

Update on Undergraduate Initiatives

**Board of Regents
Educational Planning and Policy Committee
December 11, 2008**



UNIVERSITY OF MINNESOTA

Driven to DiscoverSM

- 1. The University is on an upward trajectory in undergraduate education, a trajectory that has been enhanced by strategic positioning initiatives.
- 2. The overall goal is to “recruit, educate, challenge and graduate outstanding students.”
- 3. Increasingly, we are using some basic metrics to measure all aspects of undergraduate education.



UNIVERSITY OF MINNESOTA

Driven to DiscoverSM

Outline

Undergraduate Education Goals
Retention and Graduation
Enrollment
First-Year Programs
University Honors Program
Academic Support
Undergraduate Research
SMART Learning Commons
Access to Success
Curriculum



UNIVERSITY OF MINNESOTA
Driven to DiscoverSM

Undergraduate Education: Goals

Continuing, long-term goals, aligned with the University's *strategic positioning*:

- **EXCEPTIONAL STUDENTS:** Raising the academic profile of undergraduate students admitted to the University (Admissions)
- **OUTSTANDING EDUCATION:** Providing a world-class educational experience for undergraduate students, in the context of a comprehensive research university (Curriculum)
- **TIMELY SUCCESS:** Improving the four-year graduation rate for undergraduate students (Student Support and Advising)



UNIVERSITY OF MINNESOTA

Driven to DiscoverSM

Undergraduate Education: Progress toward Goals

- **EXCEPTIONAL STUDENTS**

- Fall 2008 freshman: 83.1% in top 25% of HS class (compared to 33.1% fall 2003); average ACT 26.2 (24.8 fall 2003)
- 611 are enrolled in the University Honors Program fall 2008, with average ACT of 31 and average HS rank of 96.5%
- Increased the number of international student freshmen from 154 fall 2007 to 279 fall 2008 with the assistance of the Office of International Programs

- **OUTSTANDING EDUCATION**

- Implemented successful Welcome Week program for over 5000 new freshman
- Began Peer-Assisted Learning in SMART Learning Commons; SMART now in expanded locations
- Began Writing-Enriched Curriculum in 11 pilot departments
- Began review of all Liberal Education courses in light of new Liberal Education Requirements
- Increased the number of UROP awards from 495 in 2004-05 to 653 in 2008-09

- **TIMELY SUCCESS**

- First-year retention of 88.5% for fall 2007 cohort (up from 85.8% for fall 2002 cohort)
- Over the past five years, improved the overall 4-year, 5-year, and 6-year graduation rates



Office of Undergraduate Education

Undergraduate Admissions

- Freshman Admissions
- Transfer Admissions
- Freshman Scholarships
- Residency and Reciprocity

Academic Support Resources (ASR)

- Office of the Registrar
- One Stop Student Services
- Office of Student Finance
- Financial Aid, Billing, Collections
- Office of Classroom Management

First-Year Programs

- Orientation
- Welcome Week
- Freshman Seminars

Special Programs

- Access to Success
- Bridge to Academic Excellence

University Honors Program

- Honors Advising
- Honors Seminars
- Office for National and International Scholarships

UROP and Undergraduate Research



UNIVERSITY OF MINNESOTA

Driven to DiscoverSM

Office of Undergraduate Education

Campus-wide Student Support Services

Student Support Services Coordination
Academic Advising Network (AAN)
SMART Learning Commons

University Curriculum and Undergraduate Degree Programs

Liberal Education Requirements
Writing-Enriched Curriculum
Course Access
Placement
Four-Year Graduation Plan



Student Learning Outcomes and Student Development Outcomes Collaboration

(led by Vice Provosts for Faculty/Academic Affairs and Student Development)

Service Learning and Community Engagement (dotted line)

Writing Center and Freshman Composition (dotted lines)

Health Careers Center (dotted line)

McNamara Academic Center (academic counseling for student athletes)

ROTC (Army, Navy, and Air Force)



UNIVERSITY OF MINNESOTA

Driven to DiscoverSM

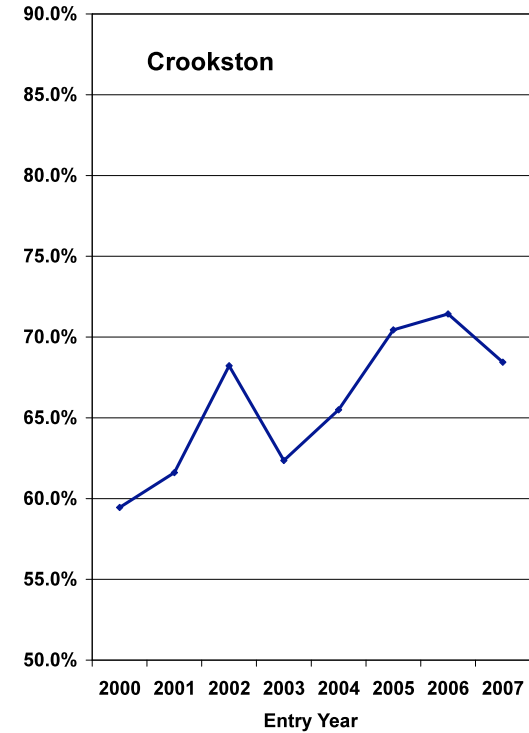
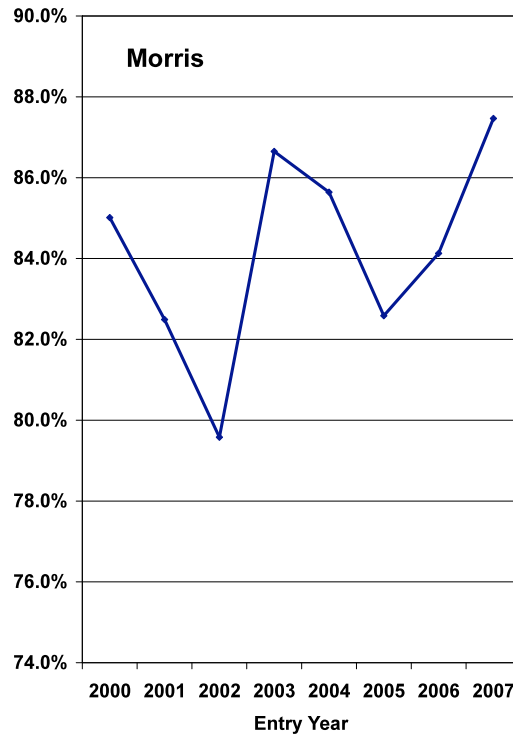
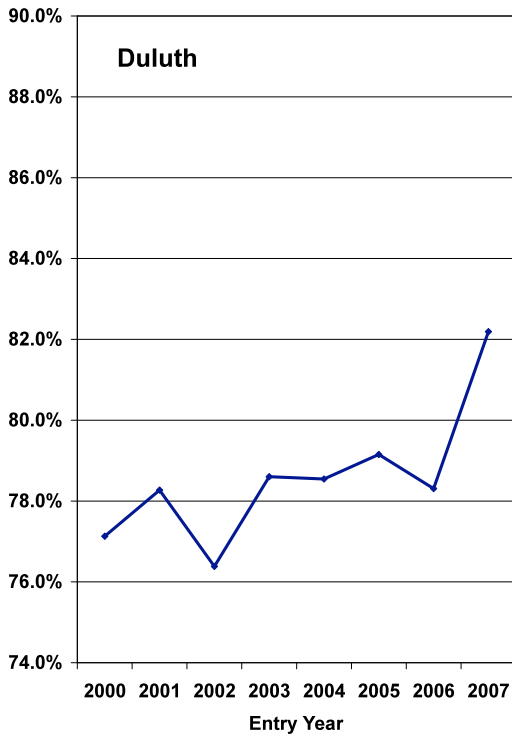
RETENTION & GRADUATION RATE PROGRESS: UMC, UMD, UMM



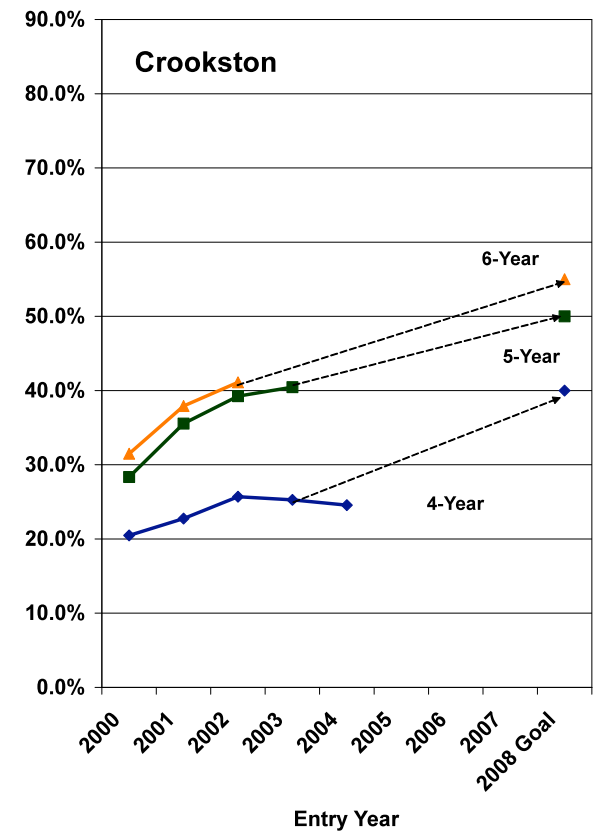
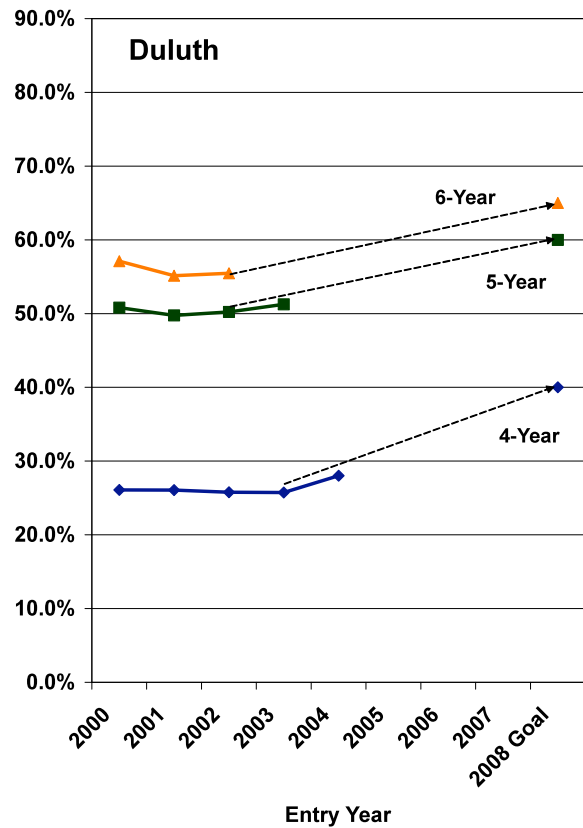
UNIVERSITY OF MINNESOTA

Driven to DiscoverSM

Retaining Our Students: UMC, UMD, UMM 1st Year Retention



Graduation Rates & Goals: UMC, UMD, UMM



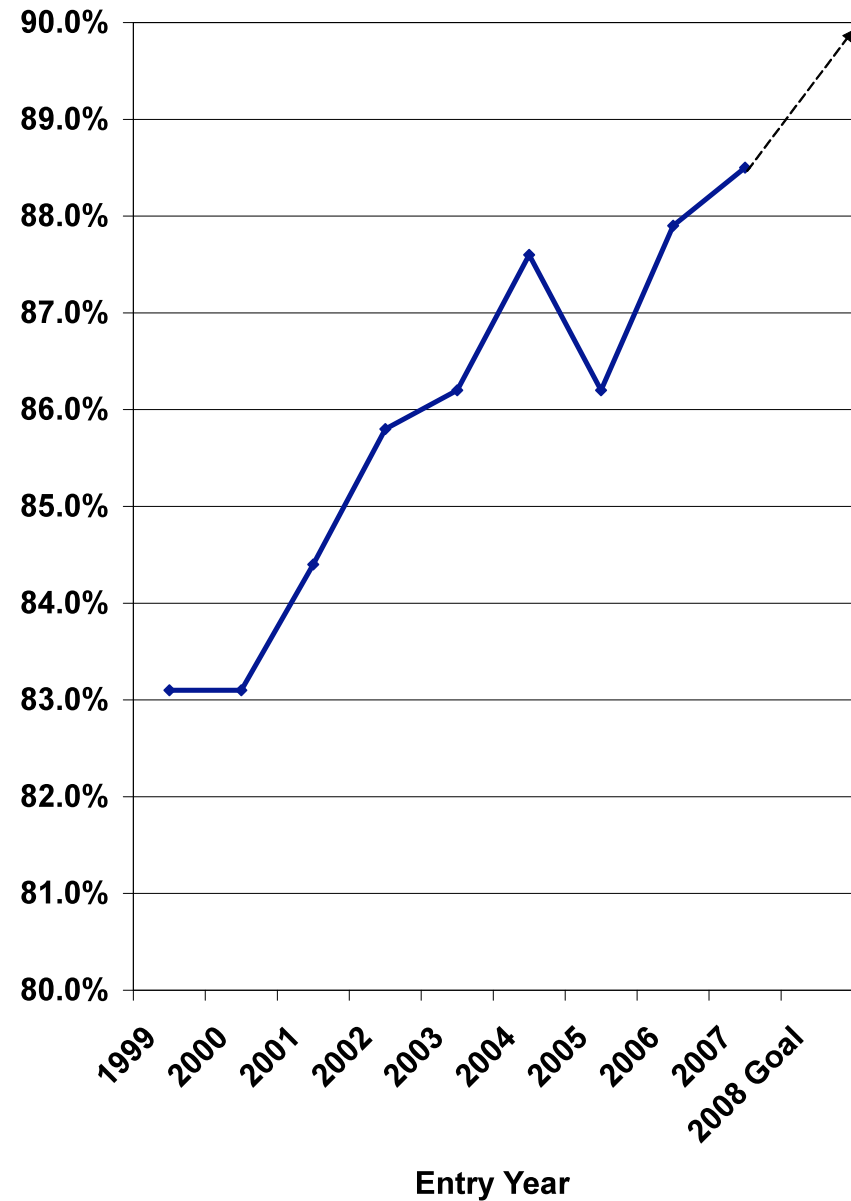
RETENTION & GRADUATION RATE PROGRESS: UMTC



UNIVERSITY OF MINNESOTA

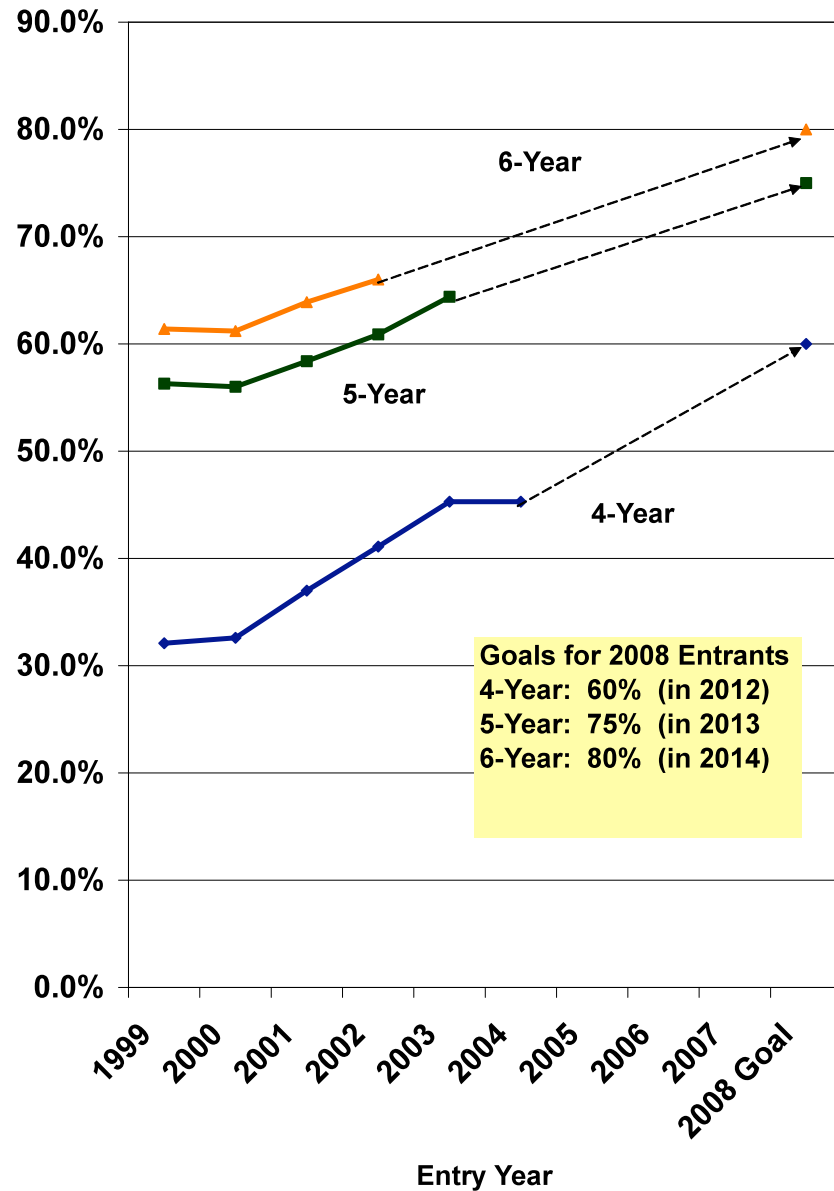
Driven to DiscoverSM

Retaining Our Students: UMTC 1st Year Retention



UNIVERSITY OF MINNESOTA
Driven to DiscoverSM

Graduation Rates & Goals: UMTC



DEGREES GRANTED



UNIVERSITY OF MINNESOTA

Driven to DiscoverSM

Degrees Granted: 2007-08

In 2007-08, the University of Minnesota awarded 13,933 degrees.

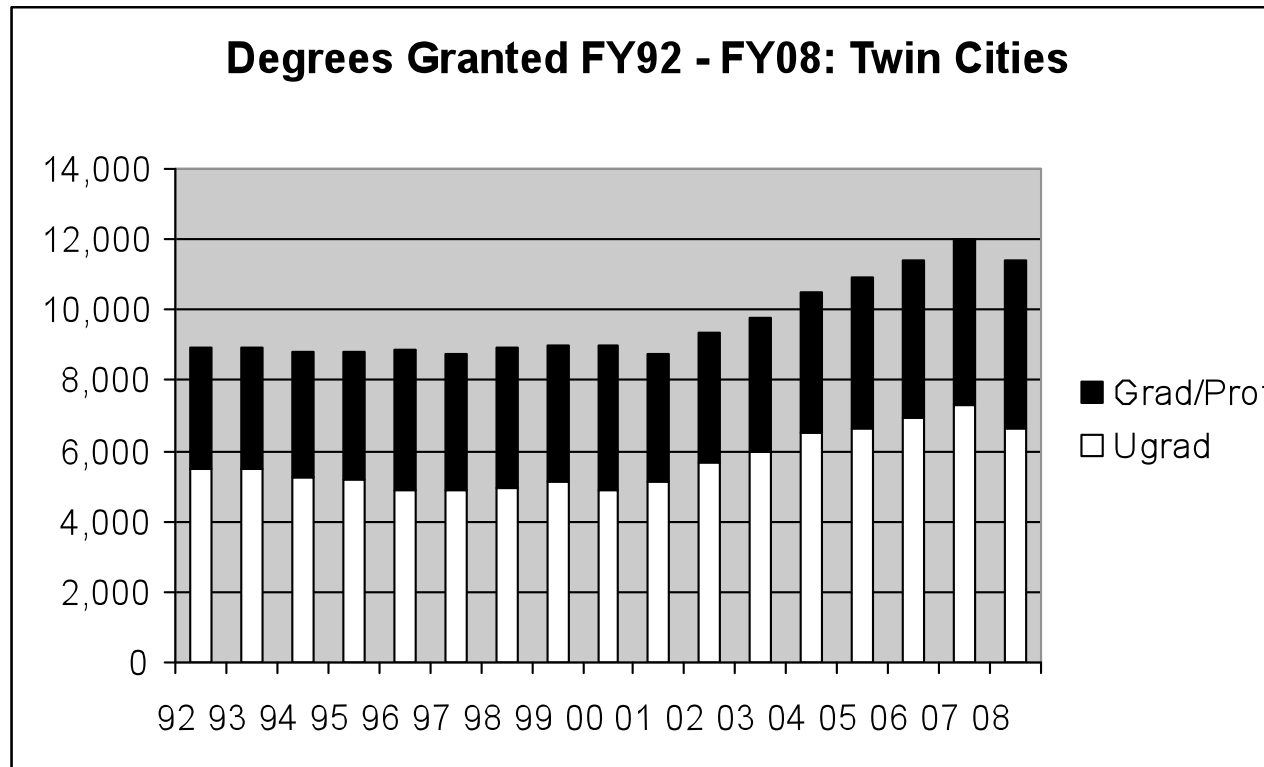
Degrees Granted: 2007-08					
	UMC	UMM	UMD	UMTC	ALL
Associate	20	0	0	0	20
Baccalaureate	209	356	1,769	6,650	8,984
Master's	0	0	238	3,188	3,426
Doctoral	0	0	0	775	775
1st Professional	0	0	0	788	788
Total	229	356	2,007	11,401	13,993



UNIVERSITY OF MINNESOTA

Driven to DiscoverSM

Degrees Granted FY92-FY08: UMTC



UNIVERSITY OF MINNESOTA

Driven to DiscoverSM

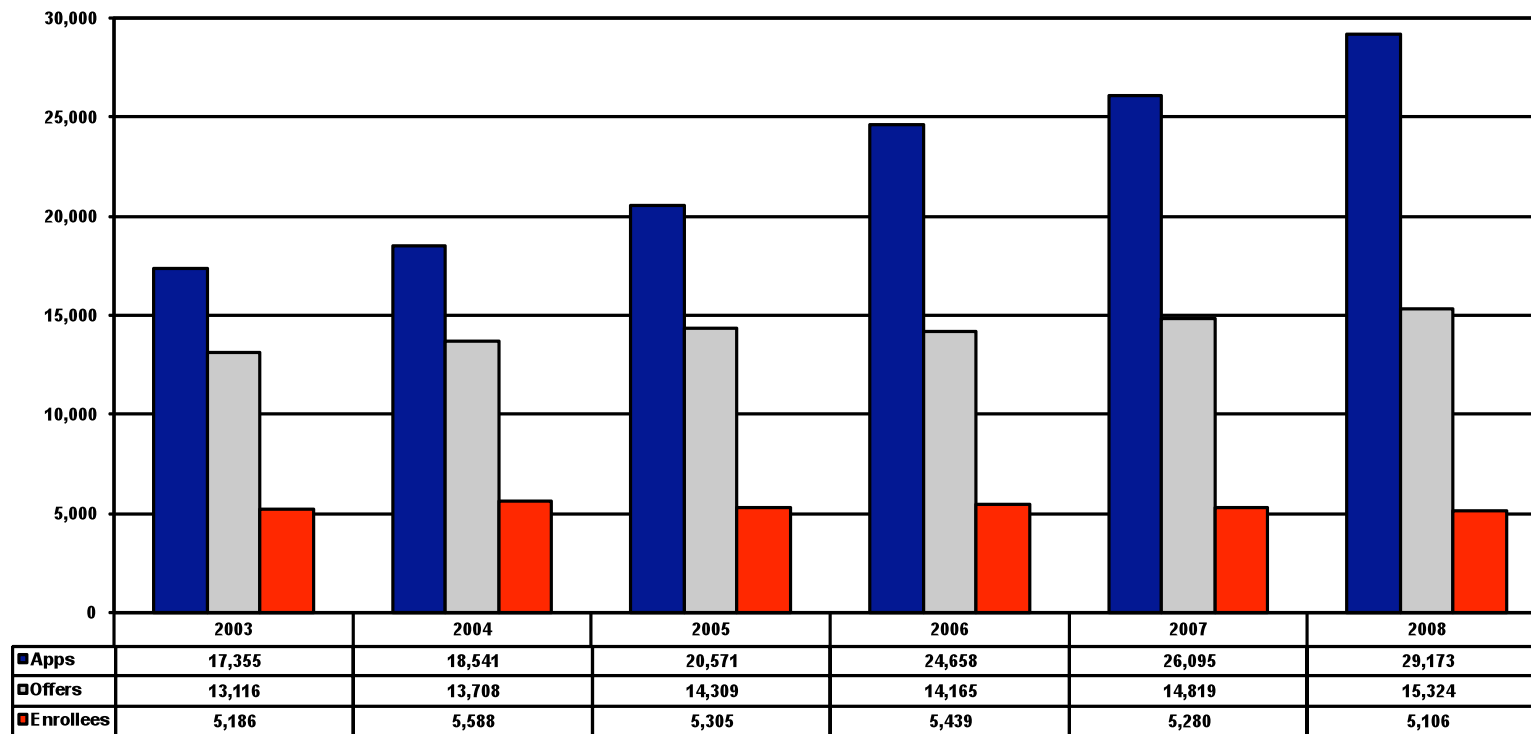
ENROLLMENT UPDATE



UNIVERSITY OF MINNESOTA

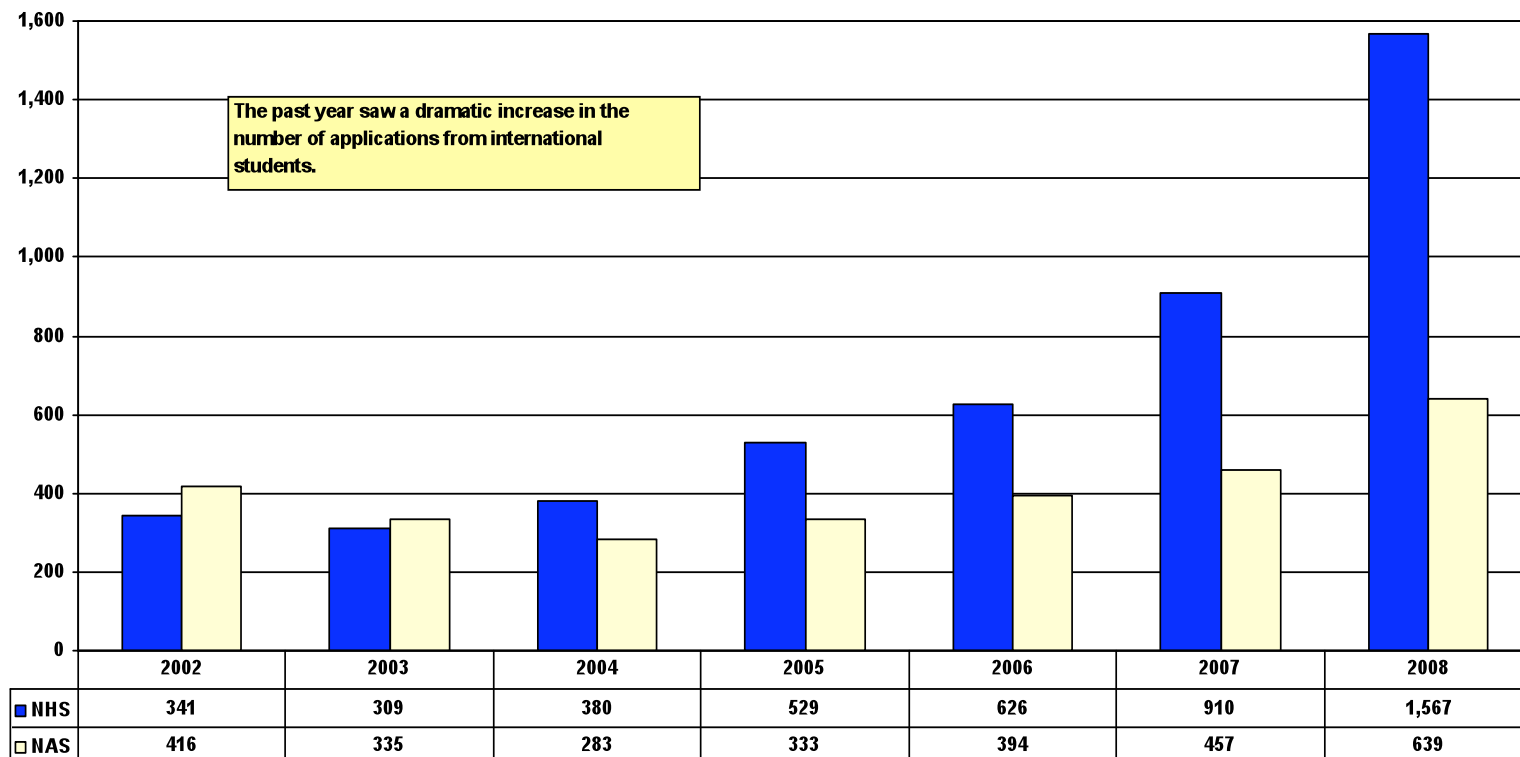
Driven to DiscoverSM

UMTC Total New Freshman Applicants, Offers, and Enrollees, 2003-2008



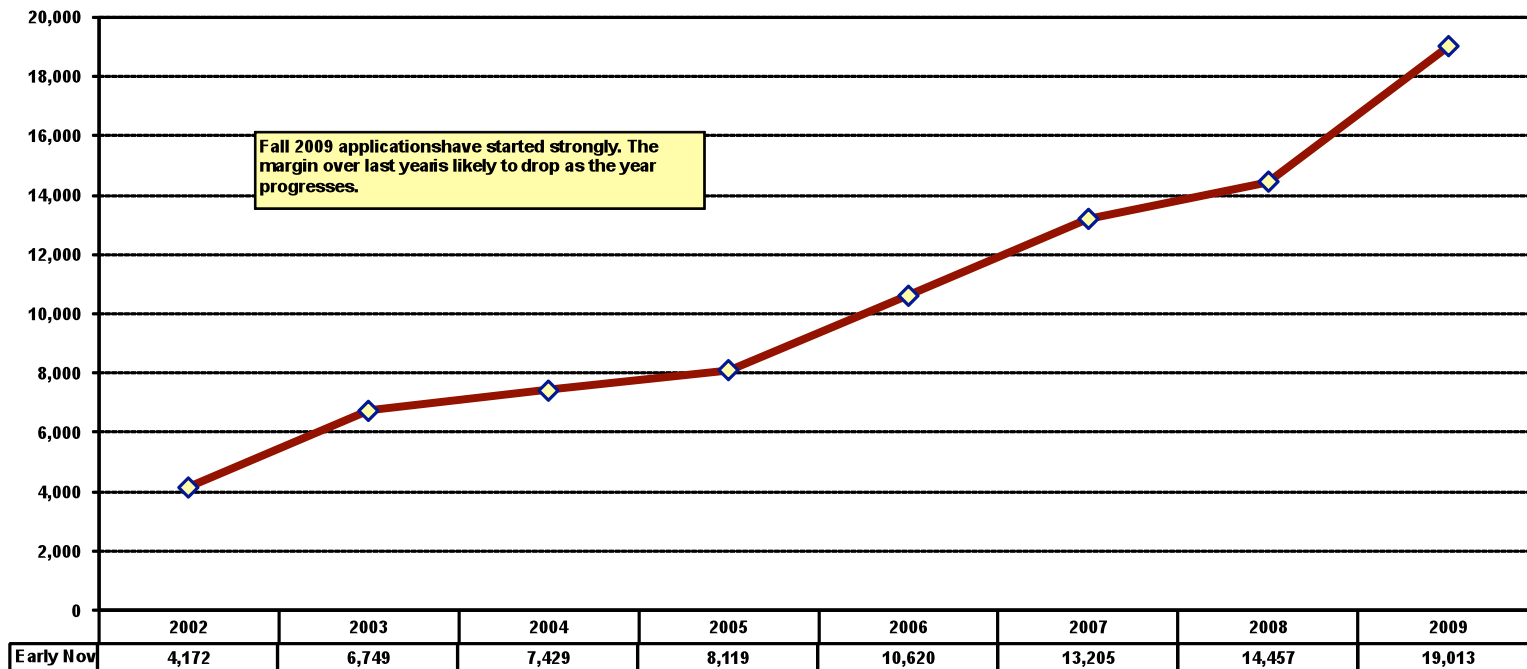
Enrollment Update: International Applications 2002-2008

International Freshman and Transfer Applications, Fall 2002-2008

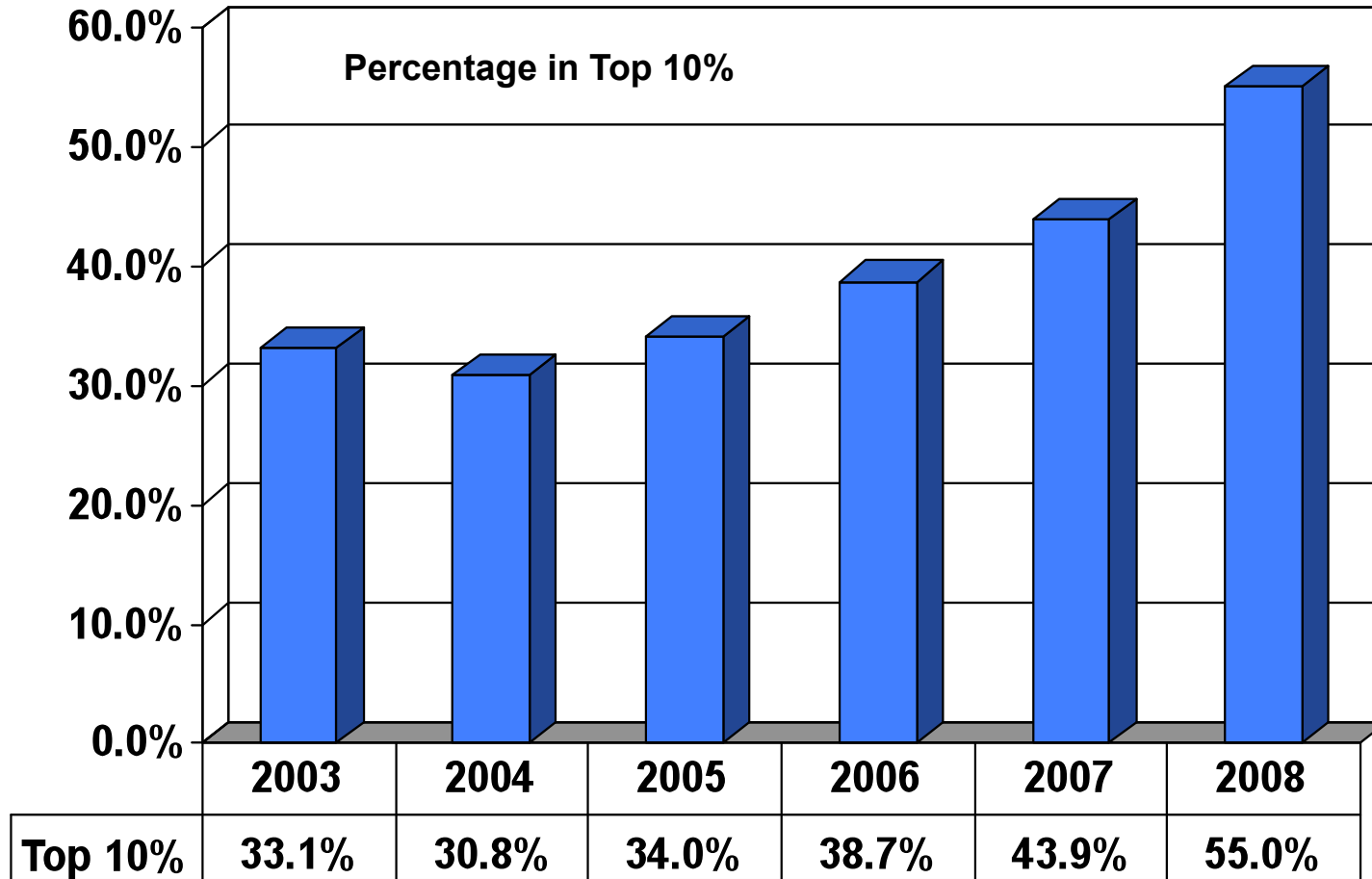


Enrollment Update: November Application Trends 2002-09

Twin Cities Campus New Freshman Applications as of the Start of November, Fall 2002-2009



Enrollment Update: High School Rank

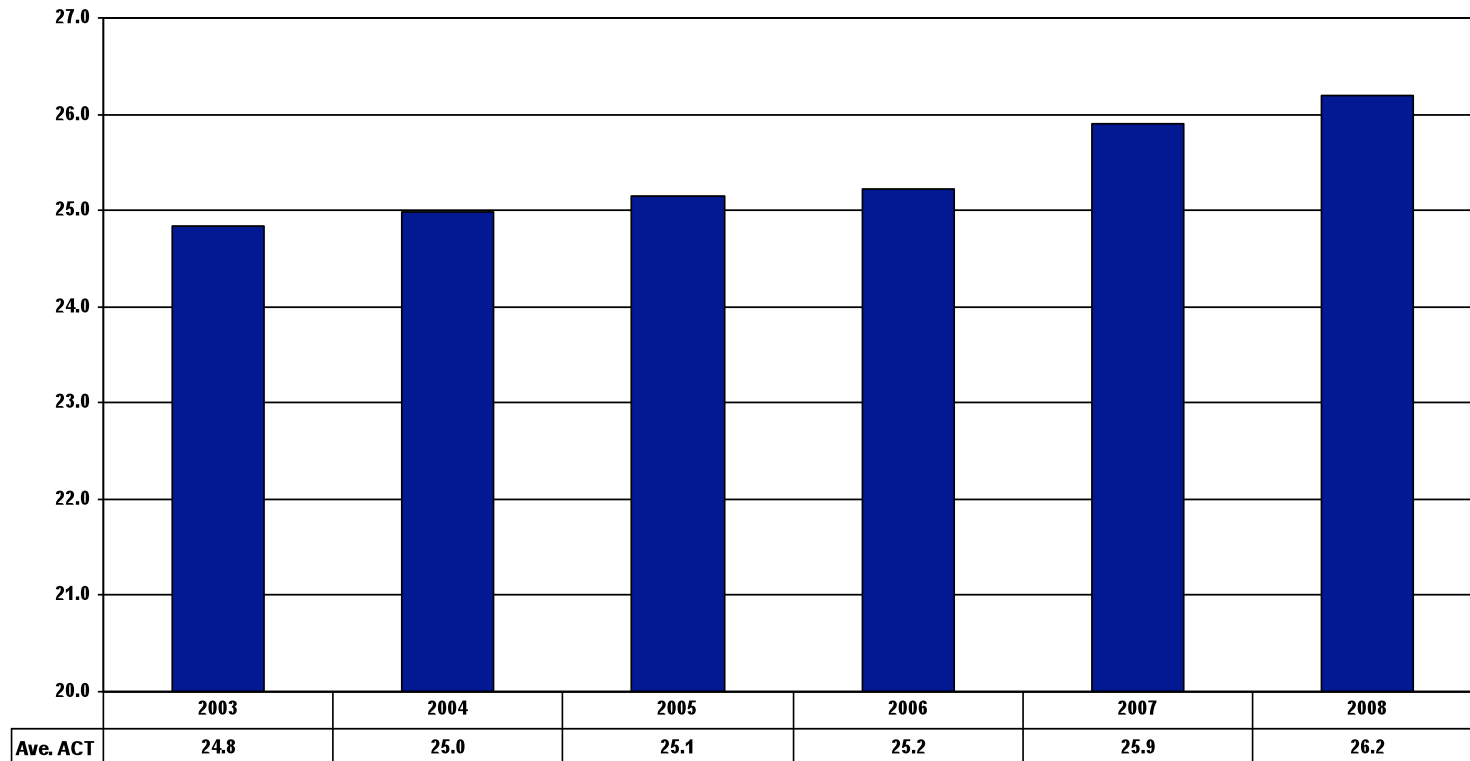


UNIVERSITY OF MINNESOTA

Driven to DiscoverSM

Enrollment Update: ACT Composite Score

Average ACT Composite Score of Twin Cities Campus New Freshmen, 2003-2008

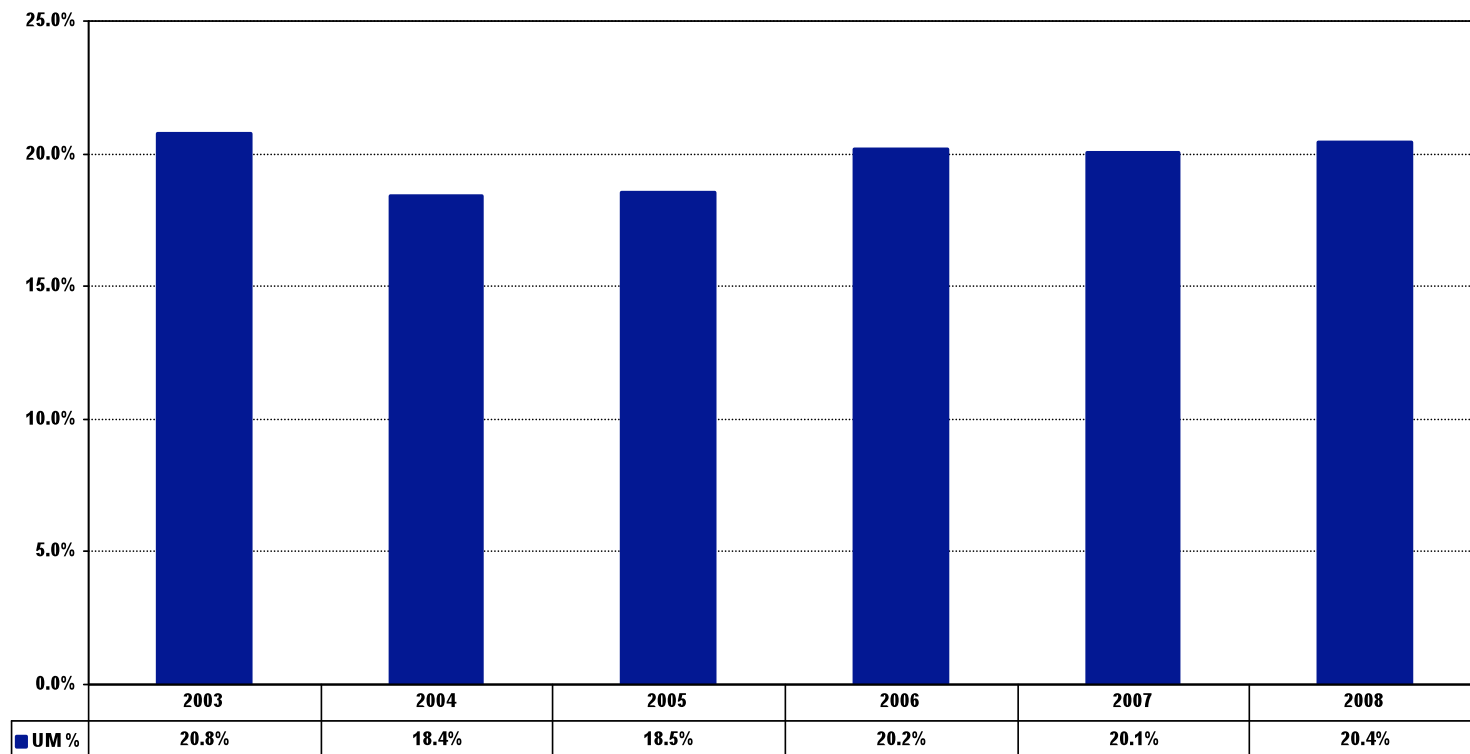


UNIVERSITY OF MINNESOTA

Driven to DiscoverSM

Enrollment Update: Students of Color

Percentage of Students of Color among Twin Cities Campus New Freshmen, F2003-2008



UNIVERSITY OF MINNESOTA

Driven to DiscoverSM

Competitive Advantages

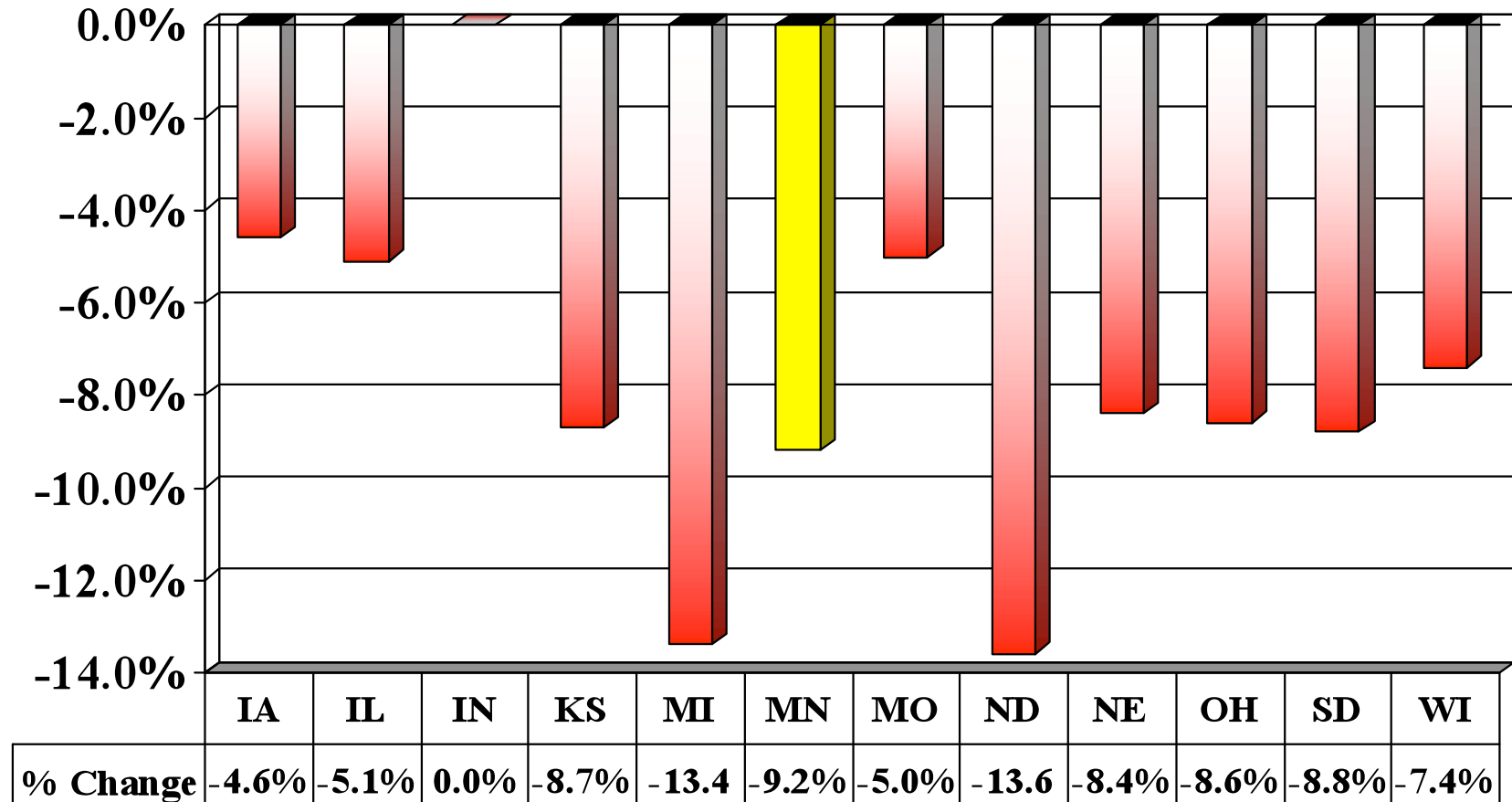
- Vibrant urban location
- Ability to enroll in upper division colleges directly
- Diversity of programs/majors (140)
- Perceived value by students
- R2000 tuition rates
- Strategic positioning undergraduate initiatives



UNIVERSITY OF MINNESOTA

Driven to DiscoverSM

High School Graduate Percentage Change from 2008 to 2014, Midwestern States



FIRST-YEAR PROGRAMS: ORIENTATION



UNIVERSITY OF MINNESOTA

Driven to DiscoverSM

Freshman Orientation



- Orientation programs are offered in June, July and August
- 5105 freshmen attended two-day orientation
- 4031 parents of freshmen attended one-day parent orientation



UNIVERSITY OF MINNESOTA

Driven to DiscoverSM

FIRST-YEAR PROGRAMS: WELCOME WEEK



UNIVERSITY OF MINNESOTA

Driven to DiscoverSM

Welcome Week

- Approximately 4600 or 90.1% of the Class of 2012 participated in Welcome Week activities
- There were 336 Welcome Week leaders
- Leaders volunteered over 100 hours of service to the University to support this program
- **BY ALL MEASURES, A GREAT SUCCESS**



UNIVERSITY OF MINNESOTA

Driven to DiscoverSM

Welcome Week

- College Day
- University Day
- Community Day
- Day of Service and Engagement



“CDes faculty of first-year students have noticed ‘a palpable difference’ in this year’s freshmen. They are more engaged, more talkative in class early in the term, more comfortable/settled in, and ‘further along’ than past freshmen.”

-College of Design Staff



UNIVERSITY OF MINNESOTA

Driven to DiscoverSM



Welcome Week

Student Perceptions



UNIVERSITY OF MINNESOTA

Driven to DiscoverSM

Welcome Week – General Findings

- Students' main anxiety/concerns prior to Welcome Week were:
 - Academic coursework (i.e. doing well in class)
 - Making friends and meeting people
 - Financial concerns
 - Developing skills
 - Deciding on a major



UNIVERSITY OF MINNESOTA

Driven to DiscoverSM

FRESHMAN SEMINARS



UNIVERSITY OF MINNESOTA

Driven to DiscoverSM

Freshman Seminars



- Began as a pilot in 1998
- Available to all first-year, full-time students across campus in 1999



UNIVERSITY OF MINNESOTA

Driven to DiscoverSM

Freshman Seminar: Retention and Graduation 2003-2006 Cohort

		All First-time Freshmen	Seminar Participation Rate		1 st year retention		4 year graduation rate
2003	Seminar	1376	26.5%	1236	89.8%	712	51.7%
	No seminar	3810	73.5%	3224	84.6%	1608	42.2%
	Total	5186	100.0%	4460	86.0%	2320	44.7%
2004	Seminar	1458	26.1%	1325	90.9%		
	No seminar	4130	73.9%	3558	86.2%		
	Total	5588	100.0%	4883	87.4%		
2005	Seminar	1386	26.1%	1242	89.6%		
	No seminar	3919	73.9%	3324	84.8%		
	Total	5305	100.0%	4566	86.1%		
2006	Seminar	1502	27.6%	1367	91.0%		
	No seminar	3937	72.4%	3411	86.6%		
	Total	5439	100.0%	4778	87.8%		



UNIVERSITY HONORS PROGRAM



UNIVERSITY OF MINNESOTA

Driven to DiscoverSM

UHP is...

an enriched, interdisciplinary approach to education for highly motivated students

- Admissions
- Advising
- Cross-Campus Collaboration
- Curriculum
- Co-curricular activities
- Graduation with Latin Honors



UNIVERSITY OF MINNESOTA

Driven to DiscoverSM

2008-2009 Enrollment Statistics

611 freshmen

28 transfer students

88 UMTC transfer students*

1679 continuing collegiate-honors students

2,406 total

* UMTC students who were not previously in an Honors program or were changing colleges.



UNIVERSITY OF MINNESOTA

Driven to DiscoverSM

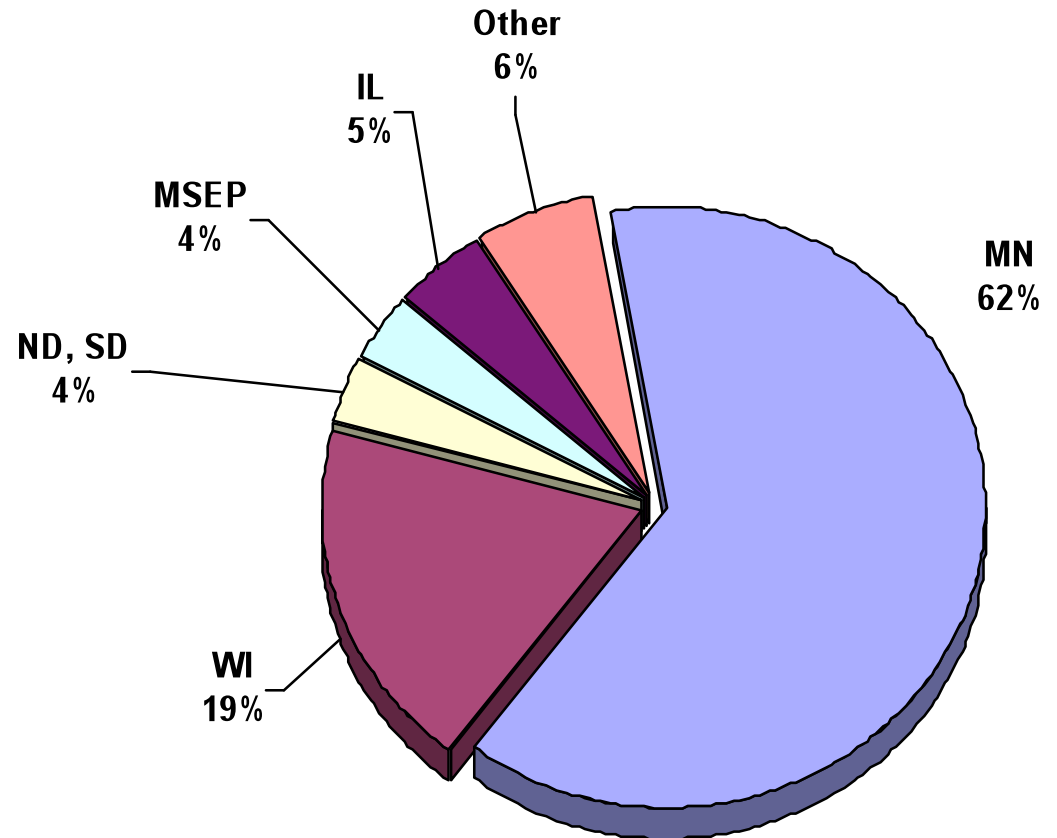
UHP Class of 2012

Average ACT score:
31

Average high school rank:
96.5%

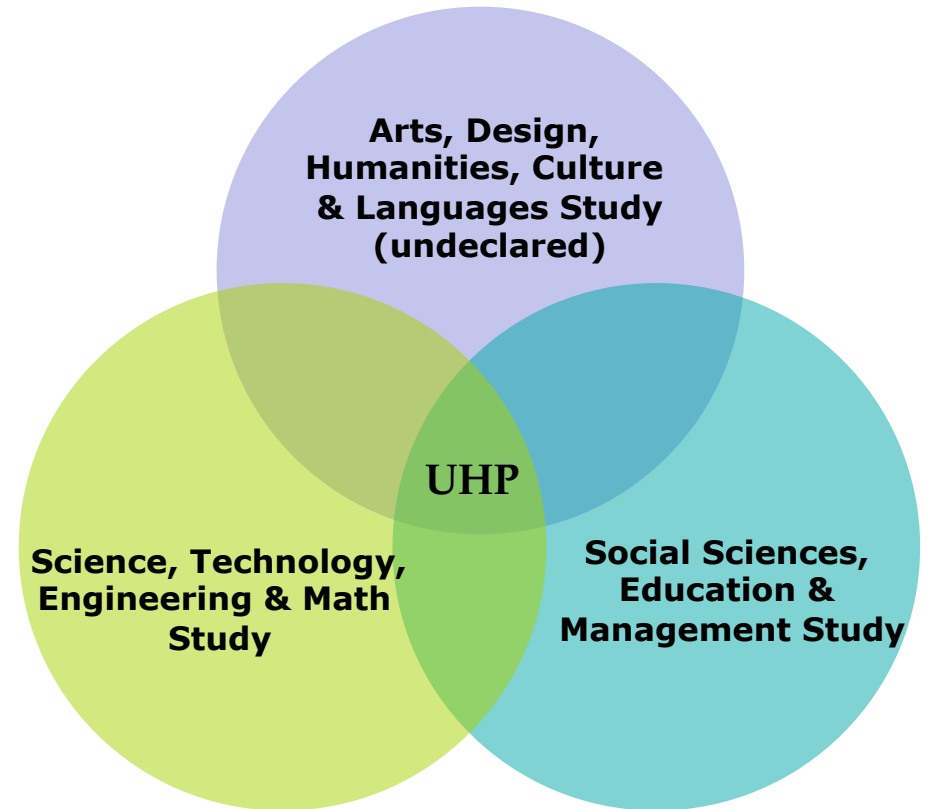
Students of color:
13.6%

Gender:
56.8% female



Advising

- UHP advising expertise spans disciplines and colleges.
- UHP advisors work closely with the advising staff in each college.
- Students with varied interests benefit from this collaboration and diversity of knowledge.



UNIVERSITY OF MINNESOTA

Driven to DiscoverSM

Scholarships and Awards

The Office for National and International Scholarships, located within the University Honors Program office, assists students and recent graduates (both honors and non-honors) in identifying and becoming competitive candidates for scholarships.

Awards won by undergraduates since 2000 include:

- 5 Rhodes Scholarships*
- 7 Harry S. Truman Scholarships
- 16 Fulbright Grants (six in 2008 alone)
- 23 Barry M. Goldwater Scholarships

* The University ranks second among US public universities in the number of Rhodes Scholars it has produced since 2000.



Ashley Nord
2008 Rhodes Scholar

senior summa cum laude
candidate majoring in global
studies, physics and
astrophysics



UNIVERSITY OF MINNESOTA
Driven to DiscoverSM

ACADEMIC SUPPORT



UNIVERSITY OF MINNESOTA

Driven to DiscoverSM

EXCEPTIONAL STUDENTS

Twin Cities Campus Financial Aid: Increasing productivity to improve affordability

Year	Students with aid	Aid total
2008	32,560	\$442,344,283
2007	31,132	\$413,055,184
2006	31,738	\$394,842,056
2005	31,202	\$373,198,080
2004	30,207	\$336,685,374
2003	28,482	\$291,756,166
2002	26,818	\$236,573,073
2001	25,464	\$214,565,230



UNIVERSITY OF MINNESOTA

Driven to DiscoverSM

EXCEPTIONAL STUDENTS

Graduation Planner

The screenshot shows the Graduation Planner interface with a pop-up window for ANTH 3003. The main interface displays a grid of planned courses for Fall 2009, Spring 2010, and Summer 2010. The pop-up window provides detailed information for ANTH 3003, including its title, description, prerequisites, liberal education requirements, and a recommended time frame table.

ANTH 3003 [delete course] [close window]

Title: Cultural Anthropology

Description: Topics vary. Field research. Politics of ethnographic knowledge. Marxist/feminist theories of culture. Culture, language, and discourse. Psychological anthropology. Culture/transnational processes.

Prereq: 1003 or 1005 or instr consent

Liberal Educ:

Terms Offered: Fall, Spring, Summer in All academic years

Credits: 3

Campus: Twin Cities

Last Modified in Plan: 08/13/2008

Anthropology BA: When Should I Take This Course?

	Fr.			Soph.			Jr.			Sr.		
	Fall	Spring	Summer	Fall	Spring	Summer	Fall	Spring	Summer	Fall	Spring	Summer
ANTH 3003				█	█	█	█	█	█			

Key: █ Recommended time frame
 █ Choose this term, if possible

Plan For:

*Term: Spring *Year: 2010

Plan It



Graduation Planner Usage

- Graduation Planner went live on August 28, 2007

	December 2007	December 2008	% Increase
Number of Students	9,564	23,184	142%
Number of Plans	12,305	35,374	187%

Statistics include students on all campuses



CLASSROOMS – UMTC

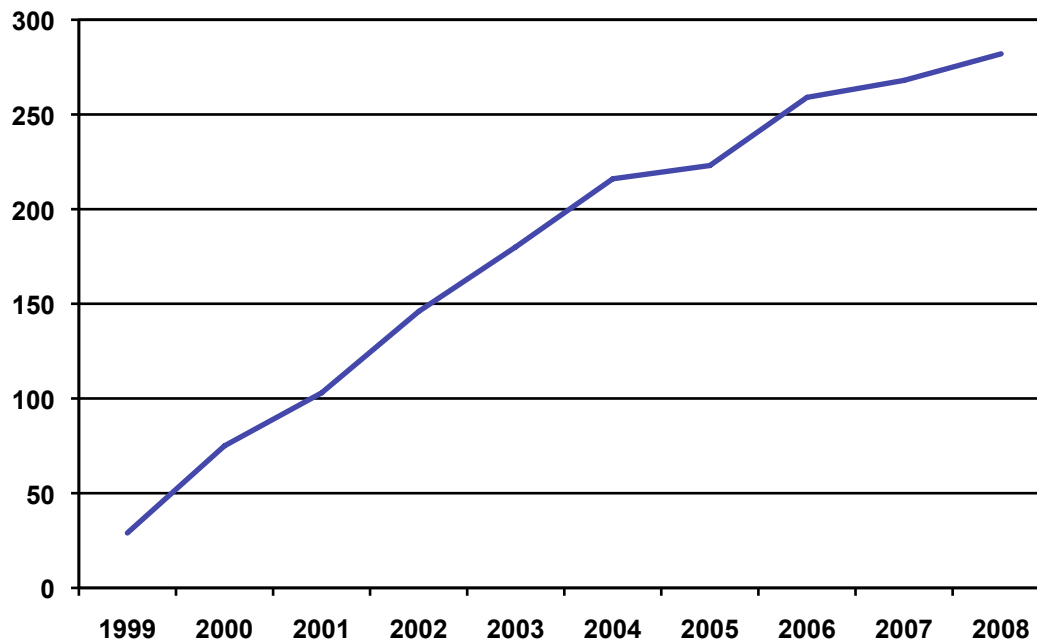


UNIVERSITY OF MINNESOTA

Driven to DiscoverSM

Projection Capable Central Classrooms

- 92% of UMTC Central Classrooms meet projection capable classroom standard



- **Projection Capable Classroom:**
 - Fixed data/video projection
 - User friendly laptop interface
 - Wireless networking
 - Smart control system with networked quality monitoring
 - Standard input devices (VCR and DVD)
 - Internet connectivity
 - “Hotline” phone for instructor



EXCEPTIONAL STUDENTS

Active Learning Classroom Pilot Initiative

- Innovative student-centered, flexible, 21st century classrooms
- A leading design in higher education



UNDERGRADUATE RESEARCH



UNIVERSITY OF MINNESOTA

Driven to DiscoverSM

Undergraduate Research Goals

- 50% of students would graduate with a research experience (e.g. UROP, job, class, volunteer internship)
- 1,000 UROP projects and Undergraduate Research Scholarships would be funded annually



UNIVERSITY OF MINNESOTA

Driven to DiscoverSM

What is UROP?

Julia Winkels , CLA 2010

On Language, Violence and the Body: Interdisciplinary Explorations

Major

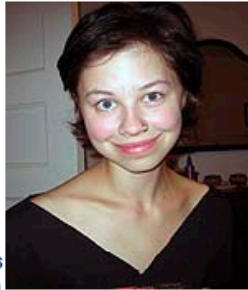
Dance, Cultural Studies and Comparative Literature

Mentor

Carl Flink : Theatre Arts & Dance

Brief Bio

I'm a sophomore dance major who likes polaroid pictures, bike rides, and vegan food.



Future Plans

I want to be a performance artist or maybe a rock star.

Why Research?

I'm interested in dancing across boundaries, making it an interdisciplinary art. Dance should be important and real in people's lives - it should be real and urgent; it should make a difference. This research is the first step in making my own art.

What Did I Get from Research?

I found out a lot about collaboration and the creative process - my partner is a theorist who doesn't have any performance experience, and I'm a dancer with a very small theoretical background. We had to find a middle ground that enabled us to organically translate a story across mediums, and that process has taught me a lot.

- Undergraduate Research Opportunities Program (UROP) capitalizes on the University's research strengths to improve undergraduate education:
 - Facilitates a research experience between a **Student** and her/his **Faculty Mentor**
 - Pays stipends of \$1,400 plus research expenses (up to \$300) for about one semester of work
 - Requires students to publish results at national or local conferences or symposia
 - A similar program (Undergraduate Research Scholarships) helps recruit high quality students
 - In 2008-09 there are 653 approved UROP proposals, an increase from 607 in 2007-08



UNIVERSITY OF MINNESOTA

Driven to DiscoverSM

Other Research Opportunities

- The National Conference on Undergraduate Research (NCUR) showcases about 50 University students each year (all campuses)
- The April 2008 University Symposium at Coffman Union exhibited more than 250 student posters

Matthew Lulay, UM Duluth 2010

The Pound Predicament: How and why the United Kingdom has continued to use the pound in a continent largely unified with the euro

Major

Economics

Mentor

Bedassa Tadesse: Economics

Brief Bio

I am currently studying abroad at the University of Birmingham in central England. My interests include economics, philosophy, traveling, fitness, and guitar.

Future Plans

Graduate school, Peace Corps, or military service

Why Research?

I went into college not knowing how economics would work out. After a few courses I realized that it was for me. I grew more interested in international economics and decided to learn more. I was curious as to why England has remained with the Great British Pound (GBP) in a continent largely converted to the euro. I submitted a proposal with the guidance of Prof. Tadesse and we went from there. Now I am in England studying the GBP and the euro on location which has been a great experience.



UNIVERSITY OF MINNESOTA

Driven to DiscoverSM

Transforming Exceptional Students into Lifelong Learners

SMART LEARNING COMMONS



UNIVERSITY OF MINNESOTA

Driven to DiscoverSM

What is SMART?

- A tutoring center that supports and enhances student learning, writing, research, numeracy, and use of technology through tutoring and consulting
- Multiple sites: Wilson Library (West Bank), Walter Library (East Bank), Magrath Library (St. Paul), Multicultural Center for Academic Excellence, and 10 residence hall locations
- Offers extended evening and weekend hours for student convenience

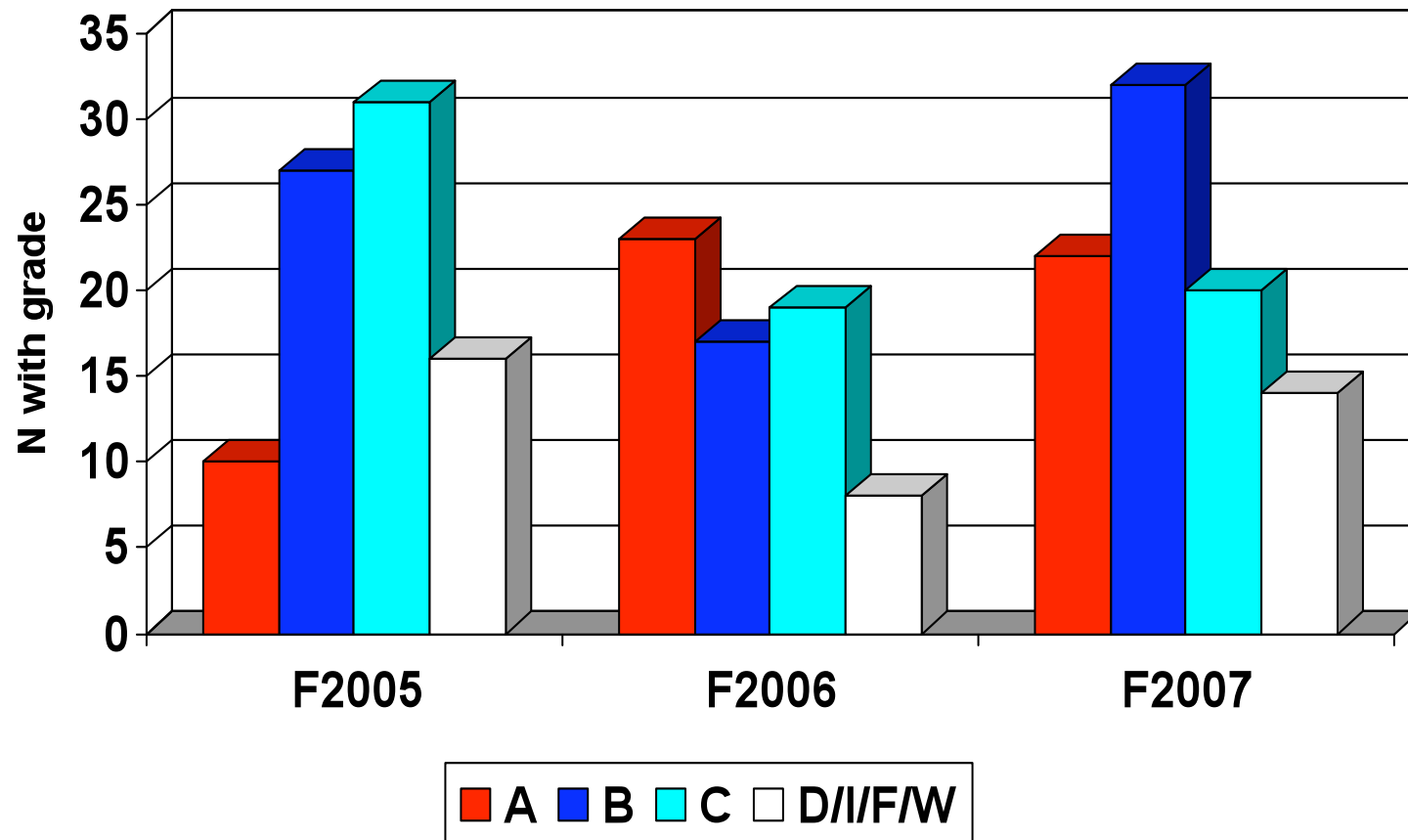


UNIVERSITY OF MINNESOTA
Driven to DiscoverSM

Peer-Assisted Learning (PAL)

- Structured weekly study sessions facilitated by undergraduate students.
- PAL facilitators do not teach; they engage students in discussions and activities to promote deeper understanding of course concepts.
- Students share learning strategies, problem-solving and critical thinking skills.
- Students experience seeing their peers as resources for their own learning.

Evidence of Effectiveness: PAL Support in Chemistry for Animal Science Students



ACCESS TO SUCCESS PROGRAM



UNIVERSITY OF MINNESOTA

Driven to DiscoverSM

What is Access to Success?

- A University initiative to provide access to traditionally underrepresented students.
- Designed to serve students who have demonstrated strong potential to succeed, but whose high school records (e.g. standardized test score, H.S. rank, etc.) have not matched the typical profile of students admitted to the University.
- Students are admitted to one of three colleges: CEHD, CLA, CFANS.



UNIVERSITY OF MINNESOTA

Driven to DiscoverSM

ATS Program Characteristics

- Intensive advising and peer mentoring
- Use of SMART Learning Commons by CFANS and CLA
- Focus on the first-year experience (e.g. Freshman Seminars, first-year courses)
- Networking
- Ability to track the success of ATS students as a group and do full-program assessment



UNIVERSITY OF MINNESOTA

Driven to DiscoverSM

BRIDGE TO ACADEMIC EXCELLENCE



UNIVERSITY OF MINNESOTA

Driven to DiscoverSM

Program Mission Statement

- Facilitate the transition of 80 selected freshmen to the University of Minnesota.
- Ensure that students have the support, and learn the skills, to reach their full academic potential.



UNIVERSITY OF MINNESOTA

Driven to DiscoverSM

Program Goals

- During summer prior to the first year, provide foundational academic experiences.
- Familiarize participants with the campus and build a sense of community and connectedness.
- Help students develop important skills through intensive peer mentoring and student advising.
- Provide a “jump start” to graduation by offering credit-bearing courses in key topic areas during summer.



UNIVERSITY OF MINNESOTA

Driven to DiscoverSM

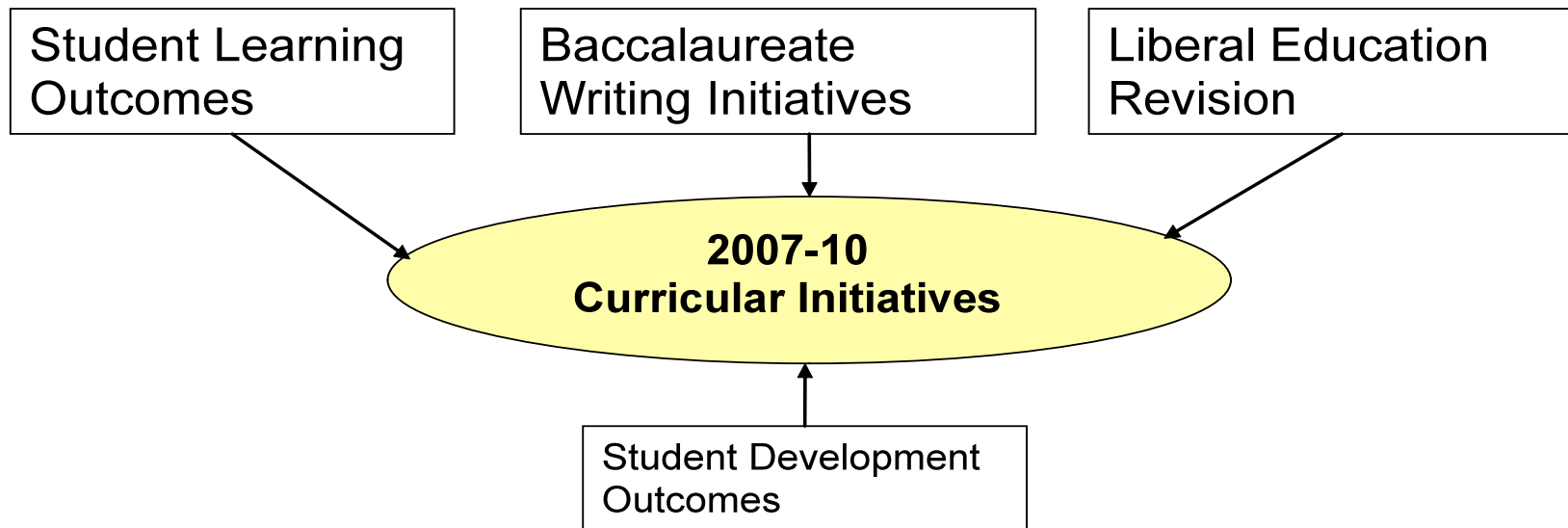
CURRICULUM



UNIVERSITY OF MINNESOTA

Driven to DiscoverSM

Curricular Initiatives



UNIVERSITY OF MINNESOTA

Driven to DiscoverSM

Writing

Freshman Writing and First-year Writing Initiative

- **Part I:**

The creation of the new Department of Writing Studies in the College of Liberal Arts provided for a new Freshman Writing program with three foundational classes: 1201, 1301, and 1401.

- **Part II:**

In consultation with the Writing Center and with support from the Bush Foundation, we are piloting a new model of writing, the Writing-Enriched Curriculum initiative.



UNIVERSITY OF MINNESOTA

Driven to DiscoverSM

Writing-Enriched Curriculum (WEC)

- A process for ensuring that meaningful writing instruction is infused in the undergraduate curricula
- WEC shifts the emphasis on writing from a series of unconnected Writing Intensive (WI) courses to a more coherent disciplinary approach that allows students to write throughout their major
- Each department determines an individualized writing plan for its majors
- In pilot year two
- Is currently being implemented in 11 academic units
- Has collected 930 samples of student writing to date



UNIVERSITY OF MINNESOTA

Driven to DiscoverSM

Liberal Education Requirements Background



1994: Implementation of “Howe Committee” Liberal Education Report

- Provided common set of LE requirements across all colleges
- Established Council on Liberal Education
- Developed structure that provided breadth (“Diversified Core”) and interdisciplinary examination of contemporary issues (“Designated Themes”)



UNIVERSITY OF MINNESOTA

Driven to DiscoverSM

Recommendations: Goals

- Sustain a campus-wide commitment to liberal education
- Clearly articulate and uphold the standards that LE courses have to meet
- Transform our communication with students about what we expect of them
- Assess outcomes and hold colleges and departments accountable



UNIVERSITY OF MINNESOTA

Driven to DiscoverSM

Recommendations: Revitalizing the Core

Students will take one course in each of the following:

1. Arts and Humanities
2. Biological Sciences
3. Historical Perspectives
4. Literature
5. Mathematical Thinking
6. Physical Sciences
7. Social Sciences



UNIVERSITY OF MINNESOTA
Driven to DiscoverSM

All courses in the Core must:

- **help students understand** what liberal education is, and what this means for them as students and as citizens.
- employ teaching and learning strategies that engage students with **doing the work** of the field.
- include **small group experiences** (such as discussion sections or labs) and use **writing** as appropriate to the discipline.
- **not have prerequisites** beyond the University's entrance requirements.
- be offered on a **regular schedule**.
- be **taught by regular faculty** (except under extraordinary circumstances).



UNIVERSITY OF MINNESOTA

Driven to DiscoverSM

Recommendations: Rethinking the Themes

The Themes focus on relevance to society and encourage students to:

- think ethically about important challenges facing our society and world;
- reflect on the shared sense of responsibility required to build and maintain community;
- connect knowledge and practice;
- foster a stronger sense of our roles as historical agents.



UNIVERSITY OF MINNESOTA

Driven to DiscoverSM

Recommendations: Rethinking the Themes

Students will complete one course that meets each of the following themes:

1. Civic Life and Ethics
2. Diversity and Social Justice in the U.S.
3. Environment
4. Global Perspectives
5. Technology and Society



Implementation

- CLE recommendations were approved by the Senate in spring 2008 and requirements will go into effect for new freshmen beginning fall 2010
- All courses currently certified for LE designation will be revised and resubmitted to meet the new guidelines
- The new Council is currently recertifying all courses



UNIVERSITY OF MINNESOTA

Driven to DiscoverSM

The Office of Undergraduate Education has the tripartite goal of:

- Attracting the very best students to the University of Minnesota
- Providing these students with a world-class education
- Graduating these students in a timely way



UNIVERSITY OF MINNESOTA

Driven to DiscoverSM