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ABSTRACT

Michigan's 29 public community and junior colleges reported 96,831 students in 925 State Board of Education approved, federally-reimbursed, occupational education program curricula. This survey report consolidates these reported enrollments, arranges them by Office of Education program code classifications, and presents code number; program name; male, female, ethnic, and cooperative enrollments; program completions; enrollment projections; and enrollment totals for each classification for each of the 925 programs. A second section discusses course types and curriculum patterns in occupational education instruction. In addition, the occupational programs offered by each community college are categorized according to the following clusters: agriculture and natural resources, business and office sciences, communications and media, computer sciences, engineering technologies, health sciences, home and personal services, hospitality and recreation, industrial services, and public services. Each occupational program is followed by a code which identifies the type of program as associate degree or one- or two-year certificate. A final section discusses apprenticeship instruction and lists those colleges which offer apprenticeship programs and in which trades they are offered.

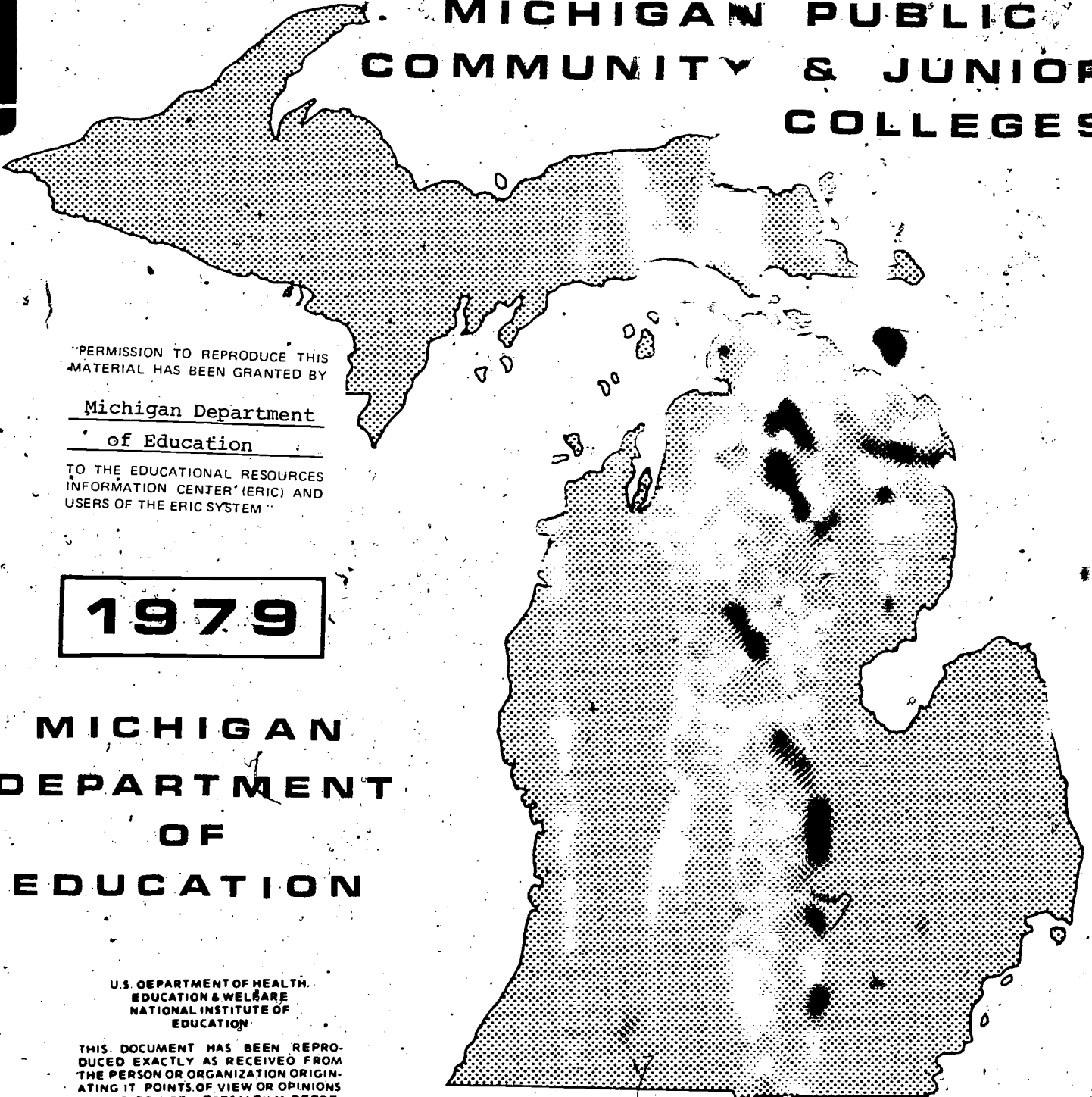
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ED169997

# OCCUPATIONAL PROGRAM INVENTORY

## MICHIGAN PUBLIC COMMUNITY & JUNIOR COLLEGES



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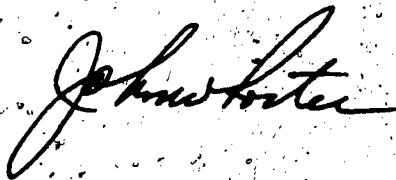
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## FOREWORD

One of the many services rendered by the Michigan Department of Education, Vocational-Technical Education Service, is the publishing of the Michigan Community and Junior College Occupational Program Inventory.

The Occupational Program Inventory is a compendium of associate degree and one and two-year certificate career programs offered by public community and junior colleges. Programs included in this document are those which have been reviewed by the State Board for Public Community and Junior College and approved by the State Board of Education.

The Occupational Program Inventory assists individuals, as well as business, industrial and governmental organizations, in identifying and selecting community college programs. Further, it provides information to educational agencies in support of their efforts to plan and coordinate future occupational programs.



John W. Porter  
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The Occupational Program Inventory - Michigan Public Community and Junior Colleges is prepared by the staff of the Occupational Education Unit, Higher Education Management Services.

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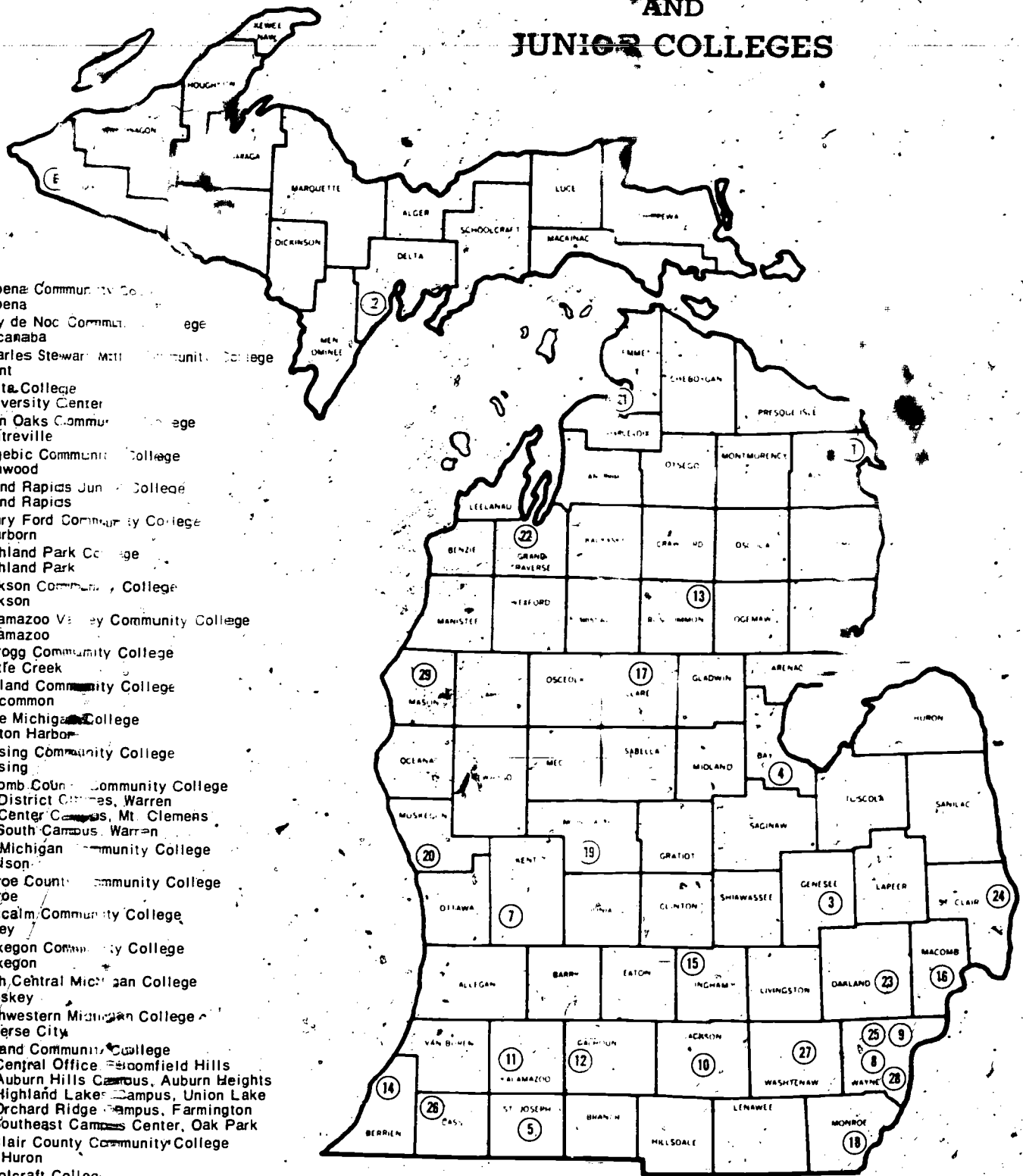
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Additional copies of the Occupational Program Inventory may be obtained by writing directly to:

Occupational Education Unit  
Higher Education Management Services  
P. O. Box 30009  
Lansing, Michigan 48909

# MICHIGAN PUBLIC COMMUNITY AND JUNIOR COLLEGES



- 1 Alpena Community College  
Alpena
- 2 Bay de Noc Community College  
Escanaba
- 3 Charles Stewart Mott Community College  
Flint
- 4 Delta College  
University Center
- 5 Glen Oaks Community College  
Centreville
- 6 Gogebic Community College  
Ironwood
- 7 Grand Rapids Junior College  
Grand Rapids
- 8 Henry Ford Community College  
Dearborn
- 9 Highland Park College  
Highland Park
- 10 Jackson Community College  
Jackson
- 11 Kalamazoo Valley Community College  
Kalamazoo
- 12 Kellogg Community College  
Battle Creek
- 13 Kirtland Community College  
Roscommon
- 14 Lake Michigan College  
Benton Harbor
- 15 Lansing Community College  
Lansing
- 16 Macomb County Community College  
District Campus, Warren  
Center Campus, Mt. Clemens  
South Campus, Warren
- 17 Mid-Michigan Community College  
Harrison
- 18 Monroe County Community College  
Monroe
- 19 Montcalm Community College  
Sidney
- 20 Muskegon Community College  
Muskegon
- 21 North Central Michigan College  
Petoskey
- 22 Northwestern Michigan College  
Traverse City
- 23 Oakland Community College  
Central Office, Bloomfield Hills  
Auburn Hills Campus, Auburn Heights  
Highland Lakes Campus, Union Lake  
Orchard Ridge Campus, Farmington  
Southeast Campus, Center, Oak Park
- 24 St. Clair County Community College  
Port Huron
- 25 Schoolcraft College  
Livonia
- 26 Southwestern Michigan College  
Dowagiac
- 27 Washtenaw Community College  
Ann Arbor
- 28 Wayne County Community College  
Detroit
- 29 West Shore Community College  
Scottville

Michigan's 29 public community  
and junior colleges reported  
96,931 students in 925 State  
Board of Education approved  
federally reimbursed occupation  
education program curriculums.  
The attached survey report  
consolidates these reported  
enrollments into 174 U.S.  
Office of Education program  
code classifications.



COMMUNITY COLLEGE FEDERAL OCCUPATIONAL ENROLLMENT SUMMARY

STATE SUMMARY

OE CODE	PROGRAM NAME	TOTAL	MALE	FEMALE	COOP	CONC.	---PROJECTED ENROLLMENT---		
							TOTAL	MALE	FEMALE
01.0300	PRODUCTION AGRICULTURE	4	4						
01.0100	ANIMAL SCIENCE	114	67	47			130	75	55
01.0100	PLANT SCIENCE	2	1	1					
01.0100	FARM BUSINESS MANAGEMENT	11	7	4			20	14	6
01.0300	AGRICULTURE MECHANICS	7	7			7	10	10	
01.0300	AG POWER AND MACHINERY	1	1						
01.0500	LANDSCAPING	202	134	68	5	40	210	139	71
01.0600	AGRICULTURAL RESOURCES	96	87	9		9	103	93	10
01.0600	RECREATION	317	180	137	32	214	301	166	135
PROGRAM AREA TOTALS		754*	488*	266*	37*	387*	774*	497*	277*
	AMERICAN INDIAN	4	2	2					
	LATINO	29	17	12					
	BLACK	78	48	30					
	ASIAN	3	3						
	WHITE	634	411	223					

NOTE: This report represents the consolidation of 925 reported enrollments in State Board of Education approved federally reimbursed occupational program curriculums in Michigan's 29 public community and junior colleges into 174 U.S. Office of Education program code classifications.

MICHIGAN DEPARTMENT OF EDUCATION  
 HIGHER EDUCATION MANAGEMENT SERVICES  
 COMMUNITY COLLEGE FEDERAL OCCUPATIONAL ENROLLMENT SUMMARY

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ATE SUMMARY

PROGRAM NAME	TOTAL	MALE	FEMALE	COOP	COMPL N	----PROJECTED ENROLLMENT----		
						TOTAL	MALE	FEMALE
DE COOP COMPONENT	1,908	1,097	811	118	781	1,952	1,117	835
RETAIL STORE MANAGEMENT	195	55	80		39	145	58	87
APPAREL AND ACCESSORIES	90	1	89	20	46	105	3	102
AUTO DISTRIBUTION	10	7	3			10	7	3
FINANCE AND CREDIT	418	91	327			484	104	380
FOOD SERVICES						25	15	10
GENERAL MERCHANOISE	1,821	983	838	81	1,450	1,933	1,038	895
HOME FURNISHINGS	29	1	28		29	35	1	34
HOTEL + LODGING	450	270	180		402	465	277	188
INSURANCE	16	14	2		16	20	14	6
PERSONAL SERVICES	3,078	1,741	1,337			3,187	1,802	1,385
REAL ESTATE	632	424	208		369	689	464	220
ASSESSMENT ADMINISTRATION	17	9	8		5	18	9	9
TRANSPORTATION	689	513	176	9	520	728	535	193
AIRLINE HOSTESS - CLERICAL	2		2		2	2		2
MARKETING AND RETAILING	240	125	115	12	99	247	129	118
<b>PROGRAM AREA TOTALS</b>	<b>9,535</b>	<b>5,331</b>	<b>4,204</b>	<b>241</b>	<b>3,833</b>	<b>10,040</b>	<b>5,573</b>	<b>4,467</b>
AMERICAN INDIAN	70	39	31					
LATINO	232	134	98					
BLACK	1,020	552	468					
ASIAN	62	34	28					
WHITE	7,989	4,489	3,500					

of Distributive and Business education programs are reported in this category.

MICHIGAN DEPARTMENT OF EDUCATION  
 HIGHER EDUCATION MANAGEMENT SERVICES  
 COMMUNITY COLLEGE FEDERAL OCCUPATIONAL ENROLLMENT SURVEY

STATE SUMMARY

PROGRAM NAME	TOTAL	MALE	FEMALE	COOP	COMPL'N	-----PROJECTED ENROLLMENT-----		
						TOTAL	MALE	FEMALE
DENTAL HYGIENIST	709	18	691		294	745	26	719
DENTAL LAB TECHNICIAN	142	82	60	9	83	189	119	70
MEDICAL LAB TECHNICIAN	58	13	45		29	35	8	27
CYTOLOGY TECHNICIAN	76	13	63		76	78	13	65
HISTOLOGY	81	21	60		81	105	30	75
MEDICAL LAB ASSISTANT	996	194	802		626	1,096	232	864
NURSING ASSOCIATE DEGREE	5,672	549	5,123		2,552	5,553	570	4,983
PRACTICAL NURSING	2,161	88	2,073		1,435	2,024	95	1,929
NURSING ASSISTANT AIDE	22	1	21		22	43	4	39
SURGICAL TECHNICIAN	100	13	87		68	108	16	92
NURSING, OTHER	49	3	46		23	65	5	60
OCCUPATIONAL THERAPY	292	70	222		284	337	90	247
PHYSICAL THERAPY	59	4	55		29	40	2	38
X-RAY TECHNICIAN	432	147	285		107	422	148	274
ENVIRONMENTAL HEALTH	7	4	3			11	6	5
MENTAL HEALTH TECHNICIAN	1,108	316	792	22	663	1,172	356	816
RESPIRATORY THERAPY	708	210	498		260	706	208	498
HEALTH AIDE (COMMUNITY)	85	25	60		31	92	28	64
EMERGENCY MEDICAL TECHNICIAN	359	267	102	52	116	450	318	132
DIETETIC TECHNICIAN	267	63	204		238	304	79	225
HEALTH SERVICES - OTHER	25	12	13		15	30	15	15
MEDICAL RECORDS TECH.	195	65	130		195	243	81	162
	180	13	167		73	189	14	175
<b>PROGRAM AREA TOTALS</b>	<b>13,793*</b>	<b>2,191*</b>	<b>11,602*</b>	<b>83*</b>	<b>7,300*</b>	<b>14,037*</b>	<b>2,463*</b>	<b>11,574*</b>
AMERICAN INDIAN	116	25	91					
LATINO	486	175	311					
BLACK	2,332	452	1,880					
ASIAN	128	26	102					
WHITE	10,597	1,528	9,069					



MICHIGAN DEPARTMENT OF EDUCATION  
 HIGHER EDUCATION MANAGEMENT SERVICES  
 COMMUNITY COLLEGE FEDERAL OCCUPATIONAL ENROLLMENT SUMMARY

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PROGRAM NAME	TOTAL	MALE	FEMALE	COOP	COMPL N	-----PROJECTED ENROLLMENT-----		
						TOTAL	MALE	FEMALE
ACCOUNTING AND COMPUTING	7,824	3,269	4,555	105	5,187	8,264	3,484	4,780
BOOKKEEPERS	84	29	55	12	60	63	26	37
BUSINESS DATA PROCESSING	111	51	60	7	111	120	55	65
COMPUTER + CONSOLE OPERATORS	325	142	183	47	88	332	145	187
PERIPHERAL EQUIP OPERATORS	4	1	3		3	5	1	4
GENERAL OFFICE CLERICAL	64		64		29	50		50
FILE CLERK	1		1	1	1	5		5
GENERAL OFFICE CLERKS	3,966	1,459	2,507	92	3,430	4,363	1,614	2,749
MACHINE CALCULATIONS						15		15
RECEPTIONIST AND INFORMAT	13		13	6	13	15		15
COMMUNICATION MEDIA (INF,	172	102	70	8	133	172	105	67
JOURNALISM	173	66	107		173	178	68	110
STOCK + INVENTORY CLERK	16	12	4			19	14	5
PERSONNEL TRAINING	641	386	255		182	652	390	262
EDUCATIONAL ASSISTANTS AN	111	49	62		71	106	46	60
PERSONNEL ASSISTANTS	490	98	392	4	284	468	92	376
STENO AND SECRETARIAL	2,660	864	1,796		45	2,706	884	1,822
EXECUTIVE SECRETARY	1,637	18	1,619	332	814	1,725	25	1,700
SECRETARIES	679	32	647	42	133	676	31	645
STENOGRAPHERS	2,072	315	1,757	152	1,461	2,268	364	1,904
INDUSTRIAL SECRETARY (INF	5		5		5	5		5
MEDICAL TRANSCRIPTIONIST	41		41		5	40		40
SECRETARIAL ENGINEERING (	214	4	210			222	4	218
MEDICAL SECRETARY	942	45	897	45	588	965	58	907
LEGAL SECRETARY	925	30	895	63	434	958	41	917
SUPERVISORY AND ADMIN	3,308	1,847	1,461			3,422	1,911	1,511
ADMINISTRATIVE ASSISTANTS	1,192	645	547	108	735	1,276	684	592
CLERICAL OFFICE	134	23	111	9	37	142	17	125
OFFICE MANAGERS AND CHIEF	253	133	120	4	59	266	139	127
INDUSTRIAL MANAGEMENT (IN	796	532	264		541	792	526	266
PUBLIC ADMINISTRATION TEC	23	10	13		2	23	11	12
PARA-LEGAL TECHNOLOGY	680	113	567		335	722	118	604
SUPERVISORY AND ADMINISTR	2,424	1,495	929	23	1,366	2,520	1,543	977
CLERK-TYPIST	558	13	545	20	401	559	14	545
<b>PROGRAM AREA TOTALS</b>	<b>32,538*</b>	<b>11,783*</b>	<b>20,755*</b>	<b>1,080*</b>	<b>16,726*</b>	<b>34,114*</b>	<b>12,410*</b>	<b>21,704*</b>
AMERICAN INDIAN	235	82	153					
LATINO	731	231	500					
BLACK	4,980	1,966	3,014					
ASIAN	314	129	185					
WHITE	25,890	9,326	16,564					

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MICHIGAN DEPARTMENT OF EDUCATION  
 HIGHER EDUCATION MANAGEMENT SERVICES  
 COMMUNITY COLLEGE FEDERAL OCCUPATIONAL ENROLLMENT SUMMARY

SUMMARY

PROGRAM NAME	TOTAL	MALE	FEMALE	COOP	COMPL'N	-----PROJECTED ENROLLMENT-----		
						TOTAL	MALE	FEMALE
AERONAUTICAL TECHNOLOGY	9	9				9	9	
AGRICULTURAL TECHNOLOGY	13	13				15	15	
ARCHITECTURAL TECHNOLOGY	1,099	745	354	17	608	940	611	329
AUTOMOTIVE TECHNOLOGY	1,416	1,353	63	60	483	1,468	1,354	114
CHEMICAL TECHNOLOGY	80	57	23		52	89	61	28
ELECTRICAL TECHNOLOGY	421	401	20		402	438	418	20
ELECTRONIC TECHNOLOGY	173	163	10	28	87	113	103	10
ELECTRO-MECHANICAL TECHNOLOGY	3,324	3,152	172	95	1,431	3,426	3,162	234
ENVIRONMENTAL CONTROL TECHNOLOGY	152	147	5		128	191	186	5
ENVIRONMENTAL CONTROL TECH	917	914	3	5	371	946	938	8
INDUSTRIAL TECHNOLOGY	420	384	36	17	206	460	409	51
MECHANICAL TECHNOLOGY	3,544	3,148	396	103	1,436	3,788	3,270	518
METALLURGICAL TECHNOLOGY	86	70	16		81	96	80	16
PETROLEUM TECHNOLOGY	42	41	1		18	43	42	1
AGRICULTURAL - RELATED TECHNOLOGY	52	43	9	7	28	40	35	5
ANIMAL SCIENCE	57	3	54		57	63	3	60
MEDICAL ASSISTANT (INF. GU)	639	17	622	27	373	664	30	634
DENTAL ASSISTANT (INF. GU)	665	23	642		456	734	41	693
COMPUTER PROGRAMMER	6,604	3,699	2,905	43	4,729	7,058	3,884	3,174
LIBRARY TECHNOLOGY	173	11	162		106	182	14	168
CHILD CARE CENTER ASSISTANT	1,061	121	940	17	656	1,099	112	987
TEACHER'S ASSISTANT AT THE	2		2	1	2			
FOOD SERVICE SUPERVISOR	852	442	410	88	325	942	487	455
INTERIOR DECORATOR ASSISTANT	104	4	100	15	42	109	4	105
NO DESCRIPTOR (HOME EC.)	60	7	53		19	65	10	55
COMMERCIAL PILOT	285	246	39		3	289	250	39
FIRE AND SAFETY TECHNOLOGY	552	532	20		311	557	591	26
FORESTRY TECHNOLOGY	67	57	10		21	52	47	5
OCEANOGRAPHIC TECHNOLOGY	36	34	2		8	40	38	2
POLICE SCIENCE TECHNOLOGY	2,714	1,841	873	4	1,079	2,660	1,801	859
URBAN TECHNOLOGY (INF. GU)	42	40	2		10	62	60	2
ENVIRONMENTAL CONTROL (IN)	7	7			1	11	10	1
WATER AND WASTE TECHNOLOGY	26	21	5	16	26			
<b>PROGRAM AREA TOTALS</b>	<b>25,694*</b>	<b>17,745*</b>	<b>7,949*</b>	<b>543*</b>	<b>13,955*</b>	<b>26,629*</b>	<b>18,025*</b>	<b>8,604*</b>
AMERICAN INDIAN	213	132	81					
LATINO	733	455	278					
BLACK	3,463	2,054	1,409					
ASIAN	237	153	84					
WHITE	20,251	14,215	6,036					

MICHIGAN DEPARTMENT OF EDUCATION  
 HIGHER EDUCATION MANAGEMENT SERVICES  
 COMMUNITY COLLEGE FEDERAL OCCUPATIONAL ENROLLMENT SUMMARY

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ATE SUMMARY

PROGRAM NAME	TOTAL	MALE	FEMALE	COOP	COMPL IN /	----PROJECTED ENROLLMENT----		
						TOTAL	MALE	FEMALE
AIR CONDITIONING	526	516	10		277	473	458	15
COOLING	103	99	4		2	113	108	5
HEATING	5	5			1	10	10	
APPLIANCE REPAIR	4	4			4	4	4	
SERVICE TECHNOLOGY (INF.)	27	25	2		9	36	32	4
AUTOMOTIVE SERVICES	59	58	1		6	60	60	
BODY AND FENDER	174	164	10	17	83	215	199	16
AUTO MECHANICS	1,395	1,296	99	21	910	1,434	1,317	117
AUTO SPECIALIZATION	104	103	1	4	48	109	109	4
MARINE ENGINE TECHNOLOGY	11	10	1	1	6	7	7	
AIRCRAFT MAINTENANCE	297	266	31		184	343	306	37
AIRCRAFT OPERATIONS	80	67	13		35	82	69	13
COMMERCIAL ART OCCUPATIONS	1,372	462	910	25	816	1,396	469	927
INTERIOR DECORATING	330	110	220		330	275	75	200
PRODUCT DESIGN	147	121	26		147	162	133	29
TECHNICAL ILLUSTRATOR	19	6	13		1	20	6	14
SHIP AND BOAT OPERATION A	121	116	5			126	120	6
COMMERCIAL PHOTOGRAPHY	637	369	268		573	674	394	280
NO DESCRIPTOR (COMMERCIAL	290	173	117		78	304	180	124
CONSTR. MAINTEN. IN-SCHOOL	346	328	18	4	97	336	317	19
CARPENTRY	52	52		2	32	54	51	3
ELECTRICITY	8	8			2	10	9	1
HEAVY EQUIPMENT, CONSTRU	44	44			30	22	22	
MASONRY	25	23	2	3	5	28	25	3
PLUMBING AND PIPEFITTING	59	59				61	61	
CONSTR AND MAINT ON-SITE	2	2				2	2	
OTHER CONSTR. & MAINTENANCE	28	26	2			29	27	2
DIESEL MECHANIC	92	90	2	12	68	76	76	
DRAFTING OCCUPATIONS	566	441	125	24	406	616	471	145
ENG/ARCHITECTURAL DRAFTING	16	13	3	2	11	29	24	5
ELECTRICAL OCCUPATIONS	43	42	1		5	43	42	1
INDUSTRIAL ELECTRICIAN	36	36			6	37	37	
OTHER ELECTRICAL OCC	143	124	19		76	165	130	35
ELECTRONICS OCCUPATIONS	192	188	4	6	89	180	177	3
RADIO AND TELEVISION	119	115	4	2	86	129	125	4
RADIO AND TV BROADCASTING	66	47	19		9	67	48	19
FOREMANSHIP, SUPRV. & MGM	277	245	32		226	315	276	39
GRAPHIC ARTS OCCUPATIONS	78	50	28	16	71	85	57	28
COMPOSITION, MAKEUP, AND	29	22	7		29	32	24	8
LITH PHOTO PLATE MAKING	57	44	13		57	61	47	14
METALWORKING OCCUPATIONS						60	50	10

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MICHIGAN DEPARTMENT OF EDUCATION  
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 COMMUNITY COLLEGE FEDERAL OCCUPATIONAL ENROLLMENT SUMMARY

TE SUMMARY

PROGRAM NAME	TOTAL	MALE	FEMALE	COOP	COMPL N	---PROJECTED ENROLLMENT---		
						TOTAL	MALE	FEMALE
FOUND	75	62	13	9	75	80	65	5
MACHIN	522	474	48	30	383	495	438	57
MACHIN OPERATIONS	21	20	1		3	27	26	1
WELDI CUTTING	1,249	1,194	55	50	898	1,319	1,249	70
OTHER WORKING OCCUP.	131	81	50		83	145	80	65
METAL OCCUPATIONS	32	31	1		6	34	33	1
COSMET	83	6	77		40	94	14	80
PLAST OCCUPATIONS	7	7				6	6	
PUBLIC SERVICE OCCUPATION	26	6	20		26	26	6	20
FIREMAN TRAINING	56	54	2		4	177	170	7
LAW ENFORCEMENT	4,074	3,010	1,064	123	1,902	4,003	2,931	1,072
OTHER PUBLIC SERVICES	57	14	43		13	57	14	43
QUANTITY FOOD OCCUPATIONS	22	11	11		16	7	5	2
BAKER	11	6	5		5			
COOK/CHEF	100	70	30	12	36	206	156	50
SMALL ENGINE REPAIR	109	105	4	5	88	111	104	7
HYDRAULICS AND PNEUMATICS	63	60	3		56	65	61	4
<b>PROGRAM AREA TOTALS</b>	<b>14,617*</b>	<b>11,180*</b>	<b>3,437*</b>	<b>368*</b>	<b>8,449*</b>	<b>15,132*</b>	<b>11,508*</b>	<b>3,624*</b>
AMERICAN INDIAN	107	83	24					
LATINO	324	235	89					
BLACK	1,274	913	361					
ASIAN	290	269	21					
WHITE	12,437	9,541	2,896					
<b>STATE TOTAL</b>	<b>96,931**</b>	<b>48,718**</b>	<b>48,213**</b>	<b>2,352**</b>	<b>50,650**</b>	<b>100,726**</b>	<b>50,476**</b>	<b>50,250**</b>
AMERICAN INDIAN	745	363	382					
LATINO	2,535	1,247	1,288					
BLACK	13,147	5,985	7,162					
ASIAN	1,034	614	420					
WHITE	77,798	39,510	38,288					



## PREFACE

The occupational programs offered by each community college are categorized according to the following clusters:

- AGRICULTURE AND NATURAL RESOURCES
- BUSINESS AND OFFICE SCIENCES
- COMMUNICATIONS AND MEDIA
- COMPUTER SCIENCES
- ENGINEERING TECHNOLOGIES
- HEALTH SCIENCES
- HOME AND PERSONAL SERVICES
- HOSPITALITY AND RECREATION
- INDUSTRIAL SCIENCES
- PUBLIC SERVICES

Each occupational program title is followed by a code which identifies the type of program. The codes are interpreted as:

- A Associate Degree
- C-1 Certificate - One Year
- C-2 Certificate - Two Year

The Associate Degree programs are generally two years in duration. They are composed of occupational specialty courses designed to prepare persons with competencies necessary for employment, supportive courses directly related to the occupational courses and general education courses.

Certificate programs generally are of one or two year duration. The courses which comprise certificate programs are designed to assist students in developing job-entry competencies required for employment.

Additional information regarding each occupational program may be obtained by contacting the respective community college or reviewing the college catalog.



## OCCUPATIONAL EDUCATION INSTRUCTION

Occupational education is generally defined as instruction designed to provide the student with job skills necessary for employment or required for retraining or advancement in one's present occupation. For administrative and state and federal funding purposes, occupational education usually pertains to occupations considered skilled and semi-skilled, technical, or semi-professional, and which generally do not require a baccalaureate or higher degree.

In 1965, the State Board of Education designated all Michigan public community colleges as postsecondary area vocational schools. This action assigned community colleges with the responsibility of providing postsecondary occupational education and made them eligible for federal assistance through the Vocational Education Act of 1963, the subsequent Amendments of 1968, and Title II of the Educational Amendments of 1976. Community colleges continually strive to fulfill their postsecondary occupational education responsibility as measured by the number of occupational programs and courses available to the community and by the number of students enrolled.

Community college occupational education is organized in the following curriculum patterns: Associate degree, Certificate 1 and 2 year, Apprentice Instruction Course, General Occupational Course Education. A program is defined as an arrangement of related courses in which planned instructional activities are provided for the attainment of educational goals:

### A. Associate Degree Program

Associate Degree programs are designed for the development of completors required for successful employment in a specified occupation and generally consists of 62 semester hours of credit and an aggregate of the following types of courses:

1. Occupational Specialty Courses - These courses are designed to provide for the development of occupational competency in a specified occupation by providing the knowledges, techniques, applications, procedures, materials, processes, and operations indigenous to the occupation.
2. Supportive Study Courses - related science, mathematics, and technical principles, methods, and concepts necessary to the development of supportive job skills.
3. General Education Courses - which consist primarily of the social sciences, humanities, and communication studies. These courses provide the student with the life role competencies which enable the person to function in society.

B. Certificate Program

Certificate programs are one year or more in length and are characterized by a major emphasis in occupational specialty courses.

C. Apprentice Instruction Course

Related instruction for students who are registered apprentices. The course provides the student with mathematic, communication, science and other skills as required in the State Board of Education reviewed apprenticeship standards.

D. General Occupational Course Education

Instruction designed to provide the student with job skills necessary to become employed or those skills required for retraining or advancement in a chosen occupation. The course is not part of a State Board reviewed occupational program or apprenticeship instruction.

# OCCUPATIONAL PROGRAM INVENTORY

College:

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ALPENA COMMUNITY COLLEGE  
666 Johnson Street  
Alpena, Michigan 49707  
(517) 356-9021

AGRICULTURE AND NATURAL RESOURCES

Fisheries Technology (A)  
Forest Technology (A)  
Forestry Aide (C-1)  
Landscaping (C-1)

BUSINESS AND OFFICE SCIENCES

Accounting (A)  
Business Management (A)  
Marketing (A)  
Secretarial Science (A)  
Secretarial Science Advanced (C-1)  
Secretarial Science Clerk-Steno (C-1)  
Secretarial Science Clerk-Typist (C-1)  
Small Business Management (C-1)

COMMUNICATIONS AND MEDIA

Graphic-Arts Certificate (C-1)  
Graphic Arts Technology (A)  
Library Technology (A)

ENGINEERING TECHNOLOGIES

Aviation Training-Pilot (A)  
Chemical Technology (A)  
Concrete Technology (A)  
Construction Technology (A) (C-2)  
Drafting and Design Technology (A)  
Electronics Technology (A)  
Industrial Technology (A)  
Metallurgical Technology (A)

HEALTH SCIENCES

Licensed Practical Nursing (C-1)

INDUSTRIAL SCIENCES

Airframe & Power Plant Mechanics (C-1)  
Auto Body Repair (C-1)  
Automotive Service and Repair (C-1)  
Machine Tool Operator (C-1)

PUBLIC SERVICES

Law Enforcement (A)

BAY DE NOC COMMUNITY COLLEGE  
Danforth Road  
Escanaba, Michigan 49829  
(906) 786-5802

AGRICULTURE AND NATURAL RESOURCES

Water and Wastewater Treatment (A) (C-1)

BUSINESS AND OFFICE SCIENCES

Bookkeeper (C-1)  
General Merchandising (A) (C-1)  
General Office Clerk (C-1)  
Secretarial Science (A) (C-1)

ENGINEERING TECHNOLOGIES

Automotive Technology (A) (C-1)  
Drafting and Design Technology (A) (C-1)  
Electrical Engineering Technology (A) (C-1)

HEALTH SCIENCES

Practical Nursing (C-1)

INDUSTRIAL SCIENCES

Auto Body Repair (A) (C-1)  
Heavy Equipment Repair (A) (C-1)  
Machine Tool Operation (A) (C-1)  
Welding Technology (C-1)

PUBLIC SERVICES

Educational Technician (A) (C-1)  
Law Enforcement (A) (C-1)

CHARLES S. MOTT COMMUNITY COLLEGE  
1401 East Court Street  
Flint, Michigan 48503  
(313) 762-0387

BUSINESS AND OFFICE SCIENCES

Accounting (A)  
Business Management (A)  
Clerical Skills (C-1)  
General Business (A)  
Merchandising Administration (A)  
Office Occupations (A)

COMPUTER SCIENCES

Data Processing (A)

HEALTH SCIENCES

A. D. Nursing RN (A)  
Clinical Medical Assistant (C-1)  
Dental Assisting (C-1)  
Dental Hygiene (A)  
Emergency Medical Technician (C-1)  
Geriatric Nursing Specialist (C-1)  
Practical Nursing (C-1)

HOSPITALITY AND RECREATION

Food Management Technology (A)  
Recreation Leader (A)

ENGINEERING TECHNOLOGIES

Architecture (A)  
Aviation Flight Technology (A)  
Electronic Technology (A)  
Environmental Control Technology (A)  
Industrial Design Technology (A)  
Industrial Supervision & Management (A)  
Mechanical Controls Technology (A)  
Mechanical Technology (A)

INDUSTRIAL SCIENCES

Auto Service (C-1)  
Recreation Vehicle (C-1)

PUBLIC SERVICES

Associate Community School Director (A)  
Child Care Aide (A) (C-1)  
Criminal Justice (A)  
Fire Protection - Public and Private  
(A) (C-1) (C-2)  
Para-Legal Technology (A)  
Social Work Aide (A)

DELTA COLLEGE  
University Center, Michigan 48710  
(517) 686-9000

BUSINESS AND OFFICE SCIENCES

Accounting (A) (C-1)  
Airline Hostess - Clerical (A)  
Chemical Secretarial (A)  
Finance and Banking (A)  
Legal Secretarial (A)  
Machine Calculation (C-1)  
Management (A)  
Marketing (A)  
Office Clerical Assistant (A)  
Real Estate (A)  
Retail Mid Management (A)  
Secretarial (A) (C-1)

COMMUNICATIONS AND MEDIA

Broadcasting (A)

COMPUTER SCIENCES

Data Processing (A)  
Key Entry Data Control (C-1)

INDUSTRIAL SCIENCES

Automotive Service (C-1)  
Drafting and Design (C-1)  
Residential Construction (A)

DELTA COLLEGE (Continued)

ENGINEERING TECHNOLOGIES

Architectural Technology (A)  
Automotive Service Technology (A)  
Electrical Technology (A)  
Mechanical Technology (A)

HEALTH SCIENCES

Dental Assistant Curriculum (A)  
Dental Hygiene (A)  
Emergency Medical Technician (A) (C-1)  
Medical Assistant (A)  
Nursing Curriculum (A)  
Operating Room Technician (C-1)  
Physical Therapist Assistant (A)

Radiologic Technology (A)  
Respiratory Therapy Technician (A)

HOME AND PERSONAL SERVICES

Fashion Curriculum (A)  
Interior Decoration (A)

PUBLIC SERVICES

Child Development (A) (C-1)  
Law Enforcement (A)  
Public Service Social Health (A)  
Public Service Urban Professional  
Assistant (A)

GLEN OAKS COMMUNITY COLLEGE  
109 Shimmel Road  
Centreville, Michigan 49032  
(616) 467-9945

AGRICULTURE AND NATURAL RESOURCES

Agricultural Technology (A)

BUSINESS AND OFFICE SCIENCES

Accounting (A)  
Clerical (C-1)  
Distributive Education (A)  
General Business (A)  
Secretarial (A)

ENGINEERING TECHNOLOGIES

Automotive Technology (A)  
Drafting Technology (A)  
Electronic Technology (A)  
Plastics Technology (A)

HEALTH SCIENCES

Licensed Practical Nursing (C-1)

INDUSTRIAL SCIENCES

Automotive Service (C-1)  
Drafting Certificate (C-1)  
Electronics Certificate (C-1)  
Machine Tool Certificate (C-1)  
Machine Tool Technology (A)  
Plastics Certificate (C-1)  
Welding (C-1)

PUBLIC SERVICES

Law Enforcement (A) (C-1)

GOGEBIC COMMUNITY COLLEGE  
Jackson and Greenbush  
Ironwood, Michigan 49938  
(906) 932-4231

BUSINESS AND OFFICE SCIENCES

Court Reporter (A)  
Executive Secretarial Program (A) (C-2)  
General Business Program (C-1)  
General Clerical Programs (A) (C-1) (C-2)  
Legal Secretary (A)  
Medical Machine Transcription (C-1)  
Medical Secretary (A)  
Retailing Sales (C-1)  
Secretarial Program (C-1)

COMMUNICATIONS AND MEDIA

Commercial Art (A)  
Multi-Media Communications (A)

COMPUTER SCIENCES

Business Data Processing (C-1)

ENGINEERING TECHNOLOGIES

Building Construction Technology (A)  
Electricity-Electronics (A) (C-1)  
Small Engines & Power Equipment (A) (C-2)

HEALTH SCIENCES

Geriatric Nurse Aide (C-1)  
Licensed Practical Nursing (C-1)  
Medical Office Assistant (A) (C-1)

HOME AND PERSONAL SERVICES

Cosmetology (A) (C-1)

HOSPITALITY AND RECREATION

Food Service-Culinary Arts (C-1)  
Parks & Recreation Management (A) (C-1)  
Ski Area Management (A) (C-2)

INDUSTRIAL SCIENCES

Automotive Service (A) (C-1)  
Building Construction (C-1)  
Drafting and Design (A) (C-2)  
Small Engine Specialist (C-1)

PUBLIC SERVICES

Law Enforcement (A)

GRAND RAPIDS JUNIOR COLLEGE  
143 Bostwick, N. E.  
Grand Rapids, Michigan 49502  
(616) 456-4895

BUSINESS AND OFFICE SCIENCES

Accounting (A)  
Business Administration (A)  
Clerical Studies (A)  
Clerical Studies Certificate (C-1)  
Executive Secretarial Studies (A)  
Fashion Merchandising (A)  
Legal Secretarial Studies (A)  
Management (A)  
Marketing (A)  
Marketing Certificate (C-1)  
Medical Secretarial Studies (A)

Office Management (A)  
Property and Casualty Insurance (A)  
Secretarial Studies Certificate (C-1)

COMMUNICATIONS AND MEDIA

Photographic Technology (A)

COMPUTER SCIENCES

Data Processing (A)  
Data Processing Certificate (C-1)

GRAND RAPIDS JUNIOR COLLEGE (Continued)

ENGINEERING TECHNOLOGIES

Air Cond.-Refrigeration-Heating (A)  
Architectural Drafting Technology (A)  
Automotive Technology (A)  
Building Construction Technology (A)  
Electronic Technology (A)  
Industrial Technology-Tooling (A)  
Mechanical Drafting Technology (A)  
Welding Technology (A) (C-1)

HEALTH SCIENCES

Associate Degree Nursing (A)  
Dental Assisting (A)  
Dental Hygiene (A)  
Dental Technology (A)  
Practical Nursing (C-1)  
Radiologic Technology (A)

HOSPITALITY AND RECREATION

Food Service Supervisor (C-1)  
Hotel-Motel Management (A)  
Interiors and Furnishings (A)

INDUSTRIAL SCIENCES

Air Cond.-Refrig.-Heating Cert. (C-1)  
Architectural Drafting Certificate (C-1)  
Automotive Servicing Certificate (C-1)  
Machine Tool Certificate (C-1)  
Mechanical Drafting Certificate (C-1)  
Radio and TV Service Certificate (C-1)

PUBLIC SERVICES

Child Development (A)  
Criminal Justice (A)  
Fire Science Technology (A)

HENRY FORD COMMUNITY COLLEGE  
5101 Evergreen Road  
Dearborn, Michigan 48128  
(313) 271-2750

BUSINESS AND OFFICE SCIENCES

Accounting (A)  
Distribution Technology (A) (C-1)  
General Business (A)  
Industrial Administration (A)  
Legal Assistant (A)  
Retailing (A)  
Secretarial (A) (C-1)  
Transportation Technology (A)

ENGINEERING TECHNOLOGIES

Architectural Construction Technology (A)  
Automotive Technology (A)  
Electronic/Electrical Technology (A)  
Industrial Drafting Technology (A)  
Manufacturing Engineering Technology (A) (C-1)  
Manufacturing Eng. Tech.-Fluid Power (A)  
Manufacturing Eng. Tech.-Metallurgy (A)  
Occupational Health and Safety (A) (C-1)  
Quality Control (A)

COMPUTER SCIENCES

Computer Science Technology (A)

HEALTH SCIENCES

Medical Office Assistant (C-1)  
Medical Records Technology (A) (C-1)  
Nursing Program (A)

HOSPITALITY AND RECREATION

Hospitality Services (A)

INDUSTRIAL SCIENCES

Automotive Servicing (C-1)  
Heating and Cooling (C-1)

PUBLIC SERVICES

Fire Science Technology (A)



HIGHLAND PARK COMMUNITY COLLEGE  
Glendale and Third  
Highland Park, Michigan 48203  
(313) 956-0583

BUSINESS AND OFFICE SCIENCES

Business Technology (A)  
Secretarial (A)

HEALTH SCIENCES

Dental Laboratory Technology (A)  
Hospital Management (A)  
Medical Laboratory Technician (A)  
Medical Office Assistant (C-1)  
Nursing (A)  
Operating Room Technician (C-2)  
Practical Nurse Program (C-1)  
Respiratory Therapy (A) (C-1) (C-2)

ENGINEERING TECHNOLOGIES

Automotive Technology (A)  
Drafting and Design Technology (A)  
Electronic Technology (A)

INDUSTRIAL SCIENCES

Industrial Sculpture (A)  
Industrial Supervision & Management (A)  
Metal Fabrication Technology (A)

PUBLIC SERVICES

Child Development Associate (A) (C-1)

JACKSON COMMUNITY COLLEGE  
2111 Emmons Road  
Jackson, Michigan 49201  
(517) 787-0800

BUSINESS AND OFFICE SCIENCES

Accounting (A) (C-1)  
Business Management (A) (C-1)  
Clerical (C-1)  
Distributive Education (C-1)  
Executive Secretary (A)  
General Clerical (A)  
Legal Secretary (A)  
Marketing-Mid Management (A)  
Medical Secretary (A)  
Stenographic (C-1)

COMPUTER SCIENCES

Data Processing (A) (C-1)

ENGINEERING TECHNOLOGIES

Electromechanical Technology (A)  
Electronics Technology (A) (C-1)  
Industrial Technology (A)  
Mechanical Technology (A)

HEALTH SCIENCES

Associate Degree Nursing (A)  
Dental Laboratory Technician (A)  
Medical Assistant-Office (A)  
Physical Therapy Assistant (A)  
Practical Nursing (C-1)  
X-Ray Technology (A)

INDUSTRIAL SCIENCES

Automotive (A) (C-1)  
Industrial Design Drafting (A) (C-1)  
Industrial Drafting (A) (C-1)  
Machine Shop (A) (C-1)  
Public Utility Drafting (A) (C-1)  
Welding (A) (C-1)

PUBLIC SERVICES

Corrections (A) (C-1)  
Law Enforcement (A) (C-1)  
Security (A) (C-1)

KALAMAZOO VALLEY COMMUNITY COLLEGE  
6767 West "O" Avenue  
Kalamazoo, Michigan 49009  
(616) 375-5000

AGRICULTURE AND NATURAL RESOURCES

Landscape Turf Management (A)

BUSINESS AND OFFICE SCIENCES

Accounting (A)  
Business Administration (A)  
General Clerical (C-1)  
Mid Management Marketing (A)  
Secretarial Science (A)  
Stenographic (A)

COMPUTER SCIENCES

Data Processing (A)

ENGINEERING TECHNOLOGIES

Automotive Body Technology (A)  
Automotive Power Technology (A)  
Construction Technology (A)  
Drafting and Design Technology (A)  
Electronics Technology (A)  
Environmental Control Technology (A)  
Industrial Laboratory Technology (A)  
Machine Tool Technology (A)  
Mechanical Technology (A)  
Radio and TV Service Technology (A)

COMMUNICATIONS AND MEDIA

Radio and TV Broadcast (A)  
Technical Industrial Communications (A)

HEALTH SCIENCES

Dental Assisting (A)  
Dental Hygiene (A)  
Emergency Medical Technician (C-1)  
Medical Assistant (A)  
Medical Records Technology (A)  
Nursing (A)  
Respiratory Therapy Technician (C-2)  
Respiratory Therapy (A)

HOSPITALITY AND RECREATION

Food Service Management (A)  
Recreation Supervision (A)

INDUSTRIAL SCIENCES

Drafting (C-1)

PUBLIC SERVICES

Community Service Assistant (A)  
Law Enforcement (A)

KELLOGG COMMUNITY COLLEGE  
450 North Avenue  
Battle Creek, Michigan 49016  
(616) 965-3931

BUSINESS AND OFFICE SCIENCES

Accounting (A) (C-1)  
Business Management (A)  
Distributive Education (A)  
Finance Operations (A)  
General Business (C-1)  
Legal Assistant (A)  
Management (C-1)  
Medical Secretary (A)

Retailing (C-1)  
Secretarial Education (C-1)  
Secretarial Education - Clerical  
Assistant (A) (C-1)  
Secretarial Training-Executive (A)  
Secretarial Training-Legal (A)  
Transportation (C-1)  
Transportation & Traffic Management (A)

KELLOGG COMMUNITY COLLEGE (Continued)

COMPUTER SCIENCES

EDP-Computer Programming (C-1)  
EDP-Programmer (A)

ENGINEERING TECHNOLOGIES

Automotive Technology (A)  
Chemical Technology (A)  
Drafting and Design Technology (A)  
Electronics Technology (A)  
Industrial Engineering Technology (A)  
Mechanical Technology (A)

HEALTH SCIENCES

Dental Assisting (C-1)  
Dental Hygiene (A)  
Medical Laboratory Technician (A)

Nursing (A)  
Physical Therapist Assistant (A)  
Practical Nursing (C-1)  
Radiologic Technology (A)

INDUSTRIAL SCIENCES

Auto Mechanics (C-1)  
Manufacturing Certificate (C-1)  
Radio and TV Repair (C-1)

PUBLIC SERVICES

Criminal Justice (A)  
Fire Science Technology (A) (C-1)  
Human Service Technician (A)  
Law Enforcement (C-1)

KIRTLAND COMMUNITY COLLEGE  
Route #4, Box 59A  
Roscommon, Michigan 48653  
(517) 275-5121

AGRICULTURE AND NATURAL RESOURCES

Natural Resources Technology (A)

BUSINESS AND OFFICE SCIENCES

Clerical (C-1)  
General Business (C-1)  
Marketing and Retailing (A)  
Secretarial Science (A)

ENGINEERING TECHNOLOGIES

Automotive Technology (A)  
Building Technology (A)  
Civil Technology (A)  
Drafting and Design Technology (A)  
Electronic Service Technology (A)  
Electro-Technology (A)

HEALTH SCIENCES

Practical Nursing (C-1)

HOME AND PERSONAL SERVICES

Cosmetology (A)  
Cosmetology Instructor (C-1)

INDUSTRIAL SCIENCES

Automotive Service (C-1)  
Aviation Maintenance (A)  
Building Trades (C-1)  
Drafting (C-1)  
Electrical Service (C-1)  
Electronics Service (C-1)  
Machine Tool Operation (C-1)  
Manufacturing Processes (A)  
Welding (C-1)  
Welding Technology (A)

PUBLIC SERVICES

Child Care Specialist (A)  
Police Administration (A)

LAKE MICHIGAN COLLEGE  
2755 East Napier Avenue  
Benton Harbor, Michigan 49022  
(616) 927-3571

BUSINESS AND OFFICE SCIENCES

Accounting (A)  
Clerical (C-1)  
Clerical Assistant (A)  
Executive Secretary (A)  
General Business Assistant (A)  
Legal Secretary (A)  
Management Trainee (A)  
Marketing and Retailing (A)  
Medical Secretary (A)  
Secretary (C-1)  
Stenographer (A)

ENGINEERING TECHNOLOGIES

Automotive Technician (A) (C-1) (C-2)  
Drafting and Design Technician (A)  
Electro-Mechanical Technician (A)  
Electronics Technician (A)  
Manufacturing Technician (A)  
Metallurgical Technician (A)

HEALTH SCIENCES

Associate Degree Nursing (A)  
Certified Medical Office  
Assistant (C-1)  
Dental Assistant Program (A)  
Medical Laboratory Technology (A)  
Practical Nursing (C-1)  
Radiologic Technology (A)

HOSPITALITY AND RECREATION

Food Service Management (A)

INDUSTRIAL SCIENCES

Service Technologies (A) (C-2)

PUBLIC SERVICES

Fire Protection Technology (A) (C-1)  
Law Enforcement (A) (C-1)

LANSING COMMUNITY COLLEGE  
419 North Capitol Avenue  
Lansing, Michigan 48914  
(517) 373-7010

BUSINESS AND OFFICE SCIENCES

Accounting (A) (C-1)  
Auto Parts Counterperson (C-1)  
Banking Management (A) (C-1)  
Court and Conference Reporting (A)  
General Clerical (C-1)  
Hospital-Institutional (A)  
Legal Assistant (A)  
Management (A) (C-1)  
Marketing (A) (C-1)  
Medical Transcriptionist (C-1)  
Office Management (A)  
Property Valuation (A) (C-1)  
Secretarial-Engineering (A)  
Secretarial-Legal (A)  
Secretarial-Medical (A)  
Secretary (A)

Service Station Management (C-1)  
Stenographic (C-1)  
Transportation & Traffic Mgmt. (A) (C-1)  
Transportation Training (C-1)

COMMUNICATIONS AND MEDIA

Commercial Art (A) (C-1)  
Journalism (A)  
Library Media Technician (A) (C-1)  
Media Technology (A)  
Photography Technology (A) (C-1)  
Printing-Visual Communications (C-1)

COMPUTER SCIENCES

Data Processing (A) (C-1)

LANSING COMMUNITY COLLEGE (Continued)

ENGINEERING TECHNOLOGIES

Aircraft Maintenance Technology (A)  
Architectural Technology (A)  
Automotive Technology (A)  
Avionics Technology (A)  
Civil Technology (A)  
Drafting Technology (A)  
Electro-Mechanical Technology (A)  
Electronics Technology (A)  
General Aviation Flight Technology (A)  
Heating-Air Conditioning-Refrigeration (A)  
Industrial Management (A)  
Mechanical Technology (A)  
Numerical Control Programmer (A)  
Occupational Safety and Health (A)  
Plastics Technology (A) (C-1)  
Quality Control and Reliability (A) (C-1)

HEALTH SCIENCES

A. D. Nursing (A)  
A. D. Program in Dental Hygiene (A)  
Associate Degree Cytotechnology (A)  
Dental Assistant (C-1)  
Emergency Services Technician (C-1)  
Inhalation Therapy Technician (C-1)  
Medical Office Assistant (A)  
Practical Nursing (C-1)  
Radiologic Technology (A)  
Respiratory Therapy (A)  
Surgical Technician (C-1)

HOME AND PERSONAL SERVICES

Management-Cosmetology (A)

HOSPITALITY AND RECREATION

Food Specialist (A) (C-1)  
Hotel-Motel Management (A) (C-1)

INDUSTRIAL SCIENCES

Appliance Service and Repair (C-1)  
Machine Repair Millwright (C-1)  
Machinist Toolmaker (C-1)  
Millwright (C-1)  
Pipefitter (C-1)  
Sheet Metal (C-1)  
Small Engine Service and Repair (C-1)  
Tool and Die Maker (C-1)  
Welder (C-1)

PUBLIC SERVICES

Child Advocacy (A)  
Child Development Associate (A) (C-1)  
Fire Science Technology (A)  
Human Services (A)  
Law Enforcement (A) (C-1)  
Law Enforcement-Natural Resources (A)  
Public Service Career Educ. (A) (C-1)  
Social Worker Aide (A) (C-1)  
Teacher Assistant (A) (C-1)

MACOMB COUNTY COMMUNITY COLLEGE  
14500 Twelve Mile Road  
Warren, Michigan 48093  
(313) 779-7000 & (313) 286-8000

AGRICULTURE AND NATURAL RESOURCES

Veterinary Technician (A)

BUSINESS AND OFFICE SCIENCES

Accounting (A) (C-1)  
Clerical Studies (A) (C-1)  
Executive Secretary (A) (C-1)  
General Business (A) (C-1)  
Legal Assistant (A) (C-1)

Marketing (A) (C-1)  
Management Program (A)  
Medical Secretary (A) (C-1)  
Real Estate (A) (C-1)

COMMUNICATIONS AND MEDIA

Graphic and Commercial Art (A) (C-1)  
Library Technical Assistant (A) (C-1)  
Printing Technology (A) (C-1)  
Typesetting and Copy Preparation (C-1)

MACOMB COUNTY COMMUNITY COLLEGE (Continued)

COMPUTER SCIENCES

Business Data Processing (A) (C-1)

ENGINEERING TECHNOLOGIES

Architectural Drafting (A) (C-1)  
Auto Body Design (A) (C-1)  
Civil Technology (A) (C-1)  
Climate Control Technology (A) (C-1)  
Electronic Technology (A) (C-1)  
Fluid Power Technology (A) (C-1)  
Industrial Laboratory Technician (A) (C-1)  
Metallurgical Science Technology (A) (C-1)  
Metrology and Calibration Technology  
(A) (C-1)  
Numerical Control Technology (A) (C-1)  
Special Machine Design (A) (C-1)  
Surveying Technology (A) (C-1)

HEALTH SCIENCES

Dental Assistant (A) (C-1)  
Medical Laboratory Technician (A)  
Medical Office Assistant (A) (C-1)  
Mental Retardation Technology (A)

Nursing-A. D. (A)  
Practical Nursing (C-1)  
Respiratory Therapy (A)

HOSPITALITY AND RECREATION

Professional Food Service (A) (C-1)  
Recreation Leadership (A) (C-1)

INDUSTRIAL SCIENCES

Automotive Mechanics (C-1)  
Aviation Mechanics Airframe (A) (C-1)  
Aviation Mechanics Powerplant (A) (C-1)  
Industrial Supervision & Mgmt. (A) (C-1)  
Metals Machining Technology (A) (C-1)  
Radio and TV-Sound Repair (C-1)  
Tool Fixture and Die Design (A) (C-1)  
Welding Technology (A) (C-1)

PUBLIC SERVICES

Crime Laboratory Technician (A) (C-1)  
Fire Science (A) (C-1)  
Law Enforcement (A) (C-1)  
Security and Loss Prevention (A) (C-1)

MID MICHIGAN COMMUNITY COLLEGE

1375 South Clare Avenue

Harrison, Michigan 48625

(517) 386-7792

BUSINESS AND OFFICE SCIENCES

Accounting Degree Program (A) (C-1)  
Executive Secretary (A) (C-1)  
General Business Management (A) (C-1)  
General Clerical One Year (C-1)  
General Clerical Two Year (A)  
Legal Secretary (A) (C-1)  
Marketing and Merchandising Mang. (A) (C-1)  
Medical Secretary (A) (C-1)

Drafting and Design Technology (A) (C-1)  
Electronic Technology (A) (C-1)  
Mechanical Technology (A) (C-1)

HOSPITALITY AND RECREATION

Food Service Technology (A) (C-1)

INDUSTRIAL SCIENCES

Diesel Engine Service (C-1)  
Heating-Refrigeration-Air Cond. (A) (C-1)  
Recreational Vehicle Service (C-1)  
Welding (C-1)

ENGINEERING TECHNOLOGIES

Automotive Technology (A) (C-1)  
Construction Technology (A) (C-1)

MID MICHIGAN COMMUNITY COLLEGE (Continued)

HEALTH SCIENCES

Associate Degree Nursing (A)  
Medical Emergency Technician (C-1)  
Medical Laboratory Technician (A)  
Medical Office Assistant (C-1)  
Mental Health Technician (A) (C-1)

Pharmacy Technician (A)  
Practical Nursing (C-2)  
Radiologic Technology (A)

PUBLIC SERVICES

Child Care and Guidance (A)

MONROE COUNTY COMMUNITY COLLEGE  
1555 South Raisinville Road  
Monroe, Michigan 48161  
(313) 242-7300

BUSINESS AND OFFICE SCIENCES

Accounting (A) (C-1)  
Clerk-Bookkeeper (C-1)  
Clerk-Typist (C-1)  
General Business (C-1)  
Marketing (C-1)  
Mid Management-Marketing-Retailing (A)  
Professional Secretarial Program (A)  
Stenographic (C-1)

COMPUTER SCIENCES

Electronic Data Processing (A)  
Electronic Data Processing Technology (C-1)

HEALTH SCIENCES

Associate Degree Registered Nurse (A)

ENGINEERING TECHNOLOGIES

Architectural Technology (A)  
Automotive Technology (A) (C-1)  
Drafting and Design Technology (A)  
Electronics Technology (A) (C-1)  
Environmental Engineering Technology (A)  
Manufacturing Technology (A)  
Materials Management (A) (C-1)

INDUSTRIAL SCIENCES

Architectural Drafting (C-1)  
Automotive Service Mechanics (C-1)  
Industrial Drafting (C-1)  
Industrial Management (C-1)  
Machine Tools (C-1)  
Welding (C-1)

MONTCALM COMMUNITY COLLEGE  
1464 Sidney Road  
Sidney, Michigan 48885  
(517) 328-2111

BUSINESS AND OFFICE SCIENCES

Clerk-Typist (C-1)  
Executive Secretary (A)  
Mid Management-Retailing (A)  
Stenographer (C-1)

ENGINEERING TECHNOLOGIES

Technical Drafting (A) (C-1)

HEALTH SCIENCES

Practical Nursing (C-1)

INDUSTRIAL SCIENCES

Architectural Construction (C-1)  
Automotive Mechanics (A) (C-2)  
Aviation Mechanics (C-2)  
Welding Practices (C-1)

MUSKEGON COMMUNITY COLLEGE  
P. O. Box 629  
Muskegon, Michigan 49443  
(616) 773-9131

BUSINESS AND OFFICE SCIENCES

Accounting (A)  
Administrative Secretary (A)  
Banking (A)  
Business Office Assistant (A)  
Certified Life Underwriters (A)  
Clerical Career (A)  
Food Distribution (A) (C-1)  
General Clerk (C-1)  
Industrial Secretary (A)  
International Secretary (A)  
Legal Secretary (A)  
Marketing Middle Management (A)  
Medical Secretary (A)  
Medical Stenographer (C-1)  
Receptionist-Typist (C-1)  
Records Clerk (C-1)  
Stenographer (C-1)  
Traffic Management (A) (C-1)

COMMUNICATIONS AND MEDIA

Graphic Reproduction Technology (A)

COMPUTER SCIENCES

Data Processing (A)

ENGINEERING TECHNOLOGIES

Automotive Technology (A)  
Chemical Technology (A)  
Drafting Technology (A)  
Electronics Technology (A)  
Industrial Engineering (A)  
Machining Technology (A)  
Refrigeration & Air Conditioning (A) (C-1)

HEALTH SCIENCES

Dental Assisting (C-1)  
Nurse Assisting (C-1)  
Practical Nursing (C-1)

INDUSTRIAL SCIENCES

Appliance Repair (C-1)  
Cast Metals Technology (A)  
Industrial Welding (A) (C-1)  
Radio and Television Repair (A)  
Recreational Vehicle Maintenance (C-1)

PUBLIC SERVICES

Criminal Justice (A)

NORTH CENTRAL MICHIGAN COLLEGE  
1515 Howard Street  
Petoskey, Michigan 49770  
(616) 347-3973

BUSINESS AND OFFICE SCIENCES

Marketing (A) (C-1)  
Stenographic and Clerical (A) (C-1)

ENGINEERING TECHNOLOGIES

Automotive Service (A) (C-1)  
Drafting Technology (A) (C-1)  
Electronics Technology (A) (C-1)

HEALTH SCIENCES

Registered Nursing (A)  
Respiratory Therapist (A)

INDUSTRIAL SCIENCES

Small Engines & Allied Equip. (A) (C-1)

PUBLIC SERVICES

Criminal Justice (A) (C-1)



NORTHWESTERN MICHIGAN COLLEGE  
1701 East Front Street  
Traverse City, Michigan 49684  
(616) 946-5650

BUSINESS AND OFFICE SCIENCES

Business Administration (A)  
Marketing and Merchandising (A) (C-1)  
Office Administration (A) (C-1)

COMMUNICATIONS AND MEDIA

Commercial Art (A)

COMPUTER SCIENCES

Data Processing Technology (A)

ENGINEERING TECHNOLOGIES

Career Pilot Training (A)  
Drafting and Design Technology (A) (C-1) (C-2)  
Electronics Technology (A) (C-2)  
Great Lakes Maritime Academy (A)  
Petroleum Engineering Tech. (A) (C-1) (C-2)

HEALTH SCIENCES

Dental Assistant (A)  
Medical Assistant (A)  
Practical Nursing (C-1)  
Registered Nursing (A)

HOSPITALITY AND RECREATION

Food Service Technology (A)  
Parks and Recreational Facilities (A)

INDUSTRIAL SCIENCES

Auto Body Repair and Painting (C-1)  
Auto Service Technology (A) (C-1) (C-2)  
Combination Welding (C-1)

PUBLIC SERVICES

Law Enforcement (A)

OAKLAND COMMUNITY COLLEGE  
2480 Opdyke Road  
Bloomfield Hills, Michigan 48013  
(313) 647-6200

AGRICULTURE AND NATURAL RESOURCES

Landscape Technology (A) (C-1)

BUSINESS AND OFFICE SCIENCES

Accounting (A) (C-1)  
Assessment Administration (A) (C-1)  
Automotive Technology/Retailing (A) (C-1)  
Bank Administration (A)  
Conference and Court Reporting (A) (C-1)  
Executive Secretarial (A) (C-1)  
Legal Secretarial (A) (C-1)  
Management Development (A) (C-1)  
Medical Secretarial (A) (C-1)  
Office Assistant (C-1)  
Real Estate Science (A) (C-1)  
Retail Management (A) (C-1)

COMPUTER SCIENCES

Data Processing (A) (C-1)

COMMUNICATIONS AND MEDIA

Audiovisual Technology (A) (C-1)  
Audiovisual Technology-Photo (A) (C-1)  
Graphics and Commercial Art (A) (C-1)  
Library Technical Assistance (A) (C-1)

ENGINEERING TECHNOLOGIES

Automotive Technology (A) (C-1)  
Climate Control Systems (A) (C-1)  
Electronics Technology (A) (C-1)  
Mechanical Design Technology (A) (C-1)  
Vehicle Body Repair (A) (C-1)

OAKLAND COMMUNITY COLLEGE (Continued)

HOSPITALITY AND RECREATION

Commercial Cooking or Baking (C-1)  
Culinary Arts (A) (C-1)  
Food Service Management (A) (C-1)  
Hotel-Motel Management (A) (C-1)

HEALTH SCIENCES

Dental Assisting (C-1)  
Dental Hygiene (A)  
Emergency Medical Technology (C-1)  
Emergency Medical Tech.-Advanced (A) (C-1)  
Hospital Pharmacy Technology (A)  
Medical Office Assistant (A)  
Medical Laboratory Technology (A)  
Mental Health Associate (A)  
Nursing (A.D.N.) (A)  
Respiratory Therapy (A)

HOME AND PERSONAL SERVICES

Cosmetology (A)

INDUSTRIAL SCIENCES

Drafting (C-1)  
Industrial Supervision & Management (A)  
Mechanical Production Tech. (A) (C-1)

PUBLIC SERVICES

Correctional Administration and  
Security Operations (A)  
Firemanship Technology (A) (C-1)  
Industrial Security (A) (C-1)  
Law Enforcement (A) (C-1)  
Police Science-Criminalistics (A) (C-1)  
Retail Security (A) (C-1)

ST. CLAIR COUNTY COMMUNITY COLLEGE

323 Erie Street  
Port Huron, Michigan 48060  
(313) 984-3881

AGRICULTURE AND NATURAL RESOURCES

Agricultural Mechanics (A) (C-1)  
Agricultural Technology (A) (C-1)  
Vocational Agriculture Mechanics (C-1)

BUSINESS AND OFFICE SCIENCES

Administration Assistant (A) (C-1)  
Executive Secretarial (A) (C-1)  
General Clerical (A) (C-1)  
Legal Secretarial (A) (C-1)  
Marketing (A) (C-1)  
Medical Secretarial (A) (C-1)

COMMUNICATIONS AND MEDIA

Advertising Design (A)  
Communications Media (A)

COMPUTER SCIENCES

Data Processing (A) (C-1)

ENGINEERING TECHNOLOGIES

Civil-Architectural Technology (A)  
Drafting and Design Technology (A)  
Electronics Technology (A)  
Manufacturing Technology (A)  
Marine Technology-Engines (A) (C-1)

HOSPITALITY AND RECREATION

Food Service Management (A) (C-1)

INDUSTRIAL SCIENCES

Auto Body Repair (A) (C-1)  
Automotive Mechanics (A) (C-1)  
Diesel and Truck Mechanics (A) (C-1)  
Drafting Certificate (C-1)  
Electrical Certificate (C-1)  
Machine Operation (C-1)  
Vocational Machine Trades (C-1)

ST. CLAIR COUNTY COMMUNITY COLLEGE (Continued)

HEALTH SCIENCES

Associate Degree Nursing (A)  
Medical Technology (A)  
Mental Health Technician (A)  
Practical Nursing (C-1)  
Vocational Nurse Aide (C-1)

PUBLIC SERVICES

Fire Science (C-1)  
Fire Science Technology (A)  
Law Enforcement (A) (C-1)  
Vocational Child Care (C-1)  
Youth Service Worker (A)

SCHOOLCRAFT COLLEGE  
18600 Haggerty Road  
Livonia, Michigan 48151  
(313) 591-6400

BUSINESS AND OFFICE SCIENCES

Accounting (A) (C-1)  
Basic Business (C-1)  
Clerk-Typist (A) (C-1)  
General Business (A)  
Marketing and Applied Management (A)  
Real Estate (A)  
Secretarial-General (A)  
Secretarial-Legal (A)  
Secretarial-Medical (A)

COMPUTER SCIENCES

Data Processing Programs (A) (C-1)

ENGINEERING TECHNOLOGIES

Architecture (A)  
Automotive Service and Management (A)  
Biomedical Equipment Technician (A)  
Civil Technology (A)  
Climate System Technology (A)  
Electronics (A) (C-1)  
Mechanical Design (A)  
Metallurgical Engineering Technology (A)  
Metallurgy (A)

HEALTH SCIENCES

Associate Degree Nursing (A) (C-2)  
Medical Laboratory Technician (A) (C-2)  
Medical Record Technician (A) (C-2)  
Occupational Therapy Assistant (C-1)  
Practical Nursing (C-1)

HOSPITALITY AND RECREATION

Culinary Arts (A) (C-2)

INDUSTRIAL SCIENCES

Air Conditioning (C-1)  
Automotive Service (A)  
Heating (C-1)  
Refrigeration (C-1)  
Tool Design (A)  
Welding Technology (A)

PUBLIC SERVICES

Child Care Development (A)  
Industrial Security (A) (C-1)

SOUTHWESTERN MICHIGAN COLLEGE  
Cherry Grove Road  
Dowagiac, Michigan 49047  
(616) 782-5113

AGRICULTURE AND NATURAL RESOURCES

Agriculture Business (A) (C-2)  
Agriculture Production & Mgmt. (A) (C-2)  
Agriculture Mechanics (A) (C-2)  
Horticulture Production & Mgmt. (A) (C-2)

BUSINESS AND OFFICE SCIENCES

Accounting (A) (C-2)  
Business Management (A) (C-2)  
Legal Assistant (A) (C-2)  
Marketing (A) (C-2)  
Medical Secretary (A) (C-2)  
Secretarial Science (A) (C-1)

ENGINEERING TECHNOLOGIES

Architectural Technology (A) (C-2)  
Chemical Technology (A)  
Drafting Technology (A) (C-2)  
Material Management (A)

COMPUTER SCIENCES

Electronic Data Processing (A) (C-2)

HEALTH SCIENCES

Associate Degree Nursing (A)  
Practical Nursing (C-1)

INDUSTRIAL SCIENCES

Automotive Mechanics (A) (C-2)  
Aviation Mechanics (A) (C-2)  
Industrial and Construction Electricity  
(A) (C-1)  
Machine Tool Technology (A) (C-2)  
Welding (C-1)

PUBLIC SERVICES

Human Services (A) (C-1)  
Library Assistant (A) (C-2)

WASHTENAW COMMUNITY COLLEGE  
4800 East Huron River Drive  
Ann Arbor, Michigan 48106  
(313) 973-3300

BUSINESS AND OFFICE SCIENCES

Accounting Technician (A)  
Clerk-Typist (C-1)  
Management Technician (A)  
Marketing Aide (C-1)  
Marketing Technician (A)  
Secretarial Technician (A)

COMMUNICATIONS AND MEDIA

Commercial Artist (A) (C-2)  
Photographic Technician (A) (C-1)  
Technical Illustrator (A) (C-2)

COMPUTER SCIENCES

Data Processing Technician (A)  
Data Record Operator (C-1)

ENGINEERING TECHNOLOGIES

Architectural Drafting Technology (A)  
Automotive Service Technician (A) (C-2)  
Construction Technician (A)  
Electrical Engineering Tech. (A) (C-2)  
Electro-Mechanical Technician (A) (C-2)  
Electronics Engineering Tech. (A) (C-2)  
Electronic Service Technician (A) (C-2)  
Fluid Power Technician (A) (C-2)  
Industrial Drafting Technician (A) (C-2)  
Inspector-Quality Control (C-1)  
Lighting Construction Tech. Spec. (A)  
Mechanical Engineering Tech. (A) (C-2)  
Metallurgical Technician (A) (C-2)  
Numerical Control Machine Operator (C-1)  
Numerical Control Technician (A) (C-2)  
Quality Control Tech./Supervisor (A) (C-2)  
Refrigeration & Air Conditioning (A) (C-2)

WASHTENAW COMMUNITY COLLEGE (Continued)

HEALTH SCIENCES

Dental Assistant (A) (C-2)  
Dietetic Technician (A) (C-2)  
Licensed Practical Nurse (C-1)  
Medical Office Specialist (A) (C-1) (C-2)  
Radiologic Technologist (A) (C-2)  
Respiratory Therapist (A) (C-2)

INDUSTRIAL SCIENCES

Architectural Drafting Detailer (C-1)  
Auto Body Repairman (C-1)  
Auto Body Service Technology (A) (C-2)  
Automobile Spray Painter (C-1)  
Automotive Mechanic (C-1)

Combination Welder Mechanic (C-1)  
Construction Specialist (C-1)  
Draftsman-Detailer (C-1)  
Electrical Equipment Repairman (C-1)  
Tool Room Machine Operator (C-1)  
Welding Fabrication Technician (A) (C-2)

HOSPITALITY AND RECREATION

Culinary Arts Technician (A) (C-1) (C-2)

PUBLIC SERVICES

Criminal Justice Technician (A) (C-2)  
Public Administration Tech. (A) (C-1)

WAYNE COUNTY COMMUNITY COLLEGE  
4612 Woodward Avenue  
Detroit, Michigan 48201  
(313) 832-5500

AGRICULTURE AND NATURAL RESOURCES

Animal Health Technology I (A) (C-1)

BUSINESS AND OFFICE SCIENCES

Accounting (A) (C-1)  
Administrative Secretary (A) (C-1)  
Court Reporting (A)  
Distributive Education (A) (C-1)  
General Office Clerical (A) (C-1) (C-2)  
Legal Secretary (A)  
Management Supervision (A) (C-1)  
Medical Secretary (A) (C-1)  
Real Estate (A) (C-2)  
Secretarial Science (A) (C-1) (C-2)

COMMUNICATIONS AND MEDIA

Broadcast Technician (A) (C-1)

COMPUTER SCIENCES

Data Processing (A) (C-1)

ENGINEERING TECHNOLOGIES

Architectural Construction Tech. (A) (C-1)  
Automotive Body Repair (A) (C-1)  
Diesel Engine Mechanics Tech. (A) (C-1)  
Drafting Technology (A) (C-2)  
Electro-Mechanical Technology (A) (C-2)  
Electronics Technology (A) (C-1)  
Machine Tool Technology (A) (C-1)  
Metallurgical Technology (A)  
Urban Technology (A) (C-2)

HEALTH SCIENCES

Cardiovascular Technologist (A)  
Certified Laboratory Assistant (A) (C-1)  
Dental Assisting (A) (C-1)  
Dental Laboratory Technician (A)  
Dietetic Technology (A)  
Histopathology Technician (A) (C-1)  
Medical Emergency Technician (A) (C-1)  
Medical Laboratory Technology (A) (C-2)  
Medical Records Technology (A) (C-1)  
Mental Health Work (A) (C-1)  
Nursing Education (A) (C-2)  
Occupational Therapy Assistant (A)  
Respiratory Therapy (A)

WAYNE COUNTY COMMUNITY COLLEGE (Continued)

HOME AND PERSONAL SERVICES

Culinary Arts (A) (C-1)  
Interior Design (A)

HOSPITALITY AND RECREATION

Food Service Technology (A) (C-1)  
Hotel-Motel Management (A) (C-1)  
Recreation Leadership (A) (C-1)

INDUSTRIAL SCIENCES

Automotive Service (A) (C-2)  
Aviation Mechanics (A) (C-2)  
Welding & Fabrication Technology (A) (C-2)

PUBLIC SERVICES

Child Care Technology (A) (C-1)  
Law Enforcement Administration (A) (C-1)

WEST SHORE COMMUNITY COLLEGE  
P. O. Box 277  
Scottville, Michigan 49454  
(616) 845-6211

BUSINESS AND OFFICE SCIENCES

Business Accounting (A)  
Business Management (A)  
Distribution Middle Management (A)  
Secretarial Studies (A) (C-1)

COMPUTER SCIENCES

Data Processing (A) (C-1)

ENGINEERING TECHNOLOGIES

Architectural Drafting (A) (C-1)  
Electronics (A) (C-2)  
Industrial Drafting (A) (C-1)  
Machine Tool Technology (A) (C-1)

HEALTH SCIENCES

Practical Nursing (C-1)

HOSPITALITY AND RECREATION

Hotel-Motel-Restaurant Management  
(A) (C-1)  
Recreation and Camp Supervision (A)

INDUSTRIAL SCIENCES

Auto Body Repair (C-2)  
Auto Service (A) (C-1) (C-2)  
Diesel & Heavy Equipment Repair (C-2)  
Diesel Engine Service (C-2)  
Heavy Equipment Operations (C-2)  
Small Gas Engines and Power (C-1)  
Welding (C-1)

PUBLIC SERVICES

Law Enforcement (A)

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## APPRENTICESHIP INSTRUCTION

Apprenticeship instruction is a planned and supervised on-the-job training program, supplemented with related instruction, in occupations commonly known as the skilled crafts or trades. It is a system in which the employee entering industry is given thorough instruction and experience, both on and off the job, in all the practical and theoretical aspects of the work required in a skilled occupation.

Registered apprenticeship programs contain provisions for organized, related instruction necessary to provide apprentices with knowledge in technical subjects pertaining to the craft or trade. This may include supervised correspondence or self-study courses. A minimum of 144 clock hours each year of apprenticeship is recommended.

Related instruction usually deals with both theory and trade principles and varies in content to suit the particular trade and the apprentice's job situation. Generally, the program includes instruction in applied mathematics, drafting, blueprint reading, shop layout, sketching, physics, and other applied sciences. Instruction is also given in labor and safety laws, regulations and ordinances, industrial and public relations, safety concepts, and the use of tools, equipment, and materials related to the trade or craft.

Local community college educators and Apprenticeship and Training Representatives (ATR) work cooperatively in establishing and improving apprenticeship instruction. When necessary, educators and apprenticeship representatives should collaborate in assisting employers or labor in the formulation of apprenticeship programs.

Apprenticeship standards and agreements are processed through the area Apprenticeship and Training Representative offices. Employers interested in sponsoring an apprentice should be referred to one of the area offices of the Bureau of Apprenticeship and Training.

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ALPENA COMMUNITY COLLEGE  
666 Johnson Street  
Alpena, Michigan 49707  
(517) 356-9021

APPRENTICESHIP TRADES

Carpenters  
Electricians

Millwright  
Plumbers & Pipefitters

BAY DE NOC COMMUNITY COLLEGE  
Danforth Road  
Escanaba, Michigan 49829  
(906) 786-5802

APPRENTICESHIP TRADES

Plumbers & Pipefitters (Itinerant)

CHARLES S. MOTT COMMUNITY COLLEGE  
1401 East Court Street  
Flint, Michigan 48503  
(313) 235-7541

APPRENTICESHIP TRADES

Assembly - Product Engineering  
Bricklaying  
Carpentry  
Die Maker  
Die Sinking  
Electrical  
Hardener, Tool & Die  
Machine Repair  
Miscellaneous  
Machinist - Tool & Die  
Metal Pattern Maker  
Metal Working Machine Operator  
Millwright  
Model Maker  
Pipefitting and/or Plumbing  
Sheet Metal Worker - Product Engineer  
Jig Builder & Repair  
Tinsmith  
Tool and/or Die Design  
Tool Making

Tool & Die Making  
Trimmer Die Making  
Welding  
Wood Pattern Making and/or Woodmaker  
Welding Equipment - Maintenance &  
Repair  
Topographical Draftsman  
Structural Drafting  
Auto, Truck & Trailer Repair  
Air Conditioning & Refrigeration  
Maintenance  
Stationary Engineer Powerhouse  
Experimental Test Mechanic  
Automotive Mechanic  
Heating & Cooling  
Painter  
Jobbing Molder  
Fire Fighters  
Machining  
Construction  
Electrician

DELTA COLLEGE  
University Center, Michigan 48710  
(517) 686-0400

APPRENTICESHIP TRADES

Carpenter	Pattern Maker (672 hrs.)
Carpenter (Building Trades)	Pipefitter
Electrician (Industrial)	Plumber - Pipefitter
Jobbing Molder	Tinsmith
Machine Repair	Tool & Die (576 hrs.)
Millwright	Tool & Die (672 hrs.)
Pattern Maker (576 hrs.)	Tool Machinist

GLEN OAKS COMMUNITY COLLEGE  
Shimmel Road  
Centreville, Michigan 49032  
(616) 467-9945

APPRENTICESHIP TRADES

Tool and Die/Machinist	Millwright
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GOGEBIC COMMUNITY COLLEGE  
Jackson and Greenbush  
Ironwood, Michigan 49938  
(906) 932-4231

APPRENTICESHIP TRADES

No apprenticeship trades reported by college.

GRAND RAPIDS JUNIOR COLLEGE  
143 Bostwick, N.E.  
Grand Rapids, Michigan 49502  
(616) 456-4895

APPRENTICESHIP TRADES

Bricklayer  
Carpenter  
Construction Electrician  
Maintenance Electrician  
Machinist  
Painter & Decorator  
Pipefitter  
Plumber  
Die Cast Die Maker

Die Makers  
Machine Repair  
Millwright  
Pattern Maker  
Tool & Die Maker  
Tool Maker  
Welder  
Maintenance Welder

HENRY FORD COMMUNITY COLLEGE  
5101 Evergreen Road  
Dearborn, Michigan 48128  
(313) 271-2750

APPRENTICESHIP TRADES

Automotive Body Designer  
Automotive Product Designer  
Boilermaker  
Die Designer  
Diemaker  
Diesinker  
Electrician, Industrial  
Experimental Auto Layout &  
Assembly Mechanic  
Experimental Sheet Metalman  
Hardware Sample Maker  
Hydraulic Mechanic, Industrial  
Industrial Truck Mechanic  
Job Molder & Coremaker  
Machine Repairman  
Machinist  
Mechanical Designer  
Metal Model Maker  
Metal Patternmaker  
Millwright

Mold Maker  
Plumber-Pipefitter/Steam Fitter  
Power House Mechanic  
Process Instrument Repairman  
Product Draftsman  
Roll Turner and Grinder  
Sheet Metalman  
Stationary Steam Operating Engineer  
Tool & Die Designer  
Tool & Die Heat Treater  
Tool & Diemaker  
Tool Designer  
Toolmaker  
Toolmaker -- Jig & Fixture  
Truck Mechanic  
Welder  
Welding Equipment Repairman  
Wood Model Maker  
Wood Patternmaker

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HIGHLAND PARK COMMUNITY COLLEGE  
Glendale and Third  
Highland Park, Michigan 48203  
(313) 868-1264

APPRENTICESHIP TRADES

No apprenticeship trades reported by college.

JACKSON COMMUNITY COLLEGE  
2111 Emmons Road,  
Jackson, Michigan 49201  
(517) 787-0800

APPRENTICESHIP TRADES

Auto Machinist	Millwright
Automotive Mechanic	Mold Maker
Carpenter	Pipefitter
Dental Technician	Plumber
Die Maker	Sheet Metal
Drafting	Tool & Die Maker
Industrial Electrician	Tool Design
Industrial Maintenance Mechanic	Tool Maker
Industrial Refrigeration	Truck Mechanic
Institutional Maintenance Mechanic	
Machine Repair	
Machinist	
(Grinder Specialist)	
(Automatic Screw Machine)	
(Tool Grinder)	

KALAMAZOO VALLEY COMMUNITY COLLEGE  
6767 West "O" Avenue  
Kalamazoo, Michigan 49009  
(616) 375-5000

APPRENTICESHIP TRADES

West Michigan Contractors Assoc.  
Millwrights Local 2252 AFL-CIO

KELLOGG COMMUNITY COLLEGE  
450 North Avenue  
Battle Creek, Michigan 49016  
(616) 965-3931

APPRENTICESHIP TRADES

No apprenticeship trades reported by college.

KIRTLAND COMMUNITY COLLEGE  
Route #4, Box 59A  
Roscommon, Michigan 48653

APPRENTICESHIP TRADES

Draftsman  
Electrician-Industrial  
Machinist

Maintenance Mechanic Repairman  
Tool and Die Maker  
Welder

LAKE MICHIGAN COLLEGE  
2755 Napier Avenue  
Benton Harbor, Michigan 49022  
(616) 927-3571

APPRENTICESHIP TRADES

Auto and Truck Repair  
Auto Body Repair  
Business Machine Repair  
Bricklayer  
Carpenter  
Dental Technician  
Die Design  
Die and Moldmaker  
Die Repair  
Electrician  
Glassblower  
Gauge and Layout Inspector  
Jewelry Repair  
Jig and Fixture Builder  
Joiner (Carpenter)  
Locksmith  
Machine Repair  
Machinery Rebuilder  
Machinist  
Maintenance Mechanics

Millwright (Carpenter)  
Millwright (Industrial)  
Modelmaker  
Moldmaker  
Patternmaker  
Piledriver  
Pipefitter (Construction)  
Plater  
Plumber (Construction)  
Plumber (Industrial)  
Printing (Newspaper)  
Scale Repair  
Sign Painter  
Steamfitter (Construction)  
Tool and Cutter Grinder  
Tool and Die Maker  
Tool Maker  
Upholstery  
Welder

LANSING COMMUNITY COLLEGE  
419 North Capitol Avenue  
Lansing, Michigan 48914  
(517) 373-7010

APPRENTICESHIP TRADES

Asbestos Worker	Lather
Automotive & Truck Mechanic	Lithographer
Automotive Body Man	Machine Builder
Automotive Machinist	Machine Repair
Automotive Mechanic	Machine Repairman (Business)
Automotive Painter	Machinist
Bricklaying (Itinerant)	Maintenance (Welder)
Carpenter	Maintenance Machinist
Carpentry (Itinerant)	Maintenance Machinist (Welder)
Construction Mechanics	Maintenance Mechanic
Designer, Industrial	Metal Model Maker
Die Design	Millwright
Die Making	Model & Paternmaker
Die Trimmer Maker	Mold Maker
Die Sinking	Orthotic Technician
Diesel Engine Machinist	Paint & Decorator
Diesel Mechanic	Photo Engraver
Draftsman	Plumbing, Pipefitting (Itinerant)
Drywall Taping	Plumbing, Pipefitting (Industrial)
Electric Motor Repairman	Plumbing, Pipefitting (Maintenance)
Electrical (Construction) (Itinerant)	Refrigeration & Air Conditioning
Electrical (Industrial)	Sheet Metal
Electrical (Maintenance)	Sheet Metal (Industrial)
Electrical (Municipal)	Sheet Metal (Residential)
Electrical (Residential)	Silk Screen Processor
Engraver	Stationary Engineer
Equipment Mechanic	Stone Cutter
Experimental Auto Assembler & Layout	Structural Steel Fabricator
Hardner Tool & Die	Technical - Dental Lab
Industrial Blacksmith	Technical - Optical
Instrument Repair (Music)	Tile Setter
	Tinsmith
	Tool Design
	Tool & Die Making
	Tool Inspection
	Tool Making
	Truck & Trailer Repair (Industrial)
	Welder, Tool & Die

MACOMB COUNTY COMMUNITY COLLEGE-CENTER CAMPUS  
16500 Hall Road  
Mt. Clemens, Michigan 48043  
(313) 286-8000

APPRENTICESHIP TRADES

No apprenticeship trades reported by college.

MACOMB COUNTY COMMUNITY COLLEGE-SOUTH CAMPUS  
14500 Twelve Mile Road  
Warren, Michigan 48093  
(313) 779-7000

APPRENTICESHIP TRADES

Bricklayer - Mason	Maintenance - Refrigeration, Air, Heat & Ventilation
Carpenter	Metal Model Maker
Die Cast Die Maker	Metal Pattern Maker
Die Design	Millwright
Die Maker	Mold & Core Maker
Die Sinker	Mold Maker - Plastic
Draftsman - Engineering Design (N.A.E.C.)	Plumber/Pipefitter
Draftsman - Design	Sheet Metal - Experimental Body
Electrical Construction & Maintenance	Sheet Metal - Structural Fabrication
Electrician - Machine Tool	Tool & Die Heat Treat
Garage Mechanic - Automotive	Tool & Die Maker
Industrial Electrician	Tool Maker
Industrial Hydraulics	Tool Maker/Jig & Fixture
Industrial Lift Truck Mechanic	Water Plant Operator
Lathers	Welder Equipment Repair
Machine Builder - Tool Maker	Welder - Industrial Maintenance
Machine Repair	Wood Model Maker
Machinist	Wood Pattern Maker
Maintenance Mechanic (Industrial)	

MID-MICHIGAN COMMUNITY COLLEGE

1375 South Clare Avenue  
Harrison, Michigan 48625  
(517) 386-7792

APPRENTICESHIP TRADES

Carpenter  
Electrician  
Machinist

Maintenance Mechanic  
Plumber

MONROE COUNTY COMMUNITY COLLEGE  
1555 South Raisinville Road,  
Monroe, Michigan 48161  
(313) 242-7300

APPRENTICESHIP TRADES

Electrical  
Hydraulic  
Industrial Truck Mechanic  
Instrumentation  
Iron Worker  
Machine Repair

Millwright  
Plumbing - Pipefitting  
Sheet Metal  
Stationary Steam  
Tool and Diemaking

MONTCALM COMMUNITY COLLEGE  
Sidney, Michigan 48885  
(517) 328-2111

APPRENTICESHIP TRADES

Machine Repairman

Tool & Die Maker



MUSKEGON COMMUNITY COLLEGE

P.O. Box 629  
Muskegon, Michigan 49443  
(616) 773-9131

APPRENTICESHIP TRADES

Carpenter (Itinerant)  
Die Mold Maker  
Electrical (Itinerant)  
Industrial Electrician  
Ironworker (Itinerant)  
Lithographer  
Machine Repair  
Machinist  
Millwright

Motor Repairman (Itinerant)  
Patternmaker (Metal & Wood)  
Plumber & Steamfitter (Itinerant)  
Sheet Metal (Itinerant)  
Tool & Die Maker  
Toolmaker

NORTH CENTRAL MICHIGAN COLLEGE

1515 Howard Street  
Petoskey, Michigan 49770  
(616) 347-3973

APPRENTICESHIP TRADES

Auto Body Mechanic and Finisher  
Auto Body Repairman  
Electric Motor Repairman/Winder  
Electrician  
Maintenance Mechanic (Millwright)

Plumber  
Plumbing and Heating  
Sheet Metal Worker  
Tool and Die Maker

NORTHWESTERN MICHIGAN COLLEGE

1701 East Front Street  
Traverse City, Michigan 49684  
(616) 946-5650

APPRENTICESHIP TRADES

No apprenticeship trades reported by college.

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OAKLAND COMMUNITY COLLEGE  
2480 Opdyke Road  
Bloomfield Hills, Michigan 48013  
(313) 647-6200

APPRENTICESHIP TRADES

Air Conditioning and Refrigeration (Industrial)	Metal Hardener
Auto, Truck and Trailer Repair	Millwright
Die Designer	Pattern Maker (Metal)
Die Maker	Pattern Maker (Wood)
Draftsman Designer	Pipe Fitter
Experimental Auto (Product Engineer Layout and Assembly)	Tinsmith
Industrial Carpenter	Tool Designer
Industrial Plant Electrician	Tool Machinist - All Around
Instrument Repair	Tool Maker and Jig and Fixture Welder
Machine Repair	Wood Model Maker

ST. CLAIR COUNTY COMMUNITY COLLEGE  
323 Erie Street  
Port Huron, Michigan 48060  
(313) 984-3881

APPRENTICESHIP TRADES

Auto-Body Repair	Millwright/Carpenter, Maintenance
Auto Mechanics	Mold Maker, General
Die Sinker	Mold Maker, Plastics
Electrician Maintenance	Patternmaker, General
Electric Motor Repairman	Patternmaker, Metal
Jig & Fixture Builder	Pipefitter, Maintenance
Machine Repair	Sign Maintenance Mechanic
Machine Builder	Sheet Metal Fabricator
Machinist, General	Tool & Die Designer
Machinist, Maintenance	Tool, Die & Machine Designer
Machinist, N/C, Specialist	Tool & Die Maker
Machinist/Tool Setter	

SCHOOLCRAFT COLLEGE  
18600 Haggerty Road  
Livonia, Michigan 48151  
(313) 591-6400

APPRENTICESHIP TRADES

Air Conditioning and Refrigeration	Millwright
Automotive Mechanic	N.A.T.E.C. Program (Special)
Bakery Maintenance Mechanic	Plumber/Pipefitter, Industrial
Chef (Cook & Baker)	Product Design
Die Maker	Sewing Machine Repair
Die Sinker	Sheet Metal Worker
Fluid Power (Ind-Hydraulics)	Tool Design
Heating and Ventilation	Tool and Die Design
Industrial Electrician	Tool and Die Maker
Machine Design	Tool Maker
Machine Repair (Builder)	Tool Maker, Gages
Machinist A.A. (all around)	Welder, Fabricator
Metal-Model Maker	Wood-Model Maker (Patternmaker)

SOUTHWESTERN MICHIGAN COLLEGE  
Cherry Grove Road  
Dowagiac, Michigan 49047  
(616) 782-5113

APPRENTICESHIP TRADES

No apprenticeship trades reported by college.

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WASHTENAW COMMUNITY COLLEGE  
4800 East Huron River Drive  
Ann Arbor, Michigan 48106  
(313) 971-6300

APPRENTICESHIP TRADES

Auto Body Repairman  
Auto Mechanic  
Carpenter  
Diecast Diemaker  
Electronic Service  
Heating & Ventilating Serviceman  
Hydraulics  
Industrial Electrician  
Industrial Instrumentation  
Industrial Machine Repairman  
Industrial Sewing Machine Repair  
Journeyman  
Machine Builder  
Machinist

Manufacturing Draftsman  
Millwright  
Pipefitter/Steamfitter (Construction)  
Plumber  
Plumber and Pipefitter  
Powerplant Engineer  
Refrigeration/Air Conditioning  
Serviceman  
Tinsmith/Sheetmetal  
Tool and Diemaker  
Tool Maker  
Truck Mechanic  
Welder

WAYNE COUNTY COMMUNITY COLLEGE  
4612 Woodward Avenue  
Detroit, Michigan 48201  
(313) 832-5500

APPRENTICESHIP TRADES

No apprenticeship trades reported by college.

WEST SHORE COMMUNITY COLLEGE  
P.O. Box 277  
Scottville, Michigan 49454  
(616). 845-6211

APPRENTICESHIP TRADES

No apprenticeship trades reported by college.

UNIVERSITY OF MICHIGAN

JUN 15 1968

CLEARINGHOUSE FOR  
JUNIOR COLLEGES

**MICHIGAN STATE BOARD OF EDUCATION  
STATEMENT OF ASSURANCE OF COMPLIANCE WITH FEDERAL LAW**

The Michigan State Board of Education hereby agrees that it will comply with Federal laws prohibiting discrimination and with all requirements imposed by or pursuant to regulations of the U.S. Department of Health, Education and Welfare. Therefore, it shall be the policy of the Michigan State Board of Education that no person on the basis of race, color, religion, national origin or ancestry, age, sex, or marital status shall be discriminated against, excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any federally funded program or activity for which the Michigan State Board of Education is responsible or for which it receives federal financial assistance from the Department of Health, Education and Welfare. This policy of non-discrimination shall also apply to otherwise qualified handicapped individuals.