

PROGRAM



**APPLYING THE
PROGRAM IMPROVEMENT
PROCESS:
NORTH STAR COLLEGE**

A MNSCU CASE STUDY

CASE STUDY

NORTH STAR COLLEGE PROFILE

North Star College is a large urban college with a total enrollment of 10,618 students. It is located in a large metropolitan area with a growing concentration of minority and low-income populations. Of the total enrollment, the college has 8,078 students enrolled in vocational education programs and courses. Of these enrollees, 2,680 students are concentrators—students completing at least 33% or more of the total credits in a certificate, degree, AS, or AAS program, and are enrolled in a Perkins eligible major.

North Star College Student Demographic Count by Gender - FY2002

	TOTAL		Men		Women		Unknown Gender	
	Count	%	Count	%	Count	%	Count	%
Ethnicity	10618	100.0%	4124	100.0%	5118	100.0%	1376	100.0%
White	4693	44.2%	2186	53.0%	2497	48.8%	10	0.7%
African American	2774	26.1%	1134	27.5%	1632	31.9%	8	0.6%
Hispanic	285	2.7%	138	3.3%	146	2.9%	1	0.1%
Asian/Pacific Islander	638	6.0%	284	6.9%	352	6.9%	2	0.1%
Native American/Alaskan	189	1.8%	75	1.8%	113	2.2%	1	0.1%
Ethnicity Not Given	2039	19.2%	307	7.4%	378	7.4%	1354	98.4%
Special Population	10618	100.0%	4124	100.0%	5118	100.0%	1376	100.0%
Academically Disadvantaged	2609	24.6%	1110	26.9%	1431	28.0%	68	4.9%
Limited English	889	8.4%	432	10.5%	444	8.7%	13	0.9%
Single Parent	594	5.6%	153	3.7%	424	8.3%	17	1.2%
Displaced Homemaker	22	0.2%	6	0.1%	16	0.3%	0	0.0%
Disability	392	3.7%	172	4.2%	191	3.7%	29	2.1%
Economically Disadvantaged	3542	33.4%	1358	32.9%	2034	39.7%	150	10.9%
Pell Recipients	1978	18.6%	733	17.8%	1172	22.9%	73	5.3%
Study Area	10618	100.0%	4124	100.0%	5118	100.0%	1376	100.0%
Career and Technical Education Majors	5655	53.3%	2353	57.1%	2657	51.9%	645	46.9%
Liberal Arts and General Education Majors	3388	31.9%	1386	33.6%	1747	34.1%	255	18.5%

Not Defined or Unknown	1575	14.8%	385	9.3%	714	14.0%	476	34.6%
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North Star College Student Demographic Count by Gender - FY2002 (cont)

	TOTAL		Men		Women		Unknown Gender	
	Count	%	Count	%	Count	%	Count	%
Degree Intent	10618	100.0%	4124	100.0%	5118	100.0%	1376	100.0%
Certificate	731	6.9%	111	2.7%	330	6.4%	290	21.1%
Diploma	1514	14.3%	635	15.4%	767	15.0%	112	8.1%
Associate Degree	7314	68.9%	3126	75.8%	3621	70.8%	567	41.2%
Unknown or Not Defined	1059	10.0%	0	0.0%	0	0.0%	0	0.0%
Perkins Eligible Student	10618	100.0%	4124	100.0%	5118	100.0%	1376	100.0%
Not Perkins or Status Unknown	2540	23.9%	951	23.1%	1258	24.6%	331	24.1%
Perkins Eligible Student	8078	76.1%	3173	76.9%	3860	75.4%	1045	75.9%
Perkins Status	10618	100.0%	4124	100.0%	5118	100.0%	1376	100.0%
Participant	4768	44.9%	1839	44.6%	2248	43.9%	681	49.5%
Concentrator	2680	25.2%	1076	26.1%	1348	26.3%	256	18.6%
Completer	630	5.9%	258	6.3%	264	5.2%	108	7.8%
Career and Technical Education Clusters	5655	5.9%	2353	100.0%	2657	100.0%	645	100.0%
Agriculture/Natural Resources	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Architecture and Construction	176	3.1%	157	6.7%	5	0.2%	14	2.2%
Manufacturing	293	5.2%	169	7.2%	83	3.1%	41	6.4%
Transportation, Distribution, and Logistics	480	8.5%	206	8.8%	27	1.0%	247	38.3%
Information Technology	675	11.9%	457	19.4%	163	6.1%	55	8.5%
Retail and Wholesale Sales and Service	396	7.0%	106	4.5%	244	9.2%	46	7.1%
Finance and Insurance	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Hospitality and Tourism	66	1.2%	34	1.4%	28	1.1%	4	0.6%
Business and Administration	710	12.6%	232	9.9%	443	16.7%	35	5.4%
Health Science	1009	17.8%	173	7.4%	791	29.8%	45	7.0%
Human Service	517	9.1%	104	4.4%	372	14.0%	41	6.4%
Arts, A/V Technology and Communication	862	15.2%	436	18.5%	330	12.4%	96	14.9%
Law and Public Safety	471	8.3%	279	11.9%	171	6.4%	21	3.3%
Scientific Research/Engineering	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Education and Training	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Government and Public Administration	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Perkins-Eligible Degree Awarded	630	0.0%	258	100.0%	264	100.0%	108	100.0%
Certificate	242	38.4%	95	36.8%	55	20.8%	92	85.2%
Diploma	139	22.1%	74	28.7%	58	22.0%	7	6.5%
Associate Degree	249	39.5%	89	34.5%	153	58.0%	9	8.3%

North Star College Student Demographic Count by Ethnicity - FY2002

	Total		White		African American		Hispanic		Asian or Pacific Islander		Native American/Alaskan		Ethnicity Not Given	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
Gender	10618	100.0%	4693	100.0%	2744	100.0%	285	100.0%	638	100.0%	189	100.0%	2039	100.0%
Men	4124	38.8%	2186	46.6%	1134	41.3%	138	48.4%	284	44.5%	75	39.7%	307	15.1%
Women	5118	48.2%	2497	53.2%	1632	59.5%	146	51.2%	352	55.2%	113	59.8%	378	18.5%
Unknown Gender	1376	13.0%	10	0.2%	8	0.3%	1	0.4%	2	0.3%	1	0.5%	1354	66.4%
Special Population	10618	100.0%	4693	100.0%	2744	100.0%	285	100.0%	638	100.0%	189	100.0%	2039	100.0%
Academically Disadvantaged	2609	24.6%	886	26.9%	1097	28.0%	92	4.9%	212	24.6%	70	26.9%	252	28.0%
Limited English	889	8.4%	92	10.5%	423	8.7%	55	0.9%	211	8.4%	2	10.5%	106	8.7%
Single Parent	594	5.6%	191	3.7%	291	8.3%	21	1.2%	16	5.6%	28	3.7%	47	8.3%
Displaced Homemaker	22	0.2%	10	0.1%	7	0.3%	1	0.0%	0	0.2%	4	0.1%	0	0.3%
Disability	392	3.7%	218	4.2%	93	3.7%	12	2.1%	9	3.7%	10	4.2%	50	3.7%
Economically Disadvantaged	3542	33.4%	1191	32.9%	1462	39.7%	108	10.9%	275	33.4%	133	32.9%	373	39.7%
Pell Recipients	1978	18.6%	607	17.8%	903	22.9%	60	5.3%	141	18.6%	83	17.8%	184	22.9%
Career and Technical Education Clusters	5655	100.0%	2584	100.0%	1545	100.0%	154	100.0%	308	100.0%	117	100.0%	947	100.0%
Agriculture/Natural Resources	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Architecture and Construction	176	3.1%	126	6.7%	22	0.2%	4	2.2%	1	3.1%	3	6.7%	20	0.2%
Manufacturing	293	5.2%	158	7.2%	33	3.1%	10	6.4%	20	5.2%	10	7.2%	62	3.1%
Transportation, Distribution, and Logistics	480	8.5%	154	8.8%	40	1.0%	12	38.3%	10	8.5%	4	8.8%	260	1.0%
Information Technology	675	11.9%	228	19.4%	251	6.1%	20	8.5%	64	11.9%	12	19.4%	100	6.1%
Retail and Wholesale Sales and Service	396	7.0%	152	4.5%	145	9.2%	6	7.1%	24	7.0%	3	4.5%	66	9.2%
Finance and Insurance	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Hospitality and Tourism	66	1.2%	25	1.4%	19	1.1%	2	0.6%	4	1.2%	1	1.4%	15	1.1%
Business and Administration	710	12.6%	217	9.9%	304	16.7%	24	5.4%	53	12.6%	27	9.9%	85	16.7%
Health Science	1009	17.8%	395	7.4%	419	29.8%	28	7.0%	52	17.8%	14	7.4%	101	29.8%
Human Service	517	9.1%	215	4.4%	177	14.0%	12	6.4%	23	9.1%	17	4.4%	73	14.0%
Arts, A/V Technology and Communication	862	15.2%	565	18.5%	77	12.4%	25	14.9%	39	15.2%	16	18.5%	140	12.4%
Law and Public Safety	471	8.3%	349	11.9%	58	6.4%	11	3.3%	18	8.3%	10	11.9%	25	6.4%
Scientific Research/Engineering	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%

Education and Training	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Government and Public Administration	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%

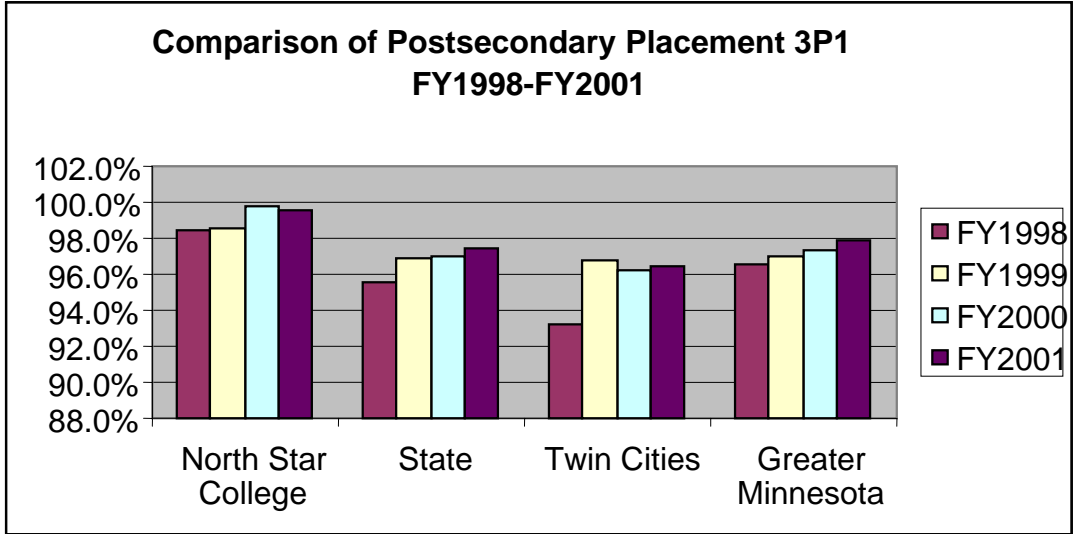
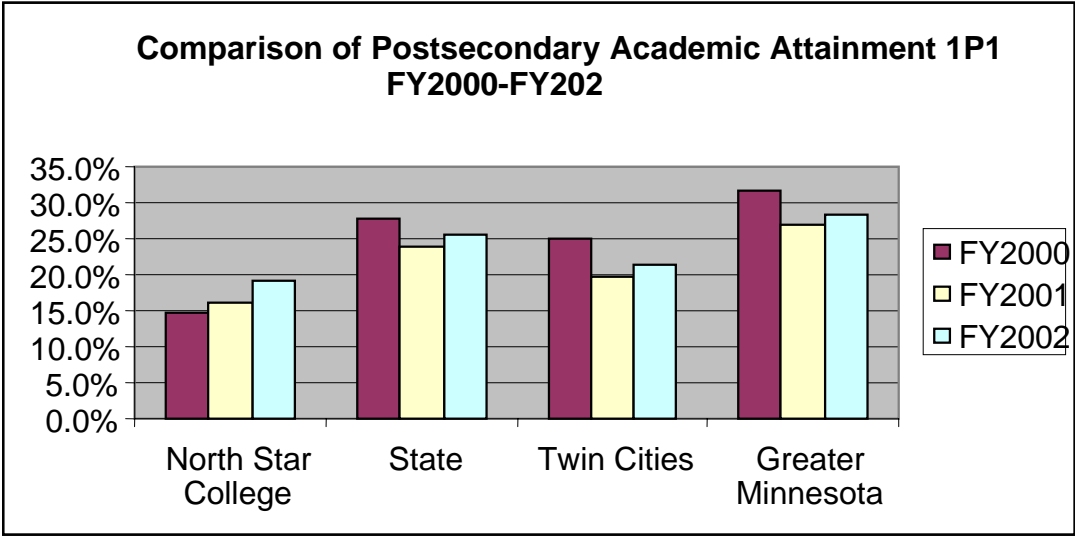
Table 1: North Star College Performance on Core Indicators: FY1998-FY2002

		North Star College			State Performance Target	North Star College vs. State Performance Target Difference	Exceed State Performance Target
		Number in Numerator	Number in Denominator	Performance			
Core Indicator	Year	NUM	DEN	P	T	D	
1P1: Academic Attainment	FY2000	333	2269	14.68%	19.29%	-4.61%	NO
	FY2001	375	2338	16.04%	19.79%	-3.75%	NO
	FY2002	630	3310	19.03%	22.00%	-2.97%	NO
3P1: Placement	FY1998	517	525	98.48%	82.55%	15.93%	YES
	FY1999	535	543	98.53%	82.55%	15.98%	YES
	FY2000	528	529	99.81%	82.55%	17.26%	YES
	FY2001	451	453	99.56%	83.55%	16.01%	YES
4P1: Participation in Non-Traditional Programs	FY2000	663	3223	20.57%	20.66%	-0.09%	NO
	FY2001	790	3469	22.77%	20.80%	1.97%	YES
	FY2002	1369	4666	29.34%	20.80%	8.54%	YES
4P2: Completion in Non-Traditional Programs	FY2000	75	323	23.22%	13.70%	9.52%	YES
	FY2001	91	346	26.30%	14.20%	12.10%	YES
	FY2002	136	564	24.11%	14.20%	9.91%	YES

Table 2: North Star College Performance on Core Indicators Relative to State, Twin Cities, and Greater Minnesota:

FY1998-FY2002

Core Indicator	Year	North Star College	State	Twin Cities	Greater Minnesota
1P1: Academic Attainment (Target is 19.79% in FY2001 and 22.00% in FY2002)	FY2000	14.68%	27.90%	24.92%	31.70%
	FY2001	16.04%	23.98%	19.73%	27.04%
	FY2002	19.03%	25.46%	21.33%	28.37%
3P1: Placement (FY2000 Target is 82.55% and FY2001 Target is 83.55%)	FY1998	98.48%	95.61%	93.25%	96.50%
	FY1999	98.53%	96.91%	96.75%	96.97%
	FY2000	99.81%	97.05%	96.24%	97.33%
	FY2001	99.56%	97.41%	96.41%	97.92%
4P1: Participation in Non-Traditional Programs (Target is 20.80% for both FY2001 and FY2002)	FY2000	20.57%	23.00%	26.01%	19.82%
	FY2001	22.77%	23.00%	26.01%	19.82%
	FY2002	29.34%	22.81%	26.33%	19.52%
4P2: Completion in Non-Traditional Programs (Target is 14.20% for both FY2001 and FY2002)	FY2000	23.22%	13.92%	17.01%	11.56%
	FY2001	26.30%	15.51%	19.55%	13.31%
	FY2002	24.11%	17.06%	21.21%	13.76%



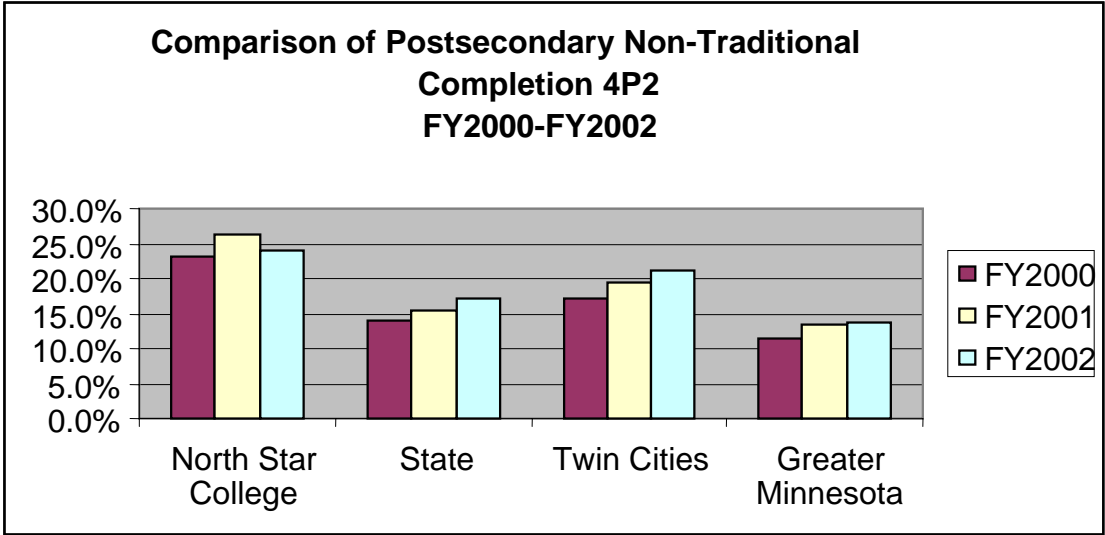
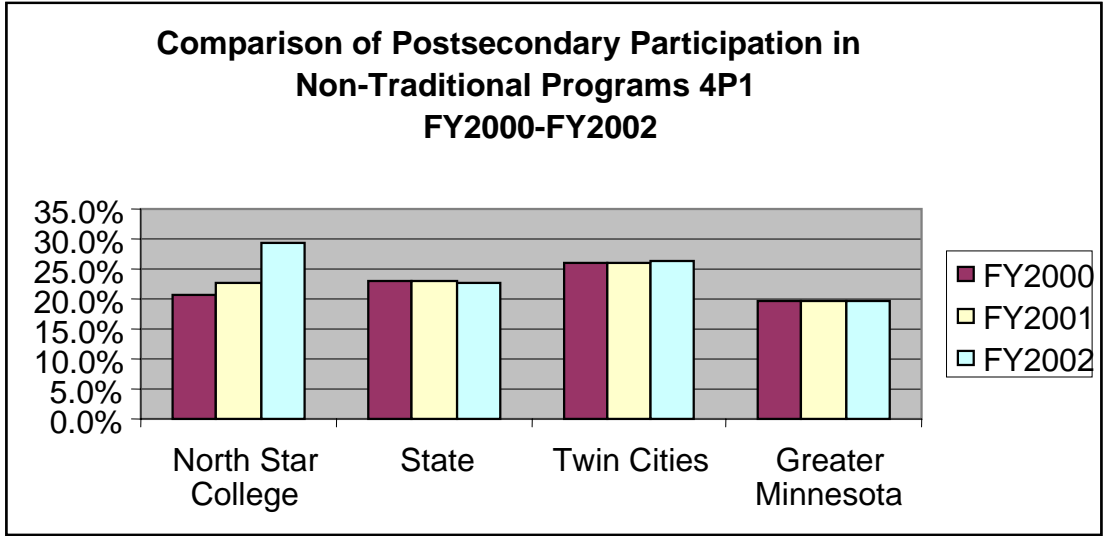
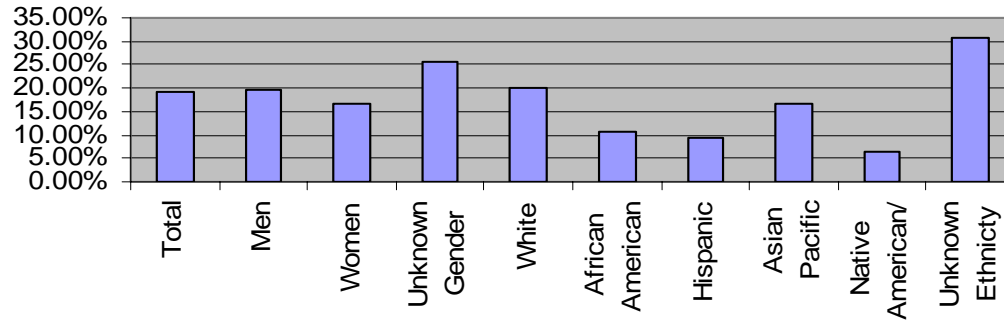


Table 3: North Star College Performance on Core Indicators: Gender and Ethnicity FY2002

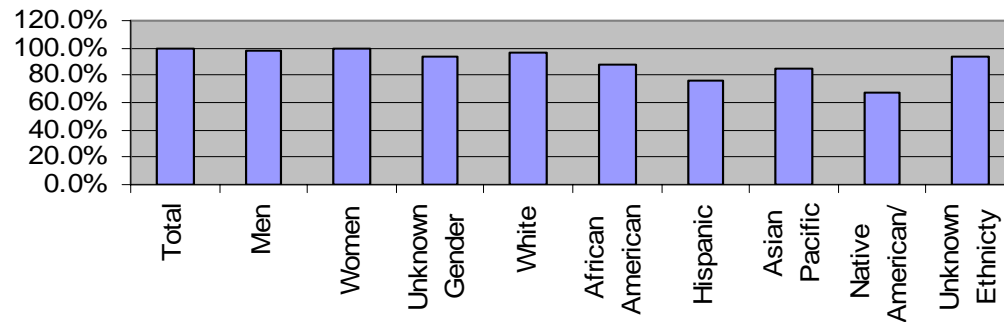
Core Indicator		Total	Men	Women	Unknown Gender	White	African American	Hispanic	Asian Pacific	Native American/ Alaskan	Unknown Ethnicity
1P1: Academic Attainment (Target is 22.00%)	N	630	258	264	108	347	78	7	33	4	161
	D	3310	1306	1580	424	1729	721	73	200	64	523
	P	19.03%	19.75%	16.71%	25.47%	20.07%	10.82%	9.59%	16.50%	6.25%	30.78%
	State Performance	%	26.58%	26.49%	26.64%	28.15%	27.79%	18.88%	20.70%	22.86%	22.50%
3P1: Placement (Target is 83.55%)^a	N	451	183	189	72	365	28	13	16	2	16
	D	453	186	190	77	377	32	17	19	3	17
	P	99.56%	98.64%	99.56%	93.51%	96.82%	87.50%	76.47%	84.21%	66.67%	94.12%
	State Performance	%	97.41%	97.20%	97.30%	99.70%	97.70%	92.30%	93.40%	91.50%	94.80%
4P1: Participation in Non-Traditional Programs (Target is 20.80%)	N	1369	875	494	0	634	488	46	88	26	87
	D	4666	1897	2178	591	1943	1405	128	256	91	843
	P	29.34%	46.13%	22.68%	0.00%	32.63%	34.73%	35.94%	34.38%	28.57%	10.32%
	State Performance	%	23.11%	32.17%	15.13%	0.12%	21.80%	33.77%	25.16%	31.21%	23.79%
4P2: Completion in Non-Traditional Programs (Target is 14.20%)	N	136	76	45	15	94	25	5	7	4	1
	D	564	220	199	145	331	68	8	23	4	130
	P	24.11%	34.55%	22.61%	10.34%	28.40%	36.76%	62.50%	30.43%	100.00%	0.77%
	State Performance	%	17.06%	22.41%	12.02%	0.00%	16.41%	30.03%	15.70%	26.79%	21.62%

a: Placement Data is Derived for FY2001

**Academic Attainment (1P1) of North Star by Gender and Ethnicity
FY2002**



**Placement (3P1) of North Star College by Gender and Ethnicity
FY2002**



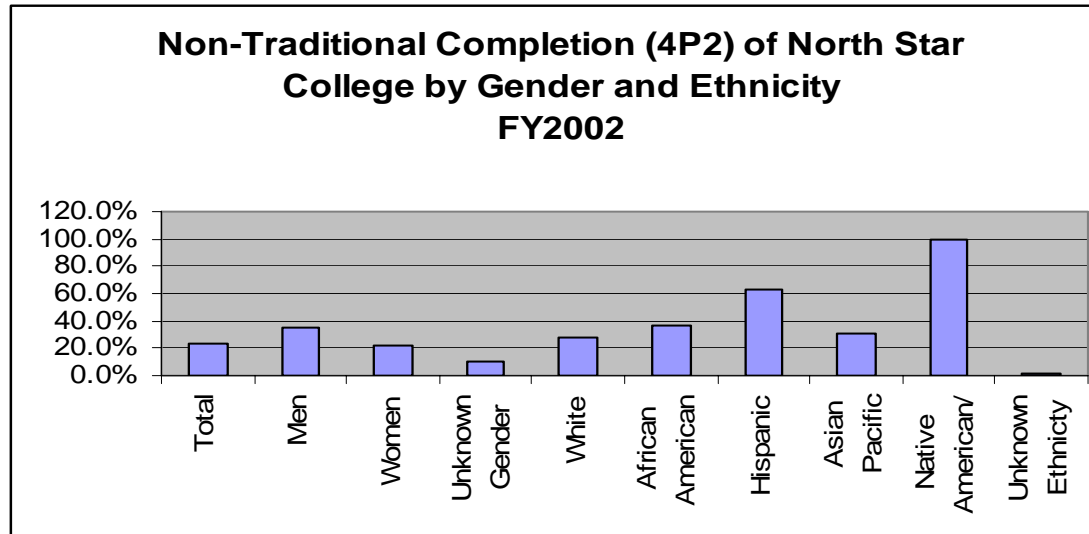
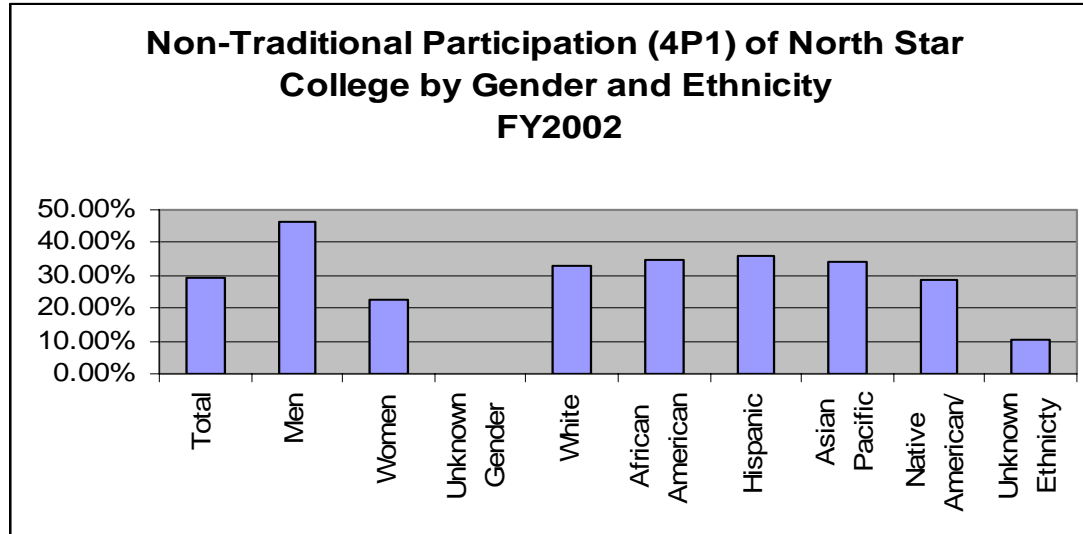


Table 4: North Star College Performance on Core Indicators: Special Populations FY2002

Core Indicator		Total	Academically Disadvantaged	Limited English	Single Parent	Displaced Homemaker	Disability	Economically Disadvantaged	Pell Recipients
1P1: Academic Attainment (Target is 22.00%)	N	630	141	49	44	5	20	162	145
	D	3310	1371	505	399	28	137	1202	1088
	P	19.03%	10.28%	9.70%	11.03%	17.86%	14.60%	13.48%	13.33%
	State Performance	%	26.58%	18.98%	12.36%	21.17%	24.90%	20.53%	26.61%
3P1: Placement (Target is 83.55%)^a	N	451	101	35	7	4	14	116	104
	D	453	188	69	55	4	19	165	149
	P	99.56%	53.80%	50.75%	12.82%	93.41%	76.36%	70.50%	69.71%
	State Performance	%	97.41%	76.11%	49.79%	85.29%	100.00%	82.70%	88.52%
4P1: Participation in Non-Traditional Programs (Target is 20.80%)	N	1369	668	305	116	4	60	534	499
	D	4666	2012	766	477	18	174	1788	1653
	P	29.34%	33.20%	39.82%	24.32%	22.22%	34.48%	29.87%	30.19%
	State Performance	%	23.11%	23.32%	36.01%	17.87%	18.91	24.38%	20.66%
4P2: Completion in Non-Traditional Programs (Target is 14.20%)	N	136	33	21	9	1	4	35	32
	D	564	120	42	40	2	16	139	125
	P	24.11%	27.50%	50.00%	22.50%	50.00%	25.00%	25.18%	25.60%
	State Performance	%	17.06%	12.33%	37.39%	12.83%	17.53%	14.24%	14.03%

a: Placement Data is Derived for FY2001

Table 5: North Star College Performance on Core Indicators: Career Clusters FY2002

Core Indicator		Total	Agriculture/ Natural Re- sources	Architecture and Con- struction	Manufacturing	Transportation, Distribution, and Logistics	Information Technology	Retail and Wholesale Sales and Service	Finance and Insur- ance	Hospitality and Tourism
1P1: Academic Attainment (Target is 22.00%)	N	630	0	41	21	85	48	17	0	4
	D	3310	0	120	184	252	402	241	0	31
	P	19.03%	#DIV/0!	34.17%	11.41%	33.73%	11.94%	7.05%	#DIV/0!	12.90%
State Perform- ance	%	26.58%	14.91%	33.98%	32.16%	33.53%	19.46%	28.44%	29.00%	31.85%
3P1: Placement (Target is 83.55%)^a	N	451	0	39	24	108	27	14	0	11
	D	453	0	39	24	109	27	14	0	11
	P	99.56%	#DIV/0!	100.00%	100.00%	99.01%	97.96%	99.65%	#DIV/0!	100.00%
State Perform- ance	%	97.41%	#DIV/0!	99.21%	97.32%	97.34%	95.68%	97.16%	#DIV/0!	96.60%
4P1: Participation in Non-Traditional Programs (Target is 20.80%)	N	1369	0	5	83	27	458	109	0	0
	D	4666	0	176	294	480	675	392	0	2
	P	29.34%	#DIV/0!	2.84%	28.23%	5.63%	67.85%	27.81%	#DIV/0!	0.00%
State Perform- ance	%	23.11%	19.05%	5.43%	18.18%	6.16%	68.67%	9.60%	42.86%	35.45%
4P2: Completion in Non-Traditional Programs (Target is 14.20%)	N	136	0	1	7	3	38	4	0	0
	D	564	0	41	20	97	48	17	0	0
	P	24.11%	#DIV/0!	2.44%	35.00%	3.09%	79.17%	23.53%	#DIV/0!	#DIV/0!
State Perform- ance	%	17.06%	18.18%	3.25%	12.93%	5.41%	66.16%	6.18%	41.38%	23.81%

a: Placement Data is Derived for FY2001

Table 5 (cont): North Star College Performance on Core Indicators: Career Clusters FY2002

Core Indicator		Total	Business and Administration	Health Science	Human Service	Arts, A/V Technology and Communication	Law and Public Safety	Scientific Research/ Engineering	Education and Training	Government and Public Administration
1P1: Academic Attainment (Target is 22.00%)	N	630	38	126	34	29	114	0	0	0
	D	3310	159	633	271	539	207	0	0	0
	P	19.03%	23.90%	19.91%	12.55%	5.38%	55.07%	#DIV/0!	#DIV/0!	#DIV/0!
	State Performance	%	26.58%	23.17%	26.70%	21.94%	21.67%	23.37%	26.01%	54.24%
3P1: Placement (Target is 83.55%)^a	N	451	11	115	36	18	48	0	0	0
	D	453	11	115	36	18	48	0	0	0
	P	99.56%	98.52%	100.00%	100.00%	99.11%	98.81%	#DIV/0!	#DIV/0!	#DIV/0!
	State Performance	%	97.41%	97.09%	97.38%	97.09%	96.23%	94.84%	#DIV/0!	#DIV/0!
4P1: Participation in Non-Traditional Programs (Target is 20.80%)	N	1369	223	172	73	35	149	0	0	0
	D	4666	710	1009	345	71	446	0	0	0
	P	29.34%	31.41%	17.05%	21.16%	49.30%	33.41%	#DIV/0!	#DIV/0!	#DIV/0!
	State Performance	%	23.11%	25.43%	12.97%	10.32%	45.48%	24.5	18.58%	3.70%
4P2: Completion in Non-Traditional Programs (Target is 14.20%)	N	136	7	25	6	1	27	0	0	0
	D	564	39	127	21	3	112	0	0	0
	P	24.11%	17.95%	19.69%	28.57%	33.33%	24.11%	#DIV/0!	#DIV/0!	#DIV/0!
	State Performance	%	17.06%	15.78%	10.48%	7.36%	54.84%	20.13%	17.97%	3.13%

a: Placement Data is Derived for FY2001

Table 6: North Star College Performance on Core Indicators: Degree Intent FY2002

Core Indicator		Total	Degree Intent is Certificate	Degree Intent is Diploma	Degree Intent is Associate Degree
1P1: Academic Attainment (Target is 22.00%)	N	630	87	134	389
	D	3310	161	943	2185
	P	19.03%	54.04%	14.21%	54.04%
	State Performance	%	26.58%	30.93%	29.39%
3P1: Placement (Target is 85.00%)^a	N	418	1085	4572	3264
	D	451	1247	5035	3630
	P	92.68%	87.01%	90.80%	89.92%
	State Performance	%	97.41%	96.90%	98.51%
4P1: Participation in Non-Traditional Programs (Target is 20.80%)	N	1369	25	279	1063
	D	4666	318	1409	2918
	P	29.34%	7.86%	19.80%	7.86%
	State Performance	%	23.11%	19.81%	13.97%
4P2: Completion in Non-Traditional Programs (Target is 14.20%)	N	136	2	21	111
	D	564	86	126	333
	P	24.11%	2.33%	16.67%	33.33%
	State Performance	%	17.06%	20.45%	8.91%

a: Placement Data is for FY2000; based on awards received

Appendix A: State Measure Definitions

1P1—Academic Attainment

Measurement Approach: Program Completion

Numerator: Total number of completers – completed a Perkins eligible program – in a given fiscal year

Denominator: Total number of concentrators – completed at least 33% of the required credits, and enrolled in a Perkins eligible program - in a given fiscal year

3P1—Placement

Measurement Approach: Placement in the Workforce

Numerator:

Denominator:

4P1—Participation in Non-Traditional Programs

Measurement Approach: Participation in under-represented non-traditional program.

Numerator: Total number of students in underrepresented gender programs who participated in a non-traditional programs in a given fiscal year.

Denominator: Total number of students who participated in non-traditional programs in a given fiscal year.

4P2—Completion of Non-Traditional Programs

Measurement Approach: Completion in under-represented non-traditional program.

Numerator: Total number of students in underrepresented gender programs who completed a non-traditional program in a given fiscal year.

Denominator: Total number of students who completed a non-traditional program in a given fiscal year.