



# National Community College Benchmark Project (NCCBP) 2008: Summary of Results

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## Introduction

The National Community College Benchmark Project (NCCBP) provides community colleges with opportunities to report outcome and effectiveness data in critical performance areas, receive reports of benchmarks, and compare results with those of other colleges. A benchmark serves as a data point by which others may be measured or compared. In 2008, 188 community colleges across the country participated in the NCCBP by providing data to the NCCBP.

This report provides a summary of the results indicating how Minneapolis Community and Technical College (MCTC) compares to two groups, a selected peer comparison group and the national comparison group of all participating colleges.

The NCCBP identifies institutions as demonstrating best practices on individual measures within the NCCBP. This is defined as scoring in the top 20% of all participating institutions (80<sup>th</sup> percentile or above). Measures on which MCTC has been selected as demonstrating best practices are marked in green in the MCTC NATL Rank column in the report. These measures indicate areas of strength for MCTC. Conversely, measures where MCTC scored in the bottom 20% of all participating institutions (20<sup>th</sup> percentile or below) are marked in red in the report. This indicates that 80% or more of all participating colleges scored higher than MCTC on the measure. The red measures are areas of opportunity for MCTC.

### Key for MCTC Compared to the National Benchmark

	Green indicates MCTC scored in the top 20% nationally for that measure.
	Red indicates MCTC scored in the bottom 20% nationally for that measure.

In addition to the national comparison group of all participating colleges, a smaller custom peer comparison group was identified by MCTC's Office of Strategy, Planning and Accountability. This subgroup was selected based on race/ethnicity enrollment breakdown, Career and Technical Education (CTE) and Liberal Arts credit hours split, as well as institution size and location. The following 14 colleges were selected as a peer comparison group for MCTC:

- Burlington County College (NJ)
- Central Piedmont Community College (NC)
- Cincinnati State Technical & Community College (OH)
- Cuyahoga Community College (OH)
- Delaware County Community College (PA)
- Jefferson Community and Technical College (KY)
- Metropolitan Community College & Penn Valley (MO)
- Moraine Valley Community College (IL)
- Nashville State Technical Community College (TN)
- Orange County Community College (NY)
- Raritan Valley Community College (NJ)
- Rockland Community College (NY)
- Trident Technical College (SC)
- Wake Technical Community College (NC)

The following fields will be reported on for each benchmark measure:

### Report Fields

Field Title	Description
Benchmark Measures	Measures selected by NCCBP to provide data on key aspects of community college outcomes and effectiveness.
MCTC Scores	Reported score for MCTC for the individual measures.
Peer Group Benchmark	Value is the median of the 14 peer groups. The median is the point where an equal number of values are above and below.
National Benchmark	Value is the median of all 188 participating community colleges.
MCTC NATL Rank	MCTC's score as a percentile rank of all participating colleges. Green indicates MCTC's score was in the top 20% of participating colleges and red indicates MCTC's score was in the bottom 20% of all participating colleges. (Specific percentile ranks are listed in the Appendix.)

## Key Findings

The following lists benchmark measures where MCTC ranks nationally in the top or bottom 20% of all participating colleges:

MCTC benchmark measures in the top 20%:

- Student persistence Fall 2006 to Spring 2007 and Fall 2006 to Fall 2007
- Graduates pursuing further education
- Percent of all enrollments resulted in successful grade outcomes for English 1111
- Online courses, a percent of all enrollments resulted in successful grade outcomes
- Student satisfaction
- Minority credit students at MCTC
- Cost per Credit Hour
- Cost per FYE Student
- Human Resources, Departure Rates

MCTC benchmark measures in the bottom 20%:

- Graduate employed in related field
- Withdrawal Rate, especially in all developmental classes and first college level English and Math
- Developmental sequence completers, first related college level courses
- Online Courses (total credits and total sections)
- Student to faculty ratio

## Institution Information

Comparing institution at benchmark measures with two groups, peer group and national

Benchmark Measures	MCTC Scores	Peer Group Benchmark	National Benchmark
IPEDES Enrollment (FT & PT)	8,316	9,452	6,237
Full-time Credit Headcount	3,324	3,890	2,624
% Transfer Credit Hours <sup>1</sup>	48%	54%	58%
% Technical/Career Credit Hours <sup>1</sup>	31%	31%	31%
% Developmental Credit Hours <sup>1</sup>	21%	15%	10%
% First-generation Student <sup>2</sup>	60%	37%	42%
Students of Color <sup>3</sup>	42%	30%	11%

<sup>1</sup> Percent of IPEDES Fall 2006 enrollment credit hours that includes full- and part-time students enrolled in courses

<sup>2</sup> Percent of Fall 2006 credit students that represent the first generation of their families to attend a higher education institution.

<sup>3</sup> Students of Color are defined as Black, non-Hispanic, American Indian or Alaskan Native, Asian or Pacific Islander, and Hispanic.

## Student Outcomes

### Persistence

Total number of credit students enrolled in courses at the end of Fall 2006 (including withdrawals) and enrolled in Spring 2007 (Next Term). The Fall to Fall is the total number of credit students enrolled at the end of Fall 2006 and that are enrolled in Fall 2007.

Benchmark Measures	MCTC Scores	Peer Group Benchmark	National Benchmark	MCTC NATL Rank
Fall to Spring	74%	69%	69%	
Fall to Fall	53%	51%	47%	

Note: Fall 2006, full and part time credit students

### Completion/Transfer

Benchmark Measures	MCTC Scores	Peer Group Benchmark	National Benchmark	MCTC NATL Rank
Completed	23%	11%	17%	
Transferred	25%	20%	18%	
Combined Completed/Transferred	48%	36%	37%	

Note: First-time, full time students enrolled in Fall 2004, which have completed a degree or certificate at MCTC or have transferred within three years. Source is IPEDS Data.

### Career and Technical Education (CTE) Graduate Employment

Benchmark Measures	MCTC Scores	Peer Group Benchmark	National Benchmark	MCTC NATL Rank
Employed in Related Field	27%	70%	68%	
Pursuing Further Education	54%	18%	18%	

Notes: All A.A. graduates are excluded. Measures are mutually exclusive. If both employed in related field and continuing education, placed as employed. Source is MnSCU Graduate Related Employment for class of 2005 - 2006

## Withdrawal Rate

Percent of all enrollments in the specified course type which resulted in withdrawal.

Course Type	MCTC Scores	Peer Group Benchmark	National Benchmark	MCTC NATL Rank
Developmental - Math	26%	20%	17%	
Developmental - Writing	20%	17%	12%	
Developmental - Reading	30%	17%	12%	
College Level - All Courses	14%	14%	11%	
College Level - English 1110	24%	13%	12%	
College Level - English 1111	14%	17%	17%	
College Level - Math 1110	35%	24%	20%	
College Level - Speech 1010	12%	13%	12%	
Distance Learning - Online	17%	19%	16%	
Institution-wide - All Courses	14%	13%	12%	

Fall 2006 Credit Courses

## Enrollee Success Rate

Percent of all enrollments in specified course type which resulted in successful grade outcomes (i.e., A, B, C, or P grades).

Course Type	MCTC Scores	Peer Group Benchmark	National Benchmark	MCTC NATL Rank
Developmental - Math	57%	52%	54%	
Developmental - Writing	66%	66%	64%	
Developmental - Reading	62%	64%	68%	
College Level - All Courses	77%	73%	74%	
College Level - English 1110	67%	67%	70%	
College Level - English 1111	79%	68%	67%	
College Level - Math 1110	53%	53%	56%	
College Level - Speech 1010	77%	75%	75%	
Distance Learning - Online	71%	62%	64%	
Institution-wide - All Courses	73%	72%	73%	

Fall 2006 Credit Courses

## Outcome in First Level College Course for Developmental Students

Due to specific interest in the outcomes of students who have completed developmental curriculum, NCCBP added a measure specific to developmental sequence completers. The data below reports on the outcomes of those students who successfully completed the highest developmental course in the end of Fall 2005 and enrolled in a related college level course within one academic year. Thus the rates reported below are the college level course outcomes for students who completed the developmental sequence.

Rate	Course Type	MCTC Scores	Peer Group Benchmark	National Benchmark	MCTC NATL Rank
Withdrawal	College Level Math	42%	20%	16%	
	College Level Writing	26%	14%	11%	
Enrollee Success	College Level Math	51%	62%	65%	
	College Level Writing	56%	66%	70%	

Notes: Course Completion Rate is percent of all enrollments in specified course type which resulted in completing the course and not withdrawing. Enrollee Success Rate is the percent of all enrollments in specified course type which resulted in successful grade outcomes (i.e., A, B, C, or P grades). Fall 2005 Cohort.

## Student Satisfaction

### American College Test Service (ACT) Student Opinion Survey (SOS)

The SOS gathers information about students' opinions and satisfaction with their college experience.

Benchmark Measures	MCTC Scores	Peer Group Benchmark	National Benchmark	MCTC NATL Rank
Choose to Attend This College <sup>1</sup>	3.9	N/A	4.0	
Overall Impression of Quality <sup>2</sup>	4.1	N/A	3.8	

Note: The Peer Group Benchmark data is not available due to the number of colleges participating in the SOS.

<sup>1</sup> Rated on a five point scale with 5 = definitely yes, 4 = probably yes, 3 = uncertain, 2 = probably no, and 1 = definitely no

<sup>2</sup> Rated on a five point scale with 5 = excellent, 4 = good, 3 = average, 2 = below average, and 1 = very inadequate.

### Community College Survey of Student Engagement (CCSSE)

The CCSSE provides information about effective educational practice in community colleges and assists institutions in using that information to promote improvements in student learning and persistence. Five benchmark scores are reported that address key areas of student engagement.

Benchmark Measures	MCTC Scores	Peer Group Benchmark	National Benchmark	MCTC NATL Rank
Active and Collaborative learning	54.1	47.0	49.8	
Student Effort	54.9	49.8	49.7	
Academic Challenge	54.5	50.2	50.0	
Student-Faculty Interaction	51.7	50.1	50.8	
Support for Learners	55.3	49.5	49.8	

Administered Spring 2007

Note: Each benchmark score is computed by averaging the scores on survey items that comprise that benchmark. To compensate for disproportionately large numbers of full-time students in the sample, all means used in the creation of the benchmark are weighted by full- and part-time status. Benchmark scores are standardized so that the weighted mean across all students is 50 and the standard deviation across all participating students is 25. Institutions' benchmark scores are computed by taking the weighted average of their students' standardized scores.

## Access & Market Penetration

### Minority Participation

Benchmark Measures	MCTC Scores	Peer Group Benchmark	National Benchmark	MCTC NATL Rank
% Minority Credit Students	42%	29%	19%	
% Minority Employees	15%	19%	11%	
Diversity of MCTC students compared to diversity of Minneapolis population <sup>1</sup>	1.4:1	1.3:1	1.1:1	
Diversity of MCTC Employees compared to diversity of Minneapolis population <sup>2</sup>	0.5:1	0.7:1	0.7:1	

Note: Minority is defined as all racial groups that are not white, non-Hispanic or race/ethnicity unknown. Source is IPEDS Fall 2006.

1 The ratio of MCTC student minority rate to Minneapolis minority population rate (42%/31.4%).

2 The ratio of MCTC employee minority rate to Minneapolis minority population rate (15%/31.4%).

### Market Penetration

Benchmark Measures	MCTC Scores	Peer Group Benchmark	National Benchmark	MCTC NATL Rank
The percent of Minneapolis population enrolled for credit at MCTC <sup>1</sup>	3.2%	3.0%	2.9%	
The percent of Minneapolis population enrolled for non-credit at MCTC <sup>2</sup>	1.3%	2.0%	1.4%	

Academic Year 2006-2007

<sup>1</sup>The ratio of unduplicated credit headcounts to Minneapolis population.

<sup>2</sup>The ratio of unduplicated non-credit headcounts to Minneapolis population.

### Online (Distance Learning)

Benchmark Measures	MCTC Scores	Peer Group Benchmark	National Benchmark	MCTC NATL Rank
% of Total Credits	3%	9%	8%	
% of Total Sections	2%	7%	8%	

Note: Online is defined as media code 03. Fall 2006 Credit Courses



## Operations Measures

### Efficiency

Benchmark Measures	MCTC Scores	Peer Group Benchmark	National Benchmark	MCTC NATL Rank
Average Credit Section Size <sup>1</sup>	22	18	19	
Cost per Credit Hour <sup>2</sup>	\$99.00	\$125.63	\$130.00	
Cost per FYE Student <sup>3</sup>	\$2,972.00	\$3,768.92	\$3,904.00	

<sup>1</sup> Fall 2006

<sup>2</sup> Total direct credit instructional expenditures / total student credits

<sup>3</sup> Total direct credit instructional expenditures / total FYE student credits

Note: Direct credit instructional expenditures include salaries, benefits, supplies, travel and equipment for all full and part time faculty, staff and other administration.

### Staffing: Student to Staff Ratios

Benchmark Measures - Ratios	MCTC Scores	Peer Group Benchmark	National Benchmark
Students Faculty Ratio	21:1	18:1	18:1
Student Services Staff - Career Services	8,304:1	2,539:1	3,189:1
Student Services Staff - Counseling and Advising	385:1	609:1	756:1
Student Services Staff - Recruitment, Admissions, Registration	923:1	799:1	847:1
Student Services Staff - Financial Aid	1,661:1	1,344:1	1,269:1
Student Services Staff - Student Activities	8,304:1	3,204:1	3,156:1
Student Services Staff - Testing & Assessment Services	8,304:1	2,611:1	2739:1

Fall 2006

Notes: The ratio of unduplicated credit headcount to 1 FTE staff in specific student service staff areas.

The MCTC NATL Rank column is not being reported because of interpretation perspective.

### Human Resources Measures

Benchmark Measures	MCTC Scores	Peer Group Benchmark	National Benchmark	MCTC NATL Rank
Retirements Rate <sup>1</sup>	1%	2%	2%	
Departures Rate <sup>1</sup>	3%	7%	5%	
Faculty/Staff Development Expenditures per FTE Employee <sup>2</sup>	\$150.00	\$286.74	\$357.00	

<sup>1</sup> Full time regular employees Academic Year 2006 - 2007

<sup>2</sup> The total centrally budgeted faculty and staff development/training expenditures / total FTE faculty + total FTE staff.

## Appendix

The table after the Field Definitions contains the complete data for the benchmark measures.

### Field Definition

Field Title	Description
Title	Title for a benchmark measure or a small group of benchmark measures.
Benchmark Measures	Measures selected by NCCBP to provide data on key aspects of community college outcomes and effectiveness.
MCTC Scores	Reported score for MCTC for the individual measures.
Peer Group Benchmark	Value is the median of the 14 peer groups. The median is the point where an equal number of values are above and below.
Peer Group N	N is the number of colleges in the Peer Group that responded to the benchmark measure.
Difference Between MCTC and Peer Group	Difference between MCTC Scores and Peer Group Benchmark value.
National Benchmark	Value is the median of all 188 participating community colleges.
MCTC NATL Rank	National rank that describes how MCTC compares to the other community colleges who participated in the NCCBP.

Title	Benchmark Measures	MCTC Scores	Peer Group Benchmark	Peer Group N	Difference Between MCTC and Peer Group	National Benchmark	MCTC NATL RANK
Persistence	Fall to Spring	74%	69%	15	5%	69%	89%
	Fall to Second Fall	53%	51%	15	2%	47%	87%
Completion/ Transferred	Completed	23%	11%	15	12%	17%	65%
	Transferred	25%	20%	12	5%	18%	80%
	Combined Completed/Transferred	48%	36%	12	12%	37%	77%
CTE Graduate Employment	Employed in Related Field	27%	70%	12	-43%	68%	1%
	Pursuing Further Education	54%	18%	12	36%	18%	96%
Withdrawal Rate	Developmental - Math*	26%	20%	15	6%	17%	18%
	Developmental - Writing*	20%	17%	13	3%	12%	20%
	Developmental - Reading*	30%	17%	14	13%	12%	1%
	College Level - All Courses*	14%	14%	15	0%	11%	30%
	College Level - English 1110*	24%	13%	15	11%	12%	5%
	College Level - English 1111*	14%	17%	15	-3%	17%	66%
	College Level - Math 1110*	35%	24%	15	11%	20%	5%
	College Level - Speech 1010*	12%	13%	15	-1%	12%	50%
	Distance Learning - Online*	17%	19%	15	-2%	16%	42%
Institution-wide - All Courses*	14%	13%	15	1%	12%	31%	

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Title	Benchmark Measures	MCTC Scores	Peer Group Benchmark	Peer Group N	Difference Between MCTC and Peer Group	National Benchmark	MCTC NATL RANK
Enrollee Success Rate	Developmental - Math	57%	52%	15	5%	54%	62%
	Developmental - Writing	66%	66%	13	0%	64%	57%
	Developmental - Reading	62%	64%	14	-2%	68%	29%
	College Level - All Courses	77%	73%	15	4%	74%	66%
	College Level - English 1110	67%	67%	15	0%	70%	32%
	College Level - English 1111	79%	68%	15	11%	67%	95%
	College Level - Math 1110	53%	53%	15	0%	56%	37%
	College Level - Speech 1010	77%	75%	15	2%	75%	63%
	Distance Learning - Online	71%	62%	15	9%	64%	82%
Institution-wide - All Courses	73%	72%	15	1%	73%	50%	
Outcome In First College Course For Developmental Students							
Withdrawal Rate	College Level Math*	42%	20%	15	22%	16%	2%
	College Level Writing*	26%	14%	14	12%	11%	5%
Enrollee Success Rate	College Level Math	51%	62%	15	-11%	65%	11%
	College Level Writing	56%	66%	14	-10%	70%	5%
ACT SOS	Choose to Attend This College	3.9	N/A	3	N/A	4.0	38%
	Overall Impression of Quality	4.1	N/A	3	N/A	3.8	84%
CCSSE	Active and Collaborative learning	54.1	47.0	9	7.10	49.8	86%
	Student Effort	54.9	49.8	9	5.10	49.7	94%
	Academic Challenge	54.5	50.2	9	4.30	50.0	92%
	Student-Faculty Interaction	51.7	50.1	9	1.60	50.8	60%
	Support for Learners	55.3	49.5	9	5.80	49.8	93%
Minority Participation	% Minority Credit Students	42%	29%	15	13%	19%	84%
	% Minority Employees	15%	19%	15	-4%	11%	66%
	Diversity of MCTC students compared to diversity of Minneapolis population	1.4:1	1.3:1	11	0.1	1.1:1	78%
	Diversity of MCTC Employees compared to diversity of Minneapolis population	0.5:1	0.7:1	12	-0.2	0.7:1	23%
Market Penetration	The percent of Minneapolis population enrolled for credit at MCTC	3.2%	3.0%	14	0%	2.9%	62%
	The percent of Minneapolis population enrolled for non-credit at MCTC	1.3%	2.0%	13	-1%	1.4%	45%
Online (Distance Learning)	% of Total Credits	3%	9%	14	-6%	8%	12%
	% of Total Sections	2%	7%	13	-5%	8%	5%
Efficiency	Average Credit Section Size	22	18	15	4	19	87%
	Cost per Credit Hour*	\$99.00	\$125.63	14	-\$26.63	\$130.00	84%
	Cost per FYE Student*	\$2,972.00	\$3,768.92	14	-\$796.92	\$3,904.00	84%



	Green- MCTC in top 20%
	Red-MCTC in bottom 20%

Title	Benchmark Measures	MCTC Scores	Peer Group Benchmark	Peer Group N	Difference Between MCTC and Peer Group	National Benchmark	MCTC NATL RANK
Staffing: Student to Staff Ratios	Students Faculty Ratio	21:1	18:1	15	3	18:1	N/A
	Student Services Staff - Career Services	8,304:1	2,539:1	14	5,765	3,189:1	N/A
	Student Services Staff - Counseling and Advising	385:1	609:1	14	-224	756:1	N/A
	Student Services Staff - Recruitment, Admissions, Registration	923:1	799:1	15	125	847:1	N/A
	Student Services Staff - Financial Aid	1,661:1	1,344:1	14	317	1,269:1	N/A
	Student Services Staff - Student Activities	8,304:1	3,204:1	13	5,100	3,156:1	N/A
	Student Services Staff - Testing & Assessment Services	8,304:1	2,611:1	14	5,694	2739:1	N/A
Human Resources Measures	Retirements Rate	1%	2%	14	-1%	2%	37%
	Departures Rate*	3%	7%	14	-4%	5%	82%
	Faculty/Staff Development Expenditures per FTE Employee*	\$150.00	\$286.74	9	-\$136.74	\$357.00	75%

\* The MCTC NATL Rank value has been reverse coded (original score subtracted from 100).

In these cases, the outcome of the benchmark measure was the reverse of what is meant (e.g., For withdrawal rates, a high number would not mean doing well therefore reverse coding is done).