



# Graduation Taskforce: Career and Technical Program Graduates

February 17, 2010

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Addendum May 4, 2010

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## Defining the Career and Technical Cohorts

Students were selected who graduated between fiscal year 2007 to 2009 with a credential or award in a Career or Technical (CTE) Program at MCTC.

To reach an unduplicated list of graduates (many students earn multiple awards: see Table 1, Table 2 and Table 3), each graduate was aggregated using a “primary degree”. This is defined as the highest-level award earned at MCTC. E.g., if a student earned an Associates-Level degree and a certificate, the Associates degree was the designated “primary degree” (See Appendix: Table 1 for list of all Programs and SUBJ Codes attached to each Area of Study).

Graduates were also grouped by an “Area of Study”. Programs are grouped in career cluster areas (e.g., Business careers) which contain two or more related CTE programs. Only students who graduated with an award in a CTE program were considered.

Due to the disparity in Health Careers awards, these were split into two groups: Long-term careers, which require 12 or more credit hours, and short-term careers, which require fewer than 12 credit hours. The short-term health awards are: Central Services Technician (CSIP), Nursing Assistant/Home Health Aide (NAHA), Extended Nursing Assistant/Home Health Aide (NAHA), and Community Health Worker (CMHW). These awards are, by definition, only certificates.

### Table 1: Overall CTE Graduate Cohort and Awards

This table shows the unique number of graduates in CTE programs between FY07 and FY09. Also included is the number of awards. The difference between the two numbers represents the affect of students earning multiple awards. The highest number of awards by a single student each fiscal year was 6 awards.

FY	Grads	Awards	Average # of Awards
2007	1269	1470	1.16
2008	1162	1362	1.17
2009	1045	1162	1.11
<b>Total</b>	<b>3476</b>	<b>3994</b>	<b>1.15</b>

**Table 2: CTE Graduate Cohort and Degrees by Area of Study**

Area Of Study	FY	Grads	Awards
Aviation Careers	2007	44	45
	2008	83	109
	2009	63	70
Business Careers	2007	74	94
	2008	53	62
	2009	66	98
Health Careers Long-Term	2007	174	250
	2008	225	306
	2009	199	231
Health Careers Short-Term	2007	479	490
	2008	322	338
	2009	187	190
Information Technology Careers	2007	25	60
	2008	18	46
	2009	20	39
Manufacturing and Applied Technology	2007	74	76
	2008	62	64
	2009	65	65
Media Arts	2007	57	62
	2008	66	71
	2009	80	87
Public Safety Careers	2007	219	220
	2008	248	260
	2009	242	244
Public Service Careers	2007	70	84
	2008	51	58
	2009	81	90
Service Industry Careers	2007	53	89
	2008	34	48
	2009	42	48

**Table 3: CTE Graduate Cohort by Number of Awards**

This table shows the distribution of graduates by the number of awards earned while at MCTC.

Area Of Study	FY	Cohort N	1		2		3 or more	
			N	%	N	%	N	%
Aviation Careers	2007	44	43	97.7%	1	2.3%	0	0.0%
	2008	83	69	83.1%	5	6.0%	9	10.8%
	2009	63	60	95.2%	2	3.2%	1	1.6%
Business Careers	2007	74	64	86.5%	6	8.1%	4	5.4%
	2008	53	47	88.7%	5	9.4%	1	1.9%
	2009	66	50	75.8%	11	16.7%	5	7.6%
Health Careers Long-Term	2007	174	98	56.3%	76	43.7%	0	0.0%
	2008	225	145	64.4%	79	35.1%	1	0.4%
	2009	199	167	83.9%	32	16.1%	0	0.0%
Health Careers Short-Term	2007	479	468	97.7%	11	2.3%	0	0.0%
	2008	322	311	96.6%	9	2.8%	2	0.6%
	2009	187	184	98.4%	3	1.6%	0	0.0%
Information Technology Careers	2007	25	13	52.0%	2	8.0%	10	40.0%
	2008	18	8	44.4%		0.0%	10	55.6%
	2009	20	10	50.0%	5	25.0%	5	25.0%
Manufacturing/Applied Technology	2007	74	72	97.3%	2	2.7%	0	0.0%
	2008	62	60	96.8%	2	3.2%	0	0.0%
	2009	65	65	100.0%		0.0%	0	0.0%
Media Arts	2007	57	52	91.2%	5	8.8%	0	0.0%
	2008	66	61	92.4%	5	7.6%	0	0.0%
	2009	80	74	92.5%	5	6.3%	1	1.3%
Public Safety Careers	2007	219	218	99.5%	1	0.5%	0	0.0%
	2008	248	238	96.0%	8	3.2%	2	0.8%
	2009	242	240	99.2%	2	0.8%	0	0.0%
Public Service Careers	2007	70	56	80.0%	14	20.0%	0	0.0%
	2008	51	44	86.3%	7	13.7%	0	0.0%
	2009	81	72	88.9%	9	11.1%	0	0.0%
Service Industry Careers	2007	53	34	64.2%	10	18.9%	9	17.0%
	2008	34	21	61.8%	12	35.3%	1	2.9%
	2009	42	36	85.7%	6	14.3%	0	0.0%

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**Table 4: CTE Graduate Cohort by Award Type**

This table shows the distribution of “primary degrees” at each award level for CTE graduates. Some programs do not offer awards at certain levels. Health Careers Short-Term, for example, is by definition, only certificate-level awards.

Area of Study	FY	Cohort N	Associates		Diplomas		Certificates	
			N	%	N	%	N	%
Aviation Careers	2007	44	44	100.0%	0	0.0%	0	0.0%
	2008	83	59	71.1%	0	0.0%	24	28.9%
	2009	63	52	82.5%	0	0.0%	11	17.5%
Business Careers	2007	74	53	71.6%	12	16.2%	9	12.2%
	2008	53	41	77.4%	6	11.3%	6	11.3%
	2009	66	45	68.2%	10	15.2%	11	16.7%
Health Careers Long-Term	2007	174	59	33.9%	111	63.8%	4	2.3%
	2008	225	95	42.2%	121	53.8%	9	4.0%
	2009	199	71	35.7%	111	55.8%	17	8.5%
Health Careers Short-Term	2007	479	<i>Degree level excluded by definition*</i>				479	100.0%
	2008	322	<i>Degree level excluded by definition*</i>				322	100.0%
	2009	187	<i>Degree level excluded by definition*</i>				187	100.0%
Information Technology Careers	2007	25	11	44.0%	3	12.0%	11	44.0%
	2008	18	7	38.9%	3	16.7%	8	44.4%
	2009	20	10	50.0%	2	10.0%	8	40.0%
Manufacturing/Applied Technology	2007	74	16	21.6%	52	70.3%	6	8.1%
	2008	62	10	16.1%	50	80.6%	2	3.2%
	2009	65	12	18.5%	26	40.0%	27	41.5%
Media Arts	2007	57	49	86.0%	3	5.3%	5	8.8%
	2008	66	60	90.9%	2	3.0%	4	6.1%
	2009	80	75	93.8%	2	2.5%	3	3.8%
Public Safety Careers	2007	219	14	6.4%	0	0.0%	205	93.6%
	2008	248	11	4.4%	0	0.0%	237	95.6%
	2009	242	30	12.4%	0	0.0%	212	87.6%
Public Service Careers	2007	70	40	57.1%	17	24.3%	13	18.6%
	2008	51	31	60.8%	13	25.5%	7	13.7%
	2009	81	31	38.3%	16	19.8%	34	42.0%
Service Industry Careers	2007	53	3	5.7%	27	50.9%	23	43.4%
	2008	34	4	11.8%	17	50.0%	13	38.2%
	2009	42	11	26.2%	19	45.2%	12	28.6%

## CTE Graduate Cohort Demographics

The following tables show the ethnicity and gender breakdowns for the CTE Graduate Cohort. To provide additional context, distributions for Fall-entering cohorts during the same period (FY07 to FY09 are provided).

**Table 5: CTE Programs by Ethnicity from FY07 to FY09**

Area of Study	Cohort N	American Indian		Asian		Black		Hispanic		Pacific Islander		White		International Student		Unknown	
		N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Aviation Careers	190	0	0.0%	5	2.6%	6	3.2%	4	2.1%	0	0.0%	169	88.9%	1	0.5%	5	2.6%
Business Careers	193	7	3.6%	22	11.4%	53	27.5%	16	8.3%	0	0.0%	82	42.5%	11	5.7%	2	1.0%
Health Careers Long-Term	598	5	0.8%	40	6.7%	157	26.3%	11	1.8%	3	0.5%	344	57.5%	30	5.0%	8	1.3%
Health Careers Short-Term	988	15	1.5%	86	8.7%	345	34.9%	42	4.3%	4	0.4%	444	44.9%	30	3.0%	22	2.2%
Information Technology	63	1	1.6%	2	3.2%	9	14.3%	2	3.2%	0	0.0%	47	74.6%	2	3.2%	0	0.0%
Manufacturing/Applied Tech	201	6	3.0%	4	2.0%	18	9.0%	9	4.5%	0	0.0%	157	78.1%	3	1.5%	4	2.0%
Media Arts	203	1	0.5%	11	5.4%	9	4.4%	7	3.4%	0	0.0%	169	83.3%	2	1.0%	4	2.0%
Public Safety Careers	709	9	1.3%	42	5.9%	39	5.5%	17	2.4%	0	0.0%	597	84.2%	0	0.0%	5	0.7%
Public Service Careers	202	6	3.0%	7	3.5%	102	50.5%	9	4.5%	0	0.0%	71	35.1%	5	2.5%	2	1.0%
Service Industry Careers	129	2	1.6%	10	7.8%	24	18.6%	3	2.3%	0	0.0%	87	67.4%	0	0.0%	3	2.3%
<b>Total</b>	<b>3476</b>	<b>52</b>	<b>1.5%</b>	<b>229</b>	<b>6.6%</b>	<b>762</b>	<b>21.9%</b>	<b>120</b>	<b>3.5%</b>	<b>7</b>	<b>0.2%</b>	<b>2167</b>	<b>62.3%</b>	<b>84</b>	<b>2.4%</b>	<b>55</b>	<b>1.6%</b>

**Table 6: Fall Entering Cohort Ethnicity Breakdown from FY07 to FY09**

Entering Term	Cohort N	American Indian		Asian or Pacific Islander		Black or African American		Hispanic or Latino		White		International Student		Unknown	
		N	%	N	%	N	%	N	%	N	%	N	%	N	%
Fall 2004	3,172	74	2.3%	226	7.1%	950	29.9%	135	4.3%	1,710	53.9%	44	1.4%	33	1.0%
Fall 2005	3,437	82	2.4%	226	6.6%	954	27.8%	144	4.2%	1,904	55.4%	47	1.4%	80	2.3%
Fall 2006	3,585	88	2.5%	236	6.6%	1,001	27.9%	189	5.3%	1,974	55.1%	52	1.5%	45	1.3%
<b>Total</b>	<b>10,194</b>	<b>244</b>	<b>2.4%</b>	<b>688</b>	<b>6.7%</b>	<b>2,905</b>	<b>28.5%</b>	<b>468</b>	<b>4.6%</b>	<b>5,588</b>	<b>54.8%</b>	<b>143</b>	<b>1.4%</b>	<b>158</b>	<b>1.5%</b>

**Table 7: CTE Cohort by Gender**

See the following page for comparison table.

Area Of Study	FY	Cohort N	Female		Male		Unknown	
			N	%	N	%	N	%
Aviation Careers	2007	44	12	27.3%	32	72.7%	0	0.0%
	2008	83	9	10.8%	74	89.2%	0	0.0%
	2009	63	8	12.7%	55	87.3%	0	0.0%
Business Careers	2007	74	42	56.8%	32	43.2%	0	0.0%
	2008	53	33	62.3%	19	35.8%	1	1.9%
	2009	66	40	60.6%	26	39.4%	0	0.0%
Health Careers Long-Term	2007	174	141	81.0%	33	19.0%	0	0.0%
	2008	225	181	80.4%	43	19.1%	1	0.4%
	2009	199	149	74.9%	50	25.1%	0	0.0%
Health Careers Short-Term	2007	479	372	77.7%	103	21.5%	4	0.8%
	2008	322	247	76.7%	73	22.7%	2	0.6%
	2009	187	143	76.5%	43	23.0%	1	0.5%
Information Technology Careers	2007	25	5	20.0%	20	80.0%	0	0.0%
	2008	18	3	16.7%	15	83.3%	0	0.0%
	2009	20	7	35.0%	12	60.0%	1	5.0%
Manufacturing/Applied Technology	2007	74	6	8.1%	67	90.5%	1	1.4%
	2008	62	6	9.7%	55	88.7%	1	1.6%
	2009	65	11	16.9%	54	83.1%	0	0.0%
Media Arts	2007	57	26	45.6%	31	54.4%	0	0.0%
	2008	66	32	48.5%	33	50.0%	1	1.5%
	2009	80	33	41.3%	47	58.8%	0	0.0%
Public Safety Careers	2007	219	52	23.7%	167	76.3%	0	0.0%
	2008	248	38	15.3%	210	84.7%	0	0.0%
	2009	242	32	13.2%	210	86.8%	0	0.0%
Public Service Careers	2007	70	61	87.1%	8	11.4%	1	1.4%
	2008	51	45	88.2%	6	11.8%	0	0.0%
	2009	81	66	81.5%	15	18.5%	0	0.0%
Service Industry Careers	2007	53	40	75.5%	12	22.6%	1	1.9%
	2008	34	22	64.7%	11	32.4%	1	2.9%
	2009	42	27	64.3%	15	35.7%	0	0.0%



### Table 8: Fall Entering Cohort by Gender

To provide context, the following table shows the overall breakdown by gender for new Fall-entering students at MCTC during the same three-year period (FY07 to FY09).

FY	Cohort N	Female		Male		Unknown	
		N	%	N	%	N	%
2007	3,172	1,694	53.4%	1,471	46.4%	7	0.2%
2008	3,437	1,747	50.8%	1,660	48.3%	30	0.9%
2009	3,585	1,849	51.6%	1,730	48.3%	6	0.2%

### MCTC College Readiness

The following tables show student placement for Reading/Writing courses and Math courses as of the initial term at MCTC. Currently, Writing placements are determined by the results of the Reading placement tests. The entry course for Language Arts and Math is determined by placement testing through the Accuplacer system before enrolling. To measure college preparedness, only placement tests taken prior to the completion of a student's first semester were used to determine placements.

**Table 9: CTE Graduate Cohort Academic Placements: Reading**

Area Of Study	FY	Cohort N	ABE		ESL 0032		ESL 0042		ESL 0052		READ 100		READ 200		College Level*		Unknown	
			N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Aviation Careers	2007	44	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	10	22.7%	34	77.3%
	2008	83	0	0.0%	0	0.0%	0	0.0%	1	1.2%	0	0.0%	1	1.2%	60	72.3%	21	25.3%
	2009	63	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	1	1.6%	27	42.9%	35	55.6%
Business Careers	2007	74	0	0.0%	0	0.0%	0	0.0%	1	1.4%	1	1.4%	3	4.1%	19	25.7%	50	67.6%
	2008	53	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	1	1.9%	13	24.5%	39	73.6%
	2009	67	0	0.0%	0	0.0%	2	3.0%	1	1.5%	0	0.0%	2	3.0%	20	29.9%	42	62.7%
Health Careers Long-Term	2007	174	1	0.6%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	7	4.0%	54	31.0%	112	64.4%
	2008	225	0	0.0%	1	0.4%	1	0.4%	0	0.0%	1	0.4%	10	4.4%	74	32.9%	138	61.3%
	2009	199	0	0.0%	1	0.5%	1	0.5%	0	0.0%	1	0.5%	8	4.0%	50	25.1%	138	69.3%
Health Careers Short-Term	2007	479	2	0.4%	13	2.7%	22	4.6%	21	4.4%	27	5.6%	58	12.1%	223	46.6%	113	23.6%
	2008	324	0	0.0%	3	0.9%	7	2.2%	12	3.7%	19	5.9%	37	11.4%	195	60.2%	51	15.7%
	2009	187	0	0.0%	0	0.0%	4	2.1%	4	2.1%	8	4.3%	23	12.3%	123	65.8%	25	13.4%
Information Technology Careers	2007	25	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	6	24.0%	19	76.0%
	2008	18	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	1	5.6%	10	55.6%	7	38.9%
	2009	20	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	3	15.0%	17	85.0%
Manufacturing/Applied Technology	2007	74	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	1	1.4%	41	55.4%	32	43.2%
	2008	62	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	3	4.8%	28	45.2%	31	50.0%
	2009	65	0	0.0%	0	0.0%	0	0.0%	1	1.5%	0	0.0%	4	6.2%	41	63.1%	19	29.2%

\*Includes students who were exempted from taking any Reading classes. (Table 9 continues on following page)

**Table 9: CTE Graduate Cohort Academic Placements: Reading (continued)**

Area Of Study	FY	Cohort N	ABE		ESL 0032		ESL 0042		ESL 0052		READ 100		READ 200		College Level*		Unknown	
			N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Media Arts	2007	57	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	18	31.6%	39	68.4%
	2008	66	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	19	28.8%	47	71.2%
	2009	80	0	0.0%	0	0.0%	0	0.0%	0	0.0%	1	1.3%	0	0.0%	20	25.0%	59	73.8%
Public Safety Careers	2007	219	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	137	62.6%	82	37.4%
	2008	248	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	30	12.1%	218	87.9%
	2009	242	0	0.0%	0	0.0%	0	0.0%	1	0.4%	0	0.0%	2	0.8%	29	12.0%	210	86.8%
Public Service Careers	2007	70	0	0.0%	0	0.0%	0	0.0%	1	1.4%	2	2.9%	6	8.6%	21	30.0%	40	57.1%
	2008	51	0	0.0%	0	0.0%	0	0.0%	1	2.0%	3	5.9%	4	7.8%	9	17.6%	34	66.7%
	2009	82	1	1.2%	0	0.0%	1	1.2%	0	0.0%	0	0.0%	3	3.7%	20	24.4%	57	69.5%
Service Industry Careers	2007	53	0	0.0%	0	0.0%	1	1.9%	1	1.9%	0	0.0%	2	3.8%	28	52.8%	21	39.6%
	2008	34	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	2	5.9%	16	47.1%	16	47.1%
	2009	42	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	3	7.1%	20	47.6%	19	45.2%

**Table 10: Fall Entering Cohort Academic Placements: Reading**

For comparison, Fall Entering cohorts from FY07 to FY09

FY	Cohort N	ABE		ESL 0032		ESL 0042		ESL 0052		READ 100		READ 200		College Level*		Unknown	
		N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
2007	3,201	6	0.2%	67	2.1%	113	3.5%	131	4.1%	177	5.5%	417	13.0%	2015	62.9%	275	8.6%
2008	3,470	19	0.5%	36	1.0%	63	1.8%	98	2.8%	195	5.6%	459	13.2%	2167	62.4%	433	12.5%
2009	3,603	10	0.3%	70	1.9%	96	2.7%	62	1.7%	235	6.5%	489	13.6%	2254	62.6%	387	10.7%

\*Includes students who were exempted from taking any Reading classes.

**Table 11: CTE Graduate Cohort Academic Placements: Math**

Area of Study	FY	Cohort N	ABE		Math 60		Math 70		Math 80		College-Level*		Unknown	
			N	%	N	%	N	%	N	%	N	%	N	%
Aviation Careers	2007	44	0	0.0%	0	0.0%	1	2.3%	2	4.5%	3	6.8%	38	86.4%
	2008	83	0	0.0%	0	0.0%	6	7.2%	9	10.8%	31	37.3%	37	44.6%
	2009	63	0	0.0%	2	3.2%	11	17.5%	8	12.7%	16	25.4%	26	41.3%
Business Careers	2007	74	5	6.8%	16	21.6%	30	40.5%	13	17.6%	7	9.5%	3	4.1%
	2008	53	1	1.9%	15	28.3%	19	35.8%	6	11.3%	8	15.1%	4	7.5%
	2009	66	4	6.1%	17	25.8%	15	22.7%	14	21.2%	11	16.7%	5	7.6%
Health Careers Long-Term	2007	174	19	10.9%	19	10.9%	62	35.6%	27	15.5%	25	14.4%	22	12.6%
	2008	225	23	10.2%	34	15.1%	72	32.0%	34	15.1%	29	12.9%	33	14.7%
	2009	199	12	6.0%	36	18.1%	46	23.1%	37	18.6%	38	19.1%	30	15.1%
Health Careers Short-Term	2007	479	71	14.8%	110	23.0%	59	12.3%	68	14.2%	61	12.7%	110	23.0%
	2008	322	43	13.4%	78	24.2%	48	14.9%	61	18.9%	39	12.1%	53	16.5%
	2009	187	22	11.8%	44	23.5%	25	13.4%	31	16.6%	29	15.5%	36	19.3%
Information Technology Careers	2007	25	0	0.0%	5	20.0%	10	40.0%	4	16.0%	5	20.0%	1	4.0%
	2008	18	0	0.0%	1	5.6%	3	16.7%	7	38.9%	6	33.3%	1	5.6%
	2009	20	0	0.0%	2	10.0%	2	10.0%	8	40.0%	4	20.0%	4	20.0%
Manufacturing/Applied Tech	2007	74	1	1.4%	6	8.1%	32	43.2%	16	21.6%	15	20.3%	4	5.4%
	2008	62	0	0.0%	7	11.3%	23	37.1%	16	25.8%	12	19.4%	4	6.5%
	2009	65	1	1.5%	8	12.3%	24	36.9%	14	21.5%	18	27.7%	0	0.0%

(Table 11 continues on following page)

\*Includes students who were exempted from taking any Math classes.

**Table 11: CTE Graduate Cohort Academic Placements: Math (continued)**

Area of Study	FY	Cohort N	ABE		Math 60		Math 70		Math 80		College-Level*		Unknown	
			N	%	N	%	N	%	N	%	N	%	N	%
Media Arts	2007	57	3	5.3%	8	14.0%	21	36.8%	5	8.8%	14	24.6%	6	10.5%
	2008	66		0.0%	10	15.2%	18	27.3%	16	24.2%	17	25.8%	5	7.6%
	2009	80	2	2.5%	11	13.8%	22	27.5%	20	25.0%	19	23.8%	6	7.5%
Public Safety Careers	2007	219	4	1.8%	6	2.7%	6	2.7%	2	0.9%	1	0.5%	200	91.3%
	2008	248	3	1.2%	6	2.4%	3	1.2%	4	1.6%	9	3.6%	223	89.9%
	2009	242	9	3.7%	7	2.9%	7	2.9%	3	1.2%	6	2.5%	210	86.8%
Public Service Careers	2007	70	28	40.0%	17	24.3%	18	25.7%	1	1.4%	2	2.9%	4	5.7%
	2008	51	18	35.3%	16	31.4%	10	19.6%	4	7.8%	2	3.9%	1	2.0%
	2009	81	30	37.0%	20	24.7%	17	21.0%	8	9.9%	0	0.0%	6	7.4%
Service Industry Careers	2007	53	9	17.0%	7	13.2%	14	26.4%	8	15.1%	11	20.8%	4	7.5%
	2008	34	3	8.8%	11	32.4%	11	32.4%	5	14.7%	3	8.8%	1	2.9%
	2009	42	7	16.7%	10	23.8%	13	31.0%	3	7.1%	6	14.3%	3	7.1%

**Table 12: Fall Entering Cohort Academic Placements: Math**

For comparison, Fall Entering cohorts from FY07 to FY09

FY	Cohort N	ABE		Math 60		Math 70		Math 80		College-Level*		Unknown	
		N	%	N	%	N	%	N	%	N	%	N	%
2007	12,004	1693	14.1%	2781	23.2%	2672	22.3%	1654	13.8%	1275	10.6%	1929	16.1%
2008	12,836	1781	13.9%	3150	24.5%	2636	20.5%	1923	15.0%	1463	11.4%	1883	14.7%
2009	13,587	1946	14.3%	3457	25.4%	2702	19.9%	1887	13.9%	1746	12.9%	1849	13.6%

\*Includes students who were exempted from taking any Math classes.

**Table 13: CTE Graduate Cohort Success in College-Level Courses**

This table shows how many graduates attempted college-level Math and college-level English courses. Also shown is the number of those students who were successful, earning a grade A, B, C or P, in at least one college-level course.

Area of Study	FY	Cohort N	College-Level Math				College-Level English			
			Attempted Level		Passed Level		Attempted Level		Passed Level	
			N	%	N	%	N	%	N	%
Aviation Careers	2007	44	0	0.0%	0	0.0%	2	4.5%	2	4.5%
	2008	83	6	7.2%	4	4.8%	7	8.4%	6	7.2%
	2009	63	10	15.9%	8	12.7%	11	17.5%	10	15.9%
Business Careers	2007	74	17	23.0%	11	14.9%	46	62.2%	44	59.5%
	2008	53	11	20.8%	8	15.1%	43	81.1%	41	77.4%
	2009	66	16	24.2%	10	15.2%	53	80.3%	52	78.8%
Health Careers Long-Term	2007	174	16	9.2%	9	5.2%	80	46.0%	79	45.4%
	2008	225	17	7.6%	12	5.3%	110	48.9%	106	47.1%
	2009	199	19	9.5%	13	6.5%	75	37.7%	72	36.2%
Health Careers Short-Term	2007	479	41	8.6%	30	6.3%	196	40.9%	168	35.1%
	2008	322	32	9.9%	20	6.2%	148	46.0%	118	36.6%
	2009	187	16	8.6%	8	4.3%	73	39.0%	60	32.1%
Information Technology Careers	2007	25	8	32.0%	5	20.0%	18	72.0%	18	72.0%
	2008	18	5	27.8%	4	22.2%	14	77.8%	14	77.8%
	2009	20	2	10.0%	1	5.0%	17	85.0%	17	85.0%
Manufacturing/Applied Technology	2007	74	6	8.1%	4	5.4%	21	28.4%	20	27.0%
	2008	62	5	8.1%	2	3.2%	31	50.0%	30	48.4%
	2009	65	3	4.6%	1	1.5%	26	40.0%	23	35.4%

(Table 13 continues on following page)

**Table 13: CTE Graduate Cohort Success in College-Level Courses (continued)**

Area of Study	FY	Cohort N	College-Level Math				College-Level English			
			Attempted Level		Success Level		Attempted Level		Success Level	
			N	%	N	%	N	%	N	%
Media Arts	2007	57	4	7.0%	3	5.3%	26	45.6%	26	45.6%
	2008	66	5	7.6%	4	6.1%	31	47.0%	29	43.9%
	2009	80	4	5.0%	2	2.5%	37	46.3%	36	45.0%
Public Safety Careers	2007	219	1	0.5%	1	0.5%	13	5.9%	12	5.5%
	2008	248	1	0.4%	1	0.4%	13	5.2%	13	5.2%
	2009	242	0	0.0%	0	0.0%	26	10.7%	26	10.7%
Public Service Careers	2007	70	1	1.4%	1	1.4%	63	90.0%	58	82.9%
	2008	51	8	15.7%	7	13.7%	48	94.1%	45	88.2%
	2009	81	10	12.3%	7	8.6%	70	86.4%	66	81.5%
Service Industry Careers	2007	53	1	1.9%	1	1.9%	17	32.1%	14	26.4%
	2008	34	2	5.9%	2	5.9%	15	44.1%	14	41.2%
	2009	42	0	0.0%	0	0.0%	12	28.6%	10	23.8%

**Table 14: CTE Graduate Cohort Number of Earned Credits Prior to MCTC Enrollment**

Prior degrees are not captured in MCTC data but earned credits from previous schools are (whether or not the credits were applied towards MCTC credentials). Students were divided into three groups: Graduates transferring with 100 or more previous credit hours, graduates transferring with fewer than 100 credit hours and graduates who have no transferable credits.

Area Of Study	FY	Cohort N	100 or more Credits		Less than 100 Credits		No Transfer Credits	
			N	%	N	%	N	%
Aviation Careers	2007	44	13	29.5%	30	68.2%	1	2.3%
	2008	83	27	32.5%	41	49.4%	15	18.1%
	2009	63	19	30.2%	34	54.0%	10	15.9%
Business Careers	2007	74	3	4.1%	26	35.1%	45	60.8%
	2008	53	0	0.0%	22	41.5%	31	58.5%
	2009	66	4	6.1%	26	39.4%	36	54.5%
Health Careers Long-Term	2007	174	23	13.2%	73	42.0%	78	44.8%
	2008	225	37	16.4%	97	43.1%	91	40.4%
	2009	199	37	18.6%	94	47.2%	68	34.2%
Health Careers Short-Term	2007	479	35	7.3%	108	22.5%	336	70.1%
	2008	322	39	12.1%	72	22.4%	211	65.5%
	2009	187	18	9.6%	45	24.1%	124	66.3%
Information Technology Careers	2007	25	3	12.0%	6	24.0%	16	64.0%
	2008	18	2	11.1%	8	44.4%	8	44.4%
	2009	20	1	5.0%	10	50.0%	9	45.0%
Manufacturing/Applied Technology	2007	74	6	8.1%	30	40.5%	38	51.4%
	2008	62	2	3.2%	26	41.9%	34	54.8%
	2009	65	8	12.3%	29	44.6%	28	43.1%
Media Arts	2007	57	9	15.8%	18	31.6%	30	52.6%
	2008	66	13	19.7%	30	45.5%	23	34.8%
	2009	80	6	7.5%	38	47.5%	36	45.0%
Public Safety Careers	2007	219	31	14.2%	156	71.2%	32	14.6%
	2008	248	59	23.8%	177	71.4%	12	4.8%
	2009	242	26	10.7%	107	44.2%	109	45.0%
Public Service Careers	2007	70	1	1.4%	26	37.1%	43	61.4%
	2008	51	0	0.0%	14	27.5%	37	72.5%
	2009	81	1	1.2%	27	33.3%	53	65.4%
Service Industry Careers	2007	53	6	11.3%	20	37.7%	27	50.9%
	2008	34	1	2.9%	12	35.3%	21	61.8%
	2009	42	6	14.3%	11	26.2%	25	59.5%



**Table 15: CTE Graduates by Area of Study**

This table compares the “primary degree” compared with first declared major for each graduate. The graduates are divided into three groups: Those who completed an award within the same area of study, those who completed an award in a different area of study and those who never declared a major while studying at MCTC.

Area Of Study	FY	Cohort N	First Major in Area of Study		First Major in Different Area of Study		No Declared Major	
			N	%	N	%	N	%
Aviation Careers	2007	44	3	6.8%	0	0.0%	41	93.2%
	2008	83	56	67.5%	0	0.0%	27	32.5%
	2009	63	53	84.1%	1	1.6%	9	14.3%
Business Careers	2007	74	45	60.8%	8	10.8%	21	28.4%
	2008	53	26	49.1%	12	22.6%	15	28.3%
	2009	66	36	54.5%	17	25.8%	13	19.7%
Health Careers Long-Term	2007	174	112	64.4%	19	10.9%	43	24.7%
	2008	225	152	67.6%	13	5.8%	60	26.7%
	2009	199	130	65.3%	17	8.5%	52	26.1%
Health Careers Short-Term	2007	479	28	5.8%	252	52.6%	199	41.5%
	2008	322	5	1.6%	205	63.7%	112	34.8%
	2009	187	11	5.9%	118	63.1%	58	31.0%
Information Technology Careers	2007	25	17	68.0%	1	4.0%	7	28.0%
	2008	18	12	66.7%	3	16.7%	3	16.7%
	2009	20	14	70.0%	0	0.0%	6	30.0%
Manufacturing/Applied Technology	2007	74	54	73.0%	9	12.2%	11	14.9%
	2008	62	50	80.6%	3	4.8%	9	14.5%
	2009	65	47	72.3%	3	4.6%	15	23.1%
Media Arts	2007	57	43	75.4%	4	7.0%	10	17.5%
	2008	66	53	80.3%	4	6.1%	9	13.6%
	2009	80	66	82.5%	5	6.3%	9	11.3%
Public Safety Careers	2007	219	208	95.0%	1	0.5%	10	4.6%
	2008	248	229	92.3%	1	0.4%	18	7.3%
	2009	242	223	92.1%	10	4.1%	9	3.7%
Public Service Careers	2007	70	30	42.9%	18	25.7%	22	31.4%
	2008	51	20	39.2%	8	15.7%	23	45.1%
	2009	81	38	46.9%	18	22.2%	25	30.9%
Service Industry Careers	2007	53	36	67.9%	7	13.2%	10	18.9%
	2008	34	22	64.7%	4	11.8%	8	23.5%
	2009	42	33	78.6%	3	7.1%	6	14.3%

**Table 16: CTE Graduate Cohort Length to Degree**

This table shows the length of time required for graduates to earn the highest-level award s/he obtained from MCTC. Students were divided into four groups based on initial enrollment at MCTC. Graduates in the last two groups were not continuous, rather stopped out for a period before returning to MCTC.

Area of Study	FY	Cohort N	Two Years or Less		Three to Six Years		Seven to 10 Years		More than 10 years	
			N	%	N	%	N	%	N	%
Aviation Careers	2007	44	32	72.7%	12	27.3%	0	0.0%	0	0.0%
	2008	83	79	95.2%	3	3.6%	1	1.2%	0	0.0%
	2009	63	50	79.4%	12	19.0%	0	0.0%	1	1.6%
Business Careers	2007	74	27	36.5%	32	43.2%	8	10.8%	7	9.5%
	2008	53	19	35.8%	22	41.5%	8	15.1%	4	7.5%
	2009	66	32	48.5%	29	43.9%	3	4.5%	2	3.0%
Health Careers Long-Term	2007	174	82	47.1%	70	40.2%	8	4.6%	14	8.0%
	2008	225	107	47.6%	92	40.9%	12	5.3%	14	6.2%
	2009	199	77	38.7%	93	46.7%	12	6.0%	17	8.5%
Health Careers Short-Term	2007	479	410	85.6%	44	9.2%	9	1.9%	16	3.3%
	2008	322	272	84.5%	24	7.5%	9	2.8%	17	5.3%
	2009	187	155	82.9%	19	10.2%	4	2.1%	9	4.8%
Information Technology Careers	2007	25	6	24.0%	12	48.0%	6	24.0%	1	4.0%
	2008	18	12	66.7%	6	33.3%	0	0.0%	0	0.0%
	2009	20	7	35.0%	9	45.0%	0	0.0%	4	20.0%
Manufacturing/Applied Technology	2007	74	47	63.5%	19	25.7%	5	6.8%	3	4.1%
	2008	62	39	62.9%	21	33.9%	0	0.0%	2	3.2%
	2009	65	47	72.3%	15	23.1%	2	3.1%	1	1.5%

*(Table 16 continues on following page)*

**Table 16: CTE Graduate Cohort Length to Degree (continued)**

Area of Study	FY	Cohort N	Two Years or Less		Three to Six Years		Seven to 10 Years		More than 10 years	
			N	%	N	%	N	%	N	%
Media Arts	2007	57	21	36.8%	29	50.9%	5	8.8%	2	3.5%
	2008	66	26	39.4%	36	54.5%	1	1.5%	3	4.5%
	2009	80	32	40.0%	39	48.8%	8	10.0%	1	1.3%
Public Safety Careers	2007	219	206	94.1%	10	4.6%	1	0.5%	2	0.9%
	2008	248	231	93.1%	9	3.6%	3	1.2%	5	2.0%
	2009	242	224	92.6%	12	5.0%	2	0.8%	4	1.7%
Public Service Careers	2007	70	16	22.9%	24	34.3%	13	18.6%	17	24.3%
	2008	51	13	25.5%	17	33.3%	11	21.6%	10	19.6%
	2009	81	26	32.1%	37	45.7%	7	8.6%	11	13.6%
Service Industry Careers	2007	53	39	73.6%	9	17.0%	3	5.7%	2	3.8%
	2008	34	17	50.0%	10	29.4%	6	17.6%	1	2.9%
	2009	42	29	69.0%	10	23.8%	2	4.8%	1	2.4%

Appendix

Appendix: Table 1

Guide to Programs and SUBJ Codes grouped in each Area of Study

Areas of Study	Program Name	SUBJ Code
Aviation Careers	Air Traffic Control	ATCT
	Aircraft Technician	AMTA
	Aircraft Technician	AMTG
	Aircraft Technician	AMTP
	Aircraft Technician	AMTR
Business Careers	Accounting	ACCT
	Business Management	BUSN
	Business Office Technology	BTEC
Health Careers Long-Term	Addiction Counseling	COUN
	Allied Health	DNTA
	Allied Health	PHLE
	Dental Assistant	DNTA
	Electroneurodiagnostic Technology	ENDT
	Nursing	NURS
	Polysomnographic Technology	PSOM
	Western Clinical Herbalism	HERB
Health Careers Short-Term	Allied Health	CSIP
	Allied Health	CMHW
	Nursing Assistant/Home Health Aide	NAHA
Information Technology Careers	Information Technology	ITEC
	Library Information Technology	INFS
Public Safety Careers	Homeland Security Specialist	HLSC
	Law Enforcement	LAWE
Manufacturing and Applied Technology Careers	Architectural Technology	ARCH
	Carpentry	CARP
	Cabinetmaking	CBMK
	Construction Electricity	CNEL
	Heating, Ventilation, Air Conditioning, and Refrigeration	HVAC
	Machine Tool Technology	MTTC
	Welding and Metal Fabrication	WELD
Media Arts	Graphic Design and Electronic Publishing	EPUB
	Graphic Design and Electronic Publishing	GRPH
	Media Production	MPRO
	Photography and Digital Imaging	PHDI
	Sound Arts	SNDA
	Video and Digital Arts	VIDA

Appendix: Table 1 (continued)

Areas of Study	Program Name	SUBJ Code
Public Service Careers	Education and Child Development	EDUC
	Education and Child Development	CHDV
	Education and Child Development	URTE
	Human Services	HSER
Service Industry Careers	Apparel Technologies	APRL
	Barbering	BARB
	Culinary Arts	CULA
	Jewelry	JLRY

## Addendum

For reference, a comparison cohort was created using students enrolled during the same time frame as graduates studied in this report who have not earned a degree at MCTC.

### Cohort by First-Generation Status

A first-generation student is defined by the Minnesota State Legislature, for accountability purposes, as a student neither of whose parents attended college.

**Table 16: CTE Graduate First Generation Status**

FY	Cohort N	First Generation	%
2007	1269	409	32.2%
2008	1162	304	26.2%
2009	1045	265	25.4%

**Table 17: Comparison Cohort First Generation Status**

FY	Cohort N	First Generation	%
2007	7728	1932	25.0%
2008	5566	1297	23.3%
2009	5846	1399	23.9%

### Cohort by Income Status

Low-Income status is defined as a student's eligibility for a Federal Pell Grant. Only those who apply for financial aid provide this information to the school so many students will have an Unknown Status. It is the best measure available but the number of Unknowns will be larger than other measures used in this report.

**Table 18: CTE Graduate Cohort Income Status**

FY	Cohort N	Low Income	%
2007	1269	563	44.4%
2008	1162	474	40.8%
2009	1045	433	41.4%

**Table 19: Comparison Cohort Income Status**

FY	Cohort N	Low Income	%
2007	7728	4117	53.3%
2008	5566	2782	50.0%
2009	5846	2962	50.7%

### Cohort by Enrollment Status

Enrollment status is based on the initial term of enrollment at MCTC. Any student enrolled in 12 or more credits is considered a full-time student.

**Table 20: CTE Graduate Cohort by Enrollment Status**

FY	Cohort N	Full-Time <sup>1</sup>	%	Part-Time <sup>1</sup>	%
2007	1269	570	44.9%	699	55.1%
2008	1162	600	51.6%	560	48.2%
2009	1045	552	52.8%	493	47.2%

**Table 21: Comparison Cohort by Enrollment Status**

FY	Cohort N	Full-Time <sup>1</sup>	%	Part-Time <sup>1</sup>	%
2007	7728	2264	29.3%	5464	70.7%
2008	5566	1899	34.1%	3667	65.9%
2009	5846	2144	36.7%	3702	63.3%

### Cohort by Academic Preparation Status

The following tables show the placement for students for Reading/Writing courses and Math courses as of the initial term at MCTC. Writing placements are currently determined by Reading placement. The entry course for Language Arts and Math is determined by placement testing through the Accuplacer system before enrolling. Some students take placement tests after completing coursework at MCTC. To measure college preparedness, the highest score available through the end of the first term is used for these purposes.

**Table 22: CTE Cohort Academic Placements: Reading**

FY	Cohort N	College Level	%	Developmental	%	Unknown	%
2007	1269	891	70.2%	245	19.3%	133	10.5%
2008	1162	762	65.6%	165	14.2%	235	20.2%
2009	1045	705	67.5%	128	12.2%	212	20.3%

**Table 23: Comparison Cohort Academic Placements: Reading**

FY	Cohort N	College Ready <sup>1</sup>	%	Developmental	%	Unknown	%
2007	7728	1737	22.5%	4843	62.7%	1145	14.8%
2008	5565	1338	24.0%	3262	58.6%	965	17.3%
2009	5846	1426	24.4%	3502	59.9%	918	15.7%

**Cohort by Academic Preparation Status (continued)**

**Table 24: CTE Cohort Academic Placements: Math**

FY	Cohort N	College Ready <sup>1</sup>	%	Developmental	%	Unknown	%
2007	1269	290	22.9%	590	46.5%	389	30.7%
2008	1162	318	27.4%	483	41.6%	361	31.1%
2009	1045	293	28.0%	426	40.8%	326	31.2%

<sup>1</sup>Includes students testing into Math 80 or Higher.

**Table 25: Comparison Cohort Academic Placements: Math**

FY	Cohort N	College Ready <sup>1</sup>	%	Developmental	%	Unknown	%
2007	7728	1737	22.5%	4843	62.7%	1145	14.8%
2008	5565	1338	24.0%	3262	58.6%	965	17.3%
2009	5846	1426	24.4%	3502	59.9%	918	15.7%

<sup>1</sup>Includes students testing into Math 80 or Higher.