

OVERVIEW: Degree Completion-Based University Performance Funding

House Bill 5370 (H-1) Draft 2 - As Reported by the House Subcommittee

Funding Allocated

- Allocates, on formula basis, 1.0% of existing FY 2011-12 base operations appropriations (\$12.1 million) and 3.0% increase to universities under FY 2012-13 Executive Budget (\$36.2 million), for a total of \$48.3 million. All universities receive larger allocation under formula than funding that is removed due to 1.0% reduction. Only the net increase from FY 2011-12 for each university (totaling \$36.3 million) is appropriated as performance funding.

Formula Calculations

- Funds are allocated based on number of undergraduate degrees and certificates completed at each university, weighted based on academic level and program area. Graduate degrees (master's, doctoral, professional) are not funded. No distinction is made between in-state and out-of-state students (completion data not currently collected based on residency status). Completion data is submitted annually by the universities to both IPEDS (federal) and HEIDI (state) data systems.
- Utilizes absolute number of completions, rather than graduation rates, in order to capture all undergraduate degree/certificate completion activity at a university. (Graduation rates are based on only first-time, full-time students enrolling at a university.) Full funding is allocated for a student who transfers to a university after completing credits at another institution and completes a degree at the university.
- Degree/certificate completions are first weighted based on the number of credit hours needed to complete each type of award:

Academic Level	Credits Required	Weight (Equivalent Credits)	Universities Offering Significant #
Bachelor's	120	1.00 (120 credits)	All
Associate's	60	.50 (60 credits)	FSU, LSSU, NMU
Certificates: more than 1 year but less than 2 years	35-48	.375 (45 credits)	LSSU, MSU, NMU
Certificates: less than 1 year	8-25	.125 (15 credits)	FSU, MTU

- Weighted completions are then divided into two tiers:
 - Completions in Critical Skills program areas are weighted at 2.0. Areas classified as Critical Skills areas are Health Professions, STEM fields, Agriculture/Natural Resources, Accounting, and select multidisciplinary degrees (where both majors fit High Demand criteria). Differs slightly from Executive Budget list. (Architecture included under Executive Budget; Accounting and Multidisciplinary degrees are not.)
 - Completions in all other program areas are weighted at 1.0.
- With some exceptions, program areas in Critical Skills tier generally have higher instructional costs (see attachment). Roughly one-third of degree/certificate completions fall into the Critical Skills tier.
- Two-year average of most recent completion data available (FY 2009-10 and FY 2010-11; see attachments) is utilized to smooth out spikes in completions at individual universities from year to year.
- Calculations result in \$1,672 being allocated for each bachelor's degree completion in Critical Skills areas and \$836 being allocated for each bachelor's degree completion in other areas.

Individual University Funding Changes

- In dollar terms, funding increases for individual universities range from \$451,700 (Lake Superior State) to \$6,791,400 (Michigan State). In terms of percentage increases from FY 2011-12 appropriation amounts, increases range from 0.5% (Wayne State) to 7.4% (Grand Valley State).
- Three universities are below 3.0% average: Wayne State, UM-Ann Arbor, and Michigan State. Remaining 12 universities are at or above 3.0%.

FY 2012-13 Degree Completion-Based University Performance Funding

House Bill 5370 (H-1) Draft 2

New Funding	\$36,217,000
Percent of Base	1.0%
Base Funding Subject to Formula	\$12,072,300
Total Funding Allocated Through Formula	\$48,289,300
*Critical Skills Weight	2.0
Funding per Critical Skills Bachelor's Degree	\$1,672
Funding per Other Bachelor's Degree	\$836

Other Undergrad Levels	Critical Skills	Other
Associate's: .50	\$836	\$418
Certificates, > 1 but < 2 years: .375	\$627	\$314
Certificates, < 1 year: .125	\$209	\$105

Weighted Degrees/Certificates

University	FY 2011-12 Appropriation	FY 2009-10	FY 2010-11	Two-Year Average	1.0% Reduction	Formula Funding	Net Increase: Performance **Funding	Percent Change
Central	\$68,108,900	4,392	4,472	4,432	(\$681,089)	\$3,705,718	\$3,024,600	4.4
Eastern	64,619,100	3,668	3,729	3,699	(646,191)	3,092,418	2,446,200	3.8
Ferris	41,324,300	3,561	3,836	3,698	(413,243)	3,092,261	2,679,000	6.5
Grand Valley	52,677,400	5,226	5,360	5,293	(526,774)	4,425,415	3,898,700	7.4
Lake Superior	10,789,500	622	716	669	(107,895)	559,631	451,700	4.2
Michigan State	241,120,800	11,136	10,876	11,006	(2,411,208)	9,202,630	6,791,400	2.8
Michigan Tech	40,733,600	2,123	1,904	2,014	(407,336)	1,683,648	1,276,300	3.1
Northern	38,367,400	1,782	1,879	1,830	(383,674)	1,530,323	1,146,700	3.0
Oakland	43,145,000	3,252	3,577	3,415	(431,450)	2,854,958	2,423,500	5.6
Saginaw Valley	23,561,500	1,519	1,680	1,600	(235,615)	1,337,386	1,101,800	4.7
UM-Ann Arbor	268,803,300	8,832	9,049	8,941	(2,688,033)	7,475,400	4,787,400	1.8
UM-Dearborn	21,016,300	1,550	1,541	1,546	(210,163)	1,292,235	1,082,100	5.1
UM-Flint	17,762,400	1,342	1,311	1,327	(177,624)	1,109,123	931,500	5.2
Wayne State	182,036,900	3,246	3,441	3,344	(1,820,369)	2,795,593	975,200	0.5
Western	93,168,300	4,933	4,952	4,943	(931,683)	4,132,561	3,200,900	3.4
TOTAL	\$1,207,234,700	57,184	58,323	57,754	(\$12,072,347)	\$48,289,300	\$36,217,000	3.0

*Critical Skills Areas

Accounting
 Agriculture, Ag Operations, and Related Sciences
 Biological and Biomedical Sciences
 Communications Technologies/Techs & Supp Services
 Computer and Information Sciences & Support Services
 Engineering
 Engineering Technologies & Engineer-Related Fields
 Health Professions and Related Sciences
 Mathematics and Statistics
 Mechanic and Repair Technologies/Technicians
 Multi/Interdisciplinary Studies (Biological/Physical Sciences, Math/Computer Science)
 Natural Resources and Conservation
 Physical Sciences
 Precision Production
 Science Technologies/Technicians
 Transportation and Materials Moving

**Rounded to nearest \$100

Average General Fund Expenditures per Student Credit Hour by Program Area

Fiscal Year 2009-10

CIP	Program	Lower Division			Upper Division			Total Undergrad		
		Expend	SCH	Expend/SCH	Expend	SCH	Expend/SCH	Expend	SCH	Expend/SCH
24	Lib Arts & Sci, Gen Studies & Human	16,166,204	51,446	314	11,571,474	18,532	624	27,737,678	69,978	396
48	Precision Production	457,314	2,227	205	107,354	180	596	564,668	2,407	235
49	Transportation & Materials Moving	1,534,554	5,470	281	3,198,328	6,550	488	4,732,882	12,020	394
47	Mechanic & Repair Technologies/Technicians	2,025,641	7,514	270	990,026	2,085	475	3,015,667	9,599	314
40	Physical Sciences	68,630,678	413,843	166	25,939,254	62,116	418	94,569,932	475,959	199
11	Computer & Information Sciences & Support Services	19,200,703	69,960	274	11,995,382	29,897	401	31,196,085	99,857	312
14	Engineering	26,146,011	104,030	251	58,703,954	147,468	398	84,849,965	251,498	337
50	Visual & Performing Arts	57,287,520	250,886	228	42,383,671	109,576	387	99,671,191	360,462	277
1	Agriculture, Ag Operations, & Related Sciences	4,637,689	22,383	207	6,522,887	16,967	384	11,160,576	39,350	284
4	Architecture & Related Services	319,438	1,548	206	3,160,473	8,289	381	3,479,911	9,837	354
15	Engineering Technologies & Engineer-Related Fields	7,830,199	35,390	221	12,574,750	37,266	337	20,404,949	72,656	281
10	Communications Technologies/Techs & Supp Services	1,687,576	7,325	230	1,464,726	4,370	335	3,152,302	11,695	270
5	Area, Ethnic,Cultural, Gender and Group Studies	8,243,811	51,324	161	8,788,819	26,845	327	17,032,630	78,169	218
3	Natural Resources and Conservation	2,234,992	14,384	155	4,336,719	14,681	295	6,571,711	29,065	226
51	Health Professions and Related Sciences	23,705,526	112,214	211	55,449,890	189,213	293	79,155,416	301,427	263
26	Biological & Biomedical Sciences	39,802,408	255,095	156	34,724,568	125,416	277	74,526,976	380,511	196
44	Public Administration & Social Service Professions	2,038,154	12,364	165	9,786,490	40,004	245	11,824,644	52,368	226
42	Psychology	16,536,152	169,371	98	31,525,030	132,003	239	48,061,182	301,374	159
30	Multi/Interdisciplinary Studies*	7,985,662	37,755	212	7,177,181	30,656	234	15,162,843	68,411	222
16	Foreign Languages, Literatures, & Linguistics	33,314,165	230,890	144	18,352,489	78,702	233	51,666,654	309,592	167
13	Education	17,279,312	81,080	213	45,485,811	198,909	229	62,765,123	279,989	224
52	Business, Mgt, Market & Related Support Svcs**	35,791,304	200,821	178	87,121,594	383,373	227	122,912,898	584,194	210
12	Personal & Culinary Services	929,905	4,404	211	699,084	3,089	226	1,628,989	7,493	217
23	Eng Language & Lit/Letters	54,228,643	359,562	151	25,752,442	120,377	214	79,981,085	479,939	167
28	Military Science, Leadership & Operational Art	203,203	1,057	192	228,160	1,069	213	431,363	2,126	203
54	History	15,814,855	118,912	133	15,538,494	73,283	212	31,353,349	192,195	163
27	Mathematics & Statistics	50,726,237	374,311	136	14,801,984	73,894	200	65,528,221	448,205	146
22	Legal Professions and Studies	1,528,663	8,702	176	987,282	4,949	199	2,515,945	13,651	184
45	Social Sciences	48,393,120	412,908	117	52,568,435	273,214	192	100,961,555	686,122	147
9	Communications, Journalism, and Related Programs	16,086,849	144,735	111	21,026,201	109,711	192	37,113,050	254,446	146
38	Philosophy & Religious Studies	10,573,158	88,973	119	7,239,490	38,295	189	17,812,648	127,268	140
19	Family and Consumer Sciences/Human Sciences	4,314,719	37,930	114	5,937,175	32,605	182	10,251,894	70,535	145
31	Parks, Rec, Leisure, & Fitness Stud	11,352,887	69,414	164	9,307,809	52,772	176	20,660,696	122,186	169
29	Military Technologies and Applied Sciences	176,169	1,107	159	178,690	1,049	170	354,859	2,156	165
43	Homeland Sec, Law Enforce, Fire & Rel Prot Serv	3,470,393	25,106	138	7,325,919	46,895	156	10,796,312	72,001	150
25	Library Science	27,526	169	163	5,487	40	137	33,013	209	158
46	Construction Trades	153,239	1,137	135	0	0	--	153,239	1,137	135
TOTAL		610,834,579	3,785,747	161	642,957,522	2,494,340	258	1,253,792,101	6,280,087	200

Shaded program areas receive higher "Critical Skills" weight under House subcommittee performance funding calculations

*Only Biological/Physical Sciences and Mathematics/Computer Science degree completions included in Critical Skills tier

**Only Accounting degree completions included in Critical Skills tier

Note: In some cases, entries with relatively small numbers of credit hours have been removed due to extreme expenditure amount outliers.

Source: HEIDI database, HFA calculations

Weighted Undergraduate Degree/Certificate Completions by Critical Skills Program Area
 Fiscal Year 2009-10

Weighted Completions

University	Health	Engi- neering	Precision Product	Transp Moving	Mechanic Tech	Computer Science	Engineer Tech	Comm Tech	Science Tech	Bio Science	Phys Science	Math	Ag	Natural Resource	Account- ing	*Select Multidisc	TOTAL			% Critical Skills
																	CRITICAL SKILLS	OTHER	TOTAL	
Central	238	27	0	0	0	61	70	0	0	132	29	9	0	28	94	2	690	3,012	3,702	18.6
Eastern	264	0	0	18	0	23	96	22	0	83	31	16	0	0	114	0	667	2,334	3,001	22.2
Ferris	382	21	19	0	44	49	342	79	5	95	6	12	2	0	41	23	1,118	1,325	2,443	45.8
Grand Valley	643	66	0	0	0	66	17	0	0	123	48	107	0	30	154	44	1,298	2,631	3,928	33.0
Lake Superior	53	18	0	0	0	16	8	0	0	9	18	2	0	23	28	0	173	276	449	38.5
Michigan State	466	399	0	0	0	75	231	35	0	834	156	89	252	81	250	4	2,872	5,392	8,264	34.8
Michigan Tech	10	666	0	0	0	77	66	7	0	49	33	15	0	35	4	0	963	198	1,160	83.0
Northern	185	0	0	0	13	8	70	0	0	77	18	10	0	38	24	0	443	897	1,340	33.0
Oakland	496	104	0	0	0	49	0	0	0	120	16	13	0	0	76	0	874	1,504	2,378	36.8
Saginaw Valley	161	47	0	0	0	23	6	0	0	40	29	13	0	0	63	0	382	755	1,137	33.6
UM-Ann Arbor	246	1,145	0	0	0	148	0	0	0	532	90	132	0	82	0	0	2,375	4,082	6,457	36.8
UM-Dearborn	13	135	0	0	0	37	0	0	0	85	11	32	0	4	72	5	394	762	1,156	34.1
UM-Flint	212	4	0	0	0	27	0	0	0	58	8	6	0	11	51	0	377	588	965	39.1
Wayne State	244	122	0	0	0	16	60	0	0	165	47	10	0	7	86	0	757	1,732	2,489	30.4
Western	311	233	0	108	13	73	35	0	0	156	31	8	0	4	141	0	1,113	2,707	3,820	29.1
TOTAL	3,923	2,987	19	126	69	748	1,001	143	5	2,558	571	474	254	343	1,198	78	14,494	28,195	42,689	34.0

*Multidisciplinary Studies column includes only degrees in (1) Biological and Physical Sciences and (2) Mathematics and Computer Science.

Bachelor's Degrees

1.00

University	Health	Engi- neering	Precision Product	Transp Moving	Mechanic Tech	Computer Science	Engineer Tech	Comm Tech	Science Tech	Bio Science	Phys Science	Math	Ag	Natural Resource	Account- ing	*Select Multidisc	TOTAL		
																	CRITICAL SKILLS	OTHER	TOTAL
Central	238	27	0	0	0	61	70	0	0	132	29	9	0	28	94	2	690	3,012	3,702
Eastern	264	0	0	18	0	23	96	22	0	83	31	16	0	0	114	0	667	2,334	3,001
Ferris	252	21	0	0	11	49	242	70	0	95	6	12	0	0	38	0	796	1,225	2,021
Grand Valley	643	66	0	0	0	66	17	0	0	123	48	107	0	24	154	44	1,292	2,636	3,928
Lake Superior	38	18	0	0	0	12	7	0	0	9	18	2	0	23	27	0	154	241	395
Michigan State	464	399	0	0	0	75	231	35	0	834	156	89	216	81	250	4	2,834	5,389	8,223
Michigan Tech	10	663	0	0	0	77	64	7	0	49	33	15	0	35	4	0	957	192	1,149
Northern	144	0	0	0	0	8	56	0	0	77	18	10	0	38	24	0	375	841	1,216
Oakland	496	104	0	0	0	49	0	0	0	120	16	13	0	0	76	0	874	1,504	2,378
Saginaw Valley	161	47	0	0	0	23	6	0	0	40	29	13	0	0	63	0	382	755	1,137
UM-Ann Arbor	246	1,145	0	0	0	148	0	0	0	532	90	132	0	82	0	0	2,375	4,082	6,457
UM-Dearborn	13	135	0	0	0	37	0	0	0	85	11	32	0	4	72	5	394	762	1,156
UM-Flint	212	4	0	0	0	27	0	0	0	58	8	6	0	11	51	0	377	588	965
Wayne State	244	122	0	0	0	16	60	0	0	165	47	10	0	7	86	0	757	1,732	2,489
Western	311	233	0	108	13	73	35	0	0	156	31	8	0	4	141	0	1,113	2,707	3,820
TOTAL	3,736	2,984	0	126	24	744	884	134	0	2,558	571	474	216	337	1,194	55	14,037	28,000	42,037

Weighted Undergraduate Degree/Certificate Completions by Critical Skills Program Area
 Fiscal Year 2009-10

Associate's Degrees

0.50

	Health	Engi- neering	Precision Product	Transp Moving	Mechanic Tech	Computer Science	Engineer Tech	Comm Tech	Science Tech	Bio Science	Phys Science	Math	Ag	Natural Resource	Account- ing	*Select Multidisc	TOTAL CRITICAL SKILLS	OTHER	TOTAL
Central																	0	0	
Eastern																	0	0	
Ferris	248		37		54		193	18	9				4		6	45	614	175	789
Grand Valley														11			11	(11)	
Lake Superior	17					7	1								1		26	70	96
Michigan State																	0	0	
Michigan Tech							4										4	2	6
Northern	53				18		18										89	76	165
Oakland																	0	0	
Saginaw Valley																	0	0	
UM-Ann Arbor																	0	0	
UM-Dearborn																	0	0	
UM-Flint																	0	0	
Wayne State																	0	0	
Western																	0	0	
TOTAL	318	0	37	0	72	7	216	18	9	0	0	0	4	11	7	45	744	312	1,056

Certificates: More Than One Year But Less Than Two Years

0.375

	Health	Engi- neering	Precision Product	Transp Moving	Mechanic Tech	Computer Science	Engineer Tech	Comm Tech	Science Tech	Bio Science	Phys Science	Math	Ag	Natural Resource	Account- ing	*Select Multidisc	TOTAL CRITICAL SKILLS	OTHER	TOTAL
Central																	0	0	
Eastern																	0	0	
Ferris	2																2	0	2
Grand Valley																	0	0	
Lake Superior	16																16	1	17
Michigan State	5												96				101	9	110
Michigan Tech																	0	0	
Northern	38				9		14										61	48	109
Oakland																	0	0	
Saginaw Valley																	0	0	
UM-Ann Arbor																	0	0	
UM-Dearborn																	0	0	
UM-Flint																	0	0	
Wayne State																	0	0	
Western																	0	0	
TOTAL	61	0	0	0	9	0	14	0	0	0	0	0	96	0	0	0	180	58	238

Weighted Undergraduate Degree/Certificate Completions by Critical Skills Program Area
Fiscal Year 2009-10

Certificates: Less Than One Year

0.125

	Health	Engi- neering	Precision Product	Transp Moving	Mechanic Tech	Computer Science	Engineer Tech	Comm Tech	Science Tech	Bio Science	Phys Science	Math	Natural Ag Resource	Account- ing	*Select Multidisc	TOTAL CRITICAL SKILLS	OTHER	TOTAL	
Central																0	0		
Eastern																0	0		
Ferris	41	1			45		25									112	102	214	
Grand Valley																0	0		
Lake Superior																0	0		
Michigan State																0	0		
Michigan Tech		26					2						2			30	36	66	
Northern					1											1	0	1	
Oakland																0	0		
Saginaw Valley																0	0		
UM-Ann Arbor																0	0		
UM-Dearborn																0	0		
UM-Flint																0	0		
Wayne State																0	0		
Western																0	0		
TOTAL	41	27	0	0	46	0	27	0	0	0	0	0	0	2	0	0	143	138	281

Weighted Undergraduate Degree/Certificate Completions by Critical Skills Program Area
 Fiscal Year 2010-11

Weighted Completions

University	Health	Engi- neering	Precision Product	Transp Moving	Mechanic Tech	Computer Science	Engineer Tech	Comm Tech	Science Tech	Bio Science	Phys Science	Math	Ag	Natural Resource	Account- ing	*Select Multidisc	TOTAL			% Critical Skills
																	CRITICAL SKILLS	OTHER	TOTAL	
Central	232	29	0	0	0	48	81	0	0	158	32	15	0	52	106	2	755	2,962	3,717	20.3
Eastern	344	1	0	28	0	26	95	17	0	83	34	0	0	0	97	6	731	2,267	2,998	24.4
Ferris	451	18	25	0	31	62	356	80	3	105	10	11	2	0	55	10	1,219	1,397	2,617	46.6
Grand Valley	710	51	0	0	0	65	16	0	0	102	44	93	0	26	152	43	1,302	2,756	4,058	32.1
Lake Superior	86	27	0	0	0	16	10	0	1	16	16	4	0	18	21	0	214	288	502	42.6
Michigan State	525	389	0	0	0	88	195	64	0	741	149	66	267	80	239	1	2,804	5,268	8,072	34.7
Michigan Tech	10	595	0	0	0	75	41	6	0	43	27	18	0	37	17	0	869	167	1,036	83.9
Northern	205	0	2	0	15	16	77	0	0	87	20	5	0	41	29	0	496	887	1,383	35.9
Oakland	626	110	0	0	0	50	1	0	0	135	11	9	0	0	59	0	1,001	1,575	2,576	38.9
Saginaw Valley	189	52	0	0	0	39	4	0	0	51	16	15	0	0	67	0	433	814	1,247	34.7
UM-Ann Arbor	281	1,146	0	0	0	177	0	0	0	542	92	154	0	104	0	0	2,496	4,057	6,553	38.1
UM-Dearborn	17	124	0	0	0	46	0	0	0	96	15	19	0	15	69	3	404	733	1,137	35.5
UM-Flint	245	5	0	0	0	20	0	0	0	44	8	7	0	8	56	0	393	525	918	42.8
Wayne State	224	108	0	0	0	27	57	0	0	187	59	18	0	12	107	0	799	1,843	2,642	30.2
Western	346	241	0	100	14	71	38	0	0	124	31	13	0	5	134	0	1,117	2,718	3,835	29.1
TOTAL	4,491	2,896	27	128	60	826	970	167	4	2,514	564	447	269	398	1,208	65	15,033	28,257	43,290	34.7

*Multidisciplinary Studies column includes only degrees in (1) Biological and Physical Sciences and (2) Mathematics and Computer Science.

Bachelor's Degrees

1.00

University	Health	Engi- neering	Precision Product	Transp Moving	Mechanic Tech	Computer Science	Engineer Tech	Comm Tech	Science Tech	Bio Science	Phys Science	Math	Ag	Natural Resource	Account- ing	Select Multidisc	TOTAL		
																	CRITICAL SKILLS	OTHER	TOTAL
Central	232	29	0	0	0	48	81	0	0	158	32	15	0	52	106	2	755	2,962	3,717
Eastern	344	1	0	28	0	26	95	17	0	83	34	0	0	0	97	6	731	2,267	2,998
Ferris	329	18	0	0	12	61	256	75	0	105	10	11	0	0	51	0	928	1,301	2,229
Grand Valley	710	51	0	0	0	65	16	0	0	102	44	93	0	26	152	43	1,302	2,756	4,058
Lake Superior	71	27	0	0	0	13	8	0	0	16	15	4	0	15	15	0	184	239	423
Michigan State	524	389	0	0	0	88	195	64	0	741	149	66	220	80	239	1	2,756	5,262	8,018
Michigan Tech	10	591	0	0	0	75	40	6	0	43	27	18	0	37	17	0	864	162	1,026
Northern	154	0	0	0	0	16	60	0	0	87	20	5	0	41	29	0	412	828	1,240
Oakland	626	110	0	0	0	50	1	0	0	135	11	9	0	0	59	0	1,001	1,575	2,576
Saginaw Valley	189	52	0	0	0	39	4	0	0	51	16	15	0	0	67	0	433	814	1,247
UM-Ann Arbor	281	1,146	0	0	0	177	0	0	0	542	92	154	0	104	0	0	2,496	4,057	6,553
UM-Dearborn	17	124	0	0	0	46	0	0	0	96	15	19	0	15	69	3	404	733	1,137
UM-Flint	245	5	0	0	0	20	0	0	0	44	8	7	0	8	56	0	393	525	918
Wayne State	224	108	0	0	0	27	57	0	0	187	59	18	0	12	107	0	799	1,843	2,642
Western	346	241	0	100	14	71	38	0	0	124	31	13	0	5	134	0	1,117	2,718	3,835
TOTAL	4,302	2,892	0	128	26	822	851	162	0	2,514	563	447	220	395	1,198	55	14,575	28,042	42,617

Weighted Undergraduate Degree/Certificate Completions by Critical Skills Program Area
 Fiscal Year 2010-11

Associate's Degrees

0.50

	Health	Engi- neering	Precision Product	Transp Moving	Mechanic Tech	Computer Science	Engineer Tech	Comm Tech	Science Tech	Bio Science	Phys Science	Math	Ag	Natural Resource	Account- ing	Select Multidisc	TOTAL CRITICAL SKILLS	OTHER	TOTAL
Central																	0	0	
Eastern																	0	0	
Ferris	238		50		28	2	191	10	6				4		8	20	557	172	729
Grand Valley																	0	0	
Lake Superior	12					6	3		2		2			6	12		43	98	141
Michigan State																	0	0	
Michigan Tech							1										1	2	3
Northern	68				20		28										116	75	191
Oakland																	0	0	
Saginaw Valley																	0	0	
UM-Ann Arbor																	0	0	
UM-Dearborn																	0	0	
UM-Flint																	0	0	
Wayne State																	0	0	
Western																	0	0	
TOTAL	318	0	50	0	48	8	223	10	8	0	2	0	4	6	20	20	717	347	1,064

Certificates: More Than One Year But Less Than Two Years

0.375

	Health	Engi- neering	Precision Product	Transp Moving	Mechanic Tech	Computer Science	Engineer Tech	Comm Tech	Science Tech	Bio Science	Phys Science	Math	Ag	Natural Resource	Account- ing	Select Multidisc	TOTAL CRITICAL SKILLS	OTHER	TOTAL
Central																	0	0	
Eastern																	0	0	
Ferris																	0	0	
Grand Valley																	0	0	
Lake Superior	23																23	0	23
Michigan State	3												126				129	15	144
Michigan Tech																	0	0	
Northern	45		4		12		8										69	56	125
Oakland																	0	0	
Saginaw Valley																	0	0	
UM-Ann Arbor																	0	0	
UM-Dearborn																	0	0	
UM-Flint																	0	0	
Wayne State																	0	0	
Western																	0	0	
TOTAL	71	0	4	0	12	0	8	0	0	0	0	0	126	0	0	0	221	71	292

Weighted Undergraduate Degree/Certificate Completions by Critical Skills Program Area
Fiscal Year 2010-11

Certificates: Less Than One Year

0.125

	Health	Engi- neering	Precision Product	Transp Moving	Mechanic Tech	Computer Science	Engineer Tech	Comm Tech	Science Tech	Bio Science	Phys Science	Math	Natural Ag Resource	Account- ing	Select Multidisc	TOTAL CRITICAL SKILLS	OTHER	TOTAL	
Central																0	0		
Eastern																0	0		
Ferris	27	2			39		34									102	83	185	
Grand Valley																0	0		
Lake Superior																0	0		
Michigan State																0	0		
Michigan Tech		31											2			33	32	65	
Northern					1											1	0	1	
Oakland																0	0		
Saginaw Valley																0	0		
UM-Ann Arbor																0	0		
UM-Dearborn																0	0		
UM-Flint																0	0		
Wayne State																0	0		
Western																0	0		
TOTAL	27	33	0	0	40	0	34	0	0	0	0	0	0	2	0	0	136	115	251