Rochester Higher Education Development Committee held its final meeting.
  
- Nov 2007                    The bookstore and student center opened on the first level of University Square.
  
- Dec 2007                    The first scholarship dinner was held, where 39 scholarships were awarded.

**Note:** The Rochester Higher Education Development Committee was staffed by Susan Heegaard and Cheryl Maplethorpe from the Minnesota Office of Higher Education. The agency served as the fiscal agent for initial legislative appropriation for the committee and its work.

## **First Chancellor Named**

On Monday, July 23, University of Minnesota President, Robert Bruininks announced the appointment of Dr. Stephen Lehmkuhle as the first chancellor of the University of Minnesota Rochester. Dr. Lehmkuhle's appointment to this key leadership position was effective September 7, 2007.

Chancellor Lehmkuhle came to the University from the University of Missouri system, where he served as vice president for academic affairs from 1998 until he was promoted to his current position as senior vice president for academic affairs in 2004. In 2005, he also served for eight months as the interim chancellor at the University of Missouri-Kansas City until the permanent chancellor was in place. Dr. Lehmkuhle earned his Ph.D. in experimental psychology at Vanderbilt University in Nashville, Tennessee, and earned his undergraduate degree at Wright State University in Dayton, Ohio.

As the Rochester chancellor, Lehmkuhle is responsible for the academic, executive and administrative leadership of the campus; for facilitating, coordinating and supporting the work of the faculty, students, and staff and for representing Rochester within the University and with the community, state, region, legislature and public and private sectors.

### **Academic Appointments**

- Professor, University of Missouri-St. Louis, 1994-present.
- Associate Professor, University of Missouri-St. Louis, 1985-1994
- Assistant Professor of Psychology, Brown University, 1979-1985
- Postdoctoral fellowship, Department of Anatomy, University of Virginia 1977-1979

### **Administrative Appointments**

- Senior Vice President for Academic Affairs, Office of the Vice President for Academic Affairs, University of Missouri System, 2004-present
- Interim Chancellor, University of Missouri – Kansas City, 2005
- Vice President for Academic Affairs, Office of the Vice President for Academic Affairs, University of Missouri System, 1998-2004
- Acting Vice President for Academic Affairs, Office of the Vice President for Academic Affairs, University of Missouri System, 1996-1998
- Faculty Fellow, Office of the Vice President for Academic Affairs, University of Missouri System 1996

## Academic Programs Offered in Rochester

### Bachelor's Degrees

#### **Bachelor of Applied Science in information Technology Infrastructure:**

Students with two-year computer science-related degrees can continue their education by completing the University of Minnesota's Bachelor of Applied Science program with a major in Information Technology Infrastructure. This degree is designed to give students a hands-on approach in the classroom, focusing not only on theory, but also its applied use in the workplace. More of the required courses are related to specific skills and fewer general liberal education credits are needed to meet the 120 credit degree requirements.

**Bachelor of Applied Science in Manufacturing Technology:** Students working in the manufacturing industry can continue their education by completing the University of Minnesota Bachelor of Applied Science program with a major in Manufacturing Technology. This degree is designed to provide the background education employers look for in hiring and promotion. Therefore, this program is for students working in or planning to enter careers in manufacturing. Students learn new skills in the areas of manufacturing systems and processes, computer technology, quality, operations, project management, business and finance, and interpersonal skills including communications, leadership, teamwork, and diversity.

**Bachelor of Science in Nursing:** The four-year Bachelor of Science in nursing program consists of one year of prerequisite courses and a three-year nursing sequence. Students in this full-time program are admitted to the School of Nursing after completing the prerequisites. The program has a full-time, day school curriculum. Graduates are eligible to take the registered nurse licensure examination and be certified as public health nurses. Nursing courses at both the Twin Cities and Rochester campuses include advanced use of the Internet and interactive television and other technology-enhanced delivery methods.

**Bachelor of Science in Clinical Laboratory Sciences (Medical Technology) (Planned for fall 2008):** Graduates of the program will conduct, analyze, and report laboratory tests critical to diagnosis and clinical decision making in the health care industry. Students will learn procedures in hematology, microbiology, immunology, and chemistry.

#### **Bachelor of Fine Arts in Studio Art, Emphasis in Digital Art and Photography:**

Studio art majors will graduate with experience across a substantial number of studio disciplines and develop a strong creative direction of their choosing. Digital art students use electronic arts either as a primary creative mode or as adjunct to other art processes. Student work may include still and moving images, sound, web-based and interactive projects. The study of photography will include both silver-based and digital techniques. Art history and seminar courses anchor this program. Students will create, produce, install, promote and present a collection of their original work.

**Bachelor of Fine Arts in Graphic Design:** Graphic design combines fine and commercial art, communications, information, architecture, environments, interaction, sound and motion. It is print and screen-based, real and virtual, two-, three-, and four-dimensional. Graphic design involves type and language, abstract and figurative imagery, concept, technology and craft, performed in both print and electronic media, within commercial, artistic, and academic contexts.

## Master's Degrees

### **Master of Science in Biomedical Informatics and Computational Biology**

**(Planned for fall 2008):** This graduate program will offer specialized tracks to provide training in multidisciplinary aspects of biological research at the interface of the biological, physical and engineering sciences. It will provide trained professionals in an area of critical need for the state and will be a catalyst for establishing long-term collaborations among researchers.

**Master of Occupational Therapy:** Graduates of the program will join other occupational therapists in the health care workforce to provide rehabilitation services to patients with chronic illnesses, injuries or developmental disorders. Occupational therapists focus on addressing the functional limitations and disabilities that interfere with a person's ability to perform activities vital to the quality of everyday life.

**Master of Business Administration:** This program is one of only three AACSB International accredited MBA programs in Minnesota. This program has an executive-style format and is designed to meet the needs of working professionals. Participants in the program earn a University of Minnesota graduate degree. This program is delivered at the University of Minnesota Rochester by the University of Minnesota Duluth Leibowitz School of Business and Economics.

**Master of Science in Computer Science:** This program is designed for students interested in pursuing research and study with faculty on topics such as theory of computation and algorithms, numerical algorithms, parallel and distributed computing, languages and compilers, operating systems, databases, graphics and visualization, human-computer interaction, data mining, artificial intelligence, vision and robotics, computer architecture and networks, computer-aided design, software engineering, distributed systems, information sciences and computer security. In addition, students may choose a course of study that combines a portion of one of these major areas with an entirely different field.

**Master of Science in Electrical Engineering:** This program is designed for students interested in pursuing a degree that covers nearly all aspects of modern electrical and computer engineering, ranging from the very theoretical system and information theory to highly experimental work in novel device research and microelectronics. Emphases in the major are solid state and physical electronics, surface physics, thin films, quantum electronics, plasma physics, automation, power systems and power electronics theory, communication systems and theory, optics, lasers, fiber optics, magnetism, semiconductor properties and devices, network theory, signal and image processing, and computer and system engineering. Interdisciplinary work is also available in bioelectrical sciences, control sciences, computer sciences, solar energy, applications of systems theory to urban transportation and economics and biological modeling.

**Master of Healthcare Administration:** This program is delivered by the School of Public Health, which is ranked second in the United States, and is designed for individuals working in healthcare who need the educational foundation required for career growth in health services management, delivery and consulting. It is delivered in executive format with select technology-assisted and seminar offerings.

**Master of Public Health/Medicine:** This program leads to a dual MD/MPH degree. The program allows current medical students to combine their medical studies with a public health degree that will increase their understanding of population-based science and the cultural and environmental factors that affect patients. The curriculum focuses on acquiring and developing public health knowledge and skills to better understand, assess and manage population health in public health, health care and human service settings.

**Master of Public Health – Executive Public Health Practice:** The Executive Program in Public Health Practice offers a Master of Public Health degree for working professionals who wish to expand their knowledge of public health and apply the knowledge to their current practice. The program focuses on acquiring and developing public health knowledge and skills to better understand, assess and manage population health in public health, health care and human service settings. The major serves working health and human service professionals with completed advanced degrees.

**Master of Arts in Adult Education:** Adult educators instruct adults in new subjects and help to develop and advance skills adults already have. They teach a wide variety of subjects—reading, English as a second language, computer use, foreign languages, international studies, writing and art. Adult educators work in settings where adults seek further knowledge and life enrichment opportunities such as community schools, recreational settings or county and state programs. (The Master of Education in Adult Education is also offered.)

**Master of Arts in Human Resource Development:** Human resource development is a process of developing human expertise through organization development and personnel training and development. A career in this field can lead to specialization in areas such as employee training, benefits management or job evaluation—or a career may demand a wide range of abilities and responsibilities. Human resource development job titles can include: human resource managers; training and development specialists; employment, recruitment and placement specialists; compensation; benefits and job analysis specialists; and industrial and labor relations supervisors. (The Master of Education in Human Resource Development is also offered.)

**Master of Science in Social Work:** The Master of Social Work program prepares professionals to enter advanced social work practice and to practice in a manner that helps individuals, groups and communities enhance or restore social functioning and create social conditions favorable to this goal. The curriculum emphasizes social justice, the value of human diversity and empowerment of oppressed people, and stresses practice that focuses on client strengths and problem-solving capacities to foster change at multiple levels.

## Doctoral Degrees

### **Doctor of Biomedical Informatics and Computational Biology (Ph.D.)**

**(Planned for fall 2008):** This graduate program will offer specialized tracks and research beyond the master's degree to provide training in multidisciplinary aspects of biological research at the interface of the biological, physical and engineering sciences. It will provide trained professionals in an area of critical need for the state and will be a catalyst for establishing long-term collaborations among researchers.

**Doctor of Education in Adult Education (Ed.D. or Ph.D.):** Adult educators are people who believe in the value of lifelong learning. They instruct adults in new subjects and help develop and advance skills adults already have. They teach a wide variety of subjects—reading, English as a second language, computer use, foreign languages, international studies, writing and art. Adult educators work in settings where adults attend to obtain further knowledge and life enrichment opportunities such as community schools, recreational settings, or county and state programs.

**Doctor of Education in Higher Education (Ed.D.):** The Ed.D. is well suited for students who will provide leadership in the operation of educational institutions. The program requires coursework that covers the history of higher education, educational and public policy, as well as organizational structure. Students are encouraged to select elective courses and activities that will broaden their understanding of the national higher education system.

### **Doctor of Education in Human Resource Development (Ed.D. or Ph.D.):**

Human resource development is a process of developing human expertise through organization development and personnel training and development. Work environments include business, nonprofit, educational and governmental settings.

## Expenditures for the Rochester Higher education Development Committee

The Legislature appropriated \$200,000 to the Committee to carry out planning activities and \$3 million for additional planning, development and expenditures related to the academic facilities.

\$200,000 Committee funds

Item	Expenditures
Meeting expenses – room, food, for committee and sub committees	\$3,112.5
Committee Travel	\$924.66
Advertise RFPs	\$115.20
Facilitator contract with Depart. of Admin – Judy Grew	\$5,143.02
Contract Essex & ASSOC – review prior report and present	\$5,000
Contract Essex & ASSOC - write report to Gov and Leg	\$24,950
Contract IMPACT ECONOMICS	\$3,000
Contract IMPACT ECONOMICS	\$1,500
Contract IMPACT ECONOMICS – Analyze UMR economic impact	\$65,000
Joint powers contract University of Minnesota – promote new programs	\$75,000
Office of Higher Education staff expenses	\$2,443.35
Postage	\$362.20
Printing costs	\$11,803.56
<b>Total committee expenditures</b>	<b>\$198,354.49</b>
<b>Funds returned to General fund in August 2007</b>	<b>\$1,645.51</b>

\$3 million program development

Item	Expenditures
Contract with UM for Tech Transfer Office: end 7-1-07 - \$350,000	\$350,000
Contract with UM for program development: end 1-1-08 - \$2,650,000	\$1,844,929
<b>Expenditures</b>	<b>\$2,194,929</b>
<b>Funds remaining</b>	<b>\$805,071</b>

September 21, 2007  
Minnesota Office of Higher Education