

DOCUMENT RESUME

ED 282 472

HE 020 211

AUTHOR Shingleton, John D.; Scheetz, L. Patrick
TITLE Estimated Demand for Michigan's College and University Graduates of 1987.
INSTITUTION Michigan State Univ., East Lansing. Placement Services.
PUB DATE [87]
NOTE 31p.
AVAILABLE FROM Michigan State University, Placement Services, 113 Student Services Building, East Lansing, MI 48824.
PUB TYPE Statistical Data (110) -- Reports - Descriptive (141)
EDRS PRICE MF01 Plus Postage. PC Not Available from EDRS.
DESCRIPTORS Associate Degrees; Bachelors Degrees; *College Graduates; Doctoral Degrees; Educational Certificates; Education Work Relationship; *Employment Opportunities; *Graduate Study; Higher Education; *Labor Market; *Majors (Students); Masters Degrees; Professional Education; *Undergraduate Study
IDENTIFIERS *Michigan

ABSTRACT

The current job market for 1987 Michigan college graduates was estimated by placement directors and career counselors at 50 Michigan two-year and four-year colleges and universities. The staff rated supply and demand based on information from graduate surveys, employers, and job listings. For each major, the actual ratings are provided of opportunities for graduates at the following levels: associate and certificate, bachelor's, master's, doctoral, and professional and advanced specialists. The rating scale consists of five categories: many more jobs than graduates available (excellent), some more jobs than graduates (very good), about as many jobs as graduates (good), a few more graduates than jobs (fair), and many more graduates than jobs (poor). A listing of job fields is arranged by the level of demand for 1987 college graduates. The levels used are: excellent, very good, good, fair, poor. The list is grouped by degree level: associate, bachelors, masters, doctoral. Findings include: health services graduates at the associate and certificate level had the highest demand; at the bachelor's level, the highest demand for graduates was in industrial arts, computer and information sciences, health services, and service technologies; and master degree graduates in agricultural sciences, health services, computer and information services, and law had very good job markets. (SW)

 * Reproductions supplied by EDRS are the best that can be made *
 * from the original document. *

ED282472

"PERMISSION TO REPRODUCE THIS
MATERIAL IN MICROFICHE ONLY
HAS BEEN GRANTED BY

John D. Shingleton
Mich State Univ
Placement Services
TO THE EDUCATIONAL RESOURCES
INFORMATION CENTER (ERIC)."

U.S. DEPARTMENT OF EDUCATION
Office of Educational Research and Improvement
EDUCATIONAL RESOURCES INFORMATION
CENTER (ERIC)

- This document has been reproduced as received from the person or organization originating it.
- Minor changes have been made to improve reproduction quality.

• Points of view or opinions stated in this document do not necessarily represent official OERI position or policy.

Placement Services is a Division of
Student Affairs and Services

3

Foreward

Several studies are conducted each year by the Collegiate Employment Research Institute of Placement Services at Michigan State University to obtain information on the job market for college graduates. Among these, Recruiting Trends receives input from personnel administrators and campus recruiters on the demand for selected academic majors. However, in this study, input is received from placement and career planning staff of educational institutions throughout Michigan; thus, a wider range of majors is covered. This report provides information on the anticipated job market for 1987 graduates of two- and four-year institutions and for all degree levels.

This study confirms that the job market has stabilized after several years of growth. The market for engineers has softened, although there should be sufficient positions for most engineering graduates to obtain employment. Improvement is seen in opportunities for agricultural sciences and education graduates. The job market for business and health services graduates remains strong.

We hope you find this report useful in your work. Should you have any questions or need additional copies, please contact the Institute.

John D. Shingleton
Placement Director

L. Patrick Scheetz, Ph.D.
Director of the Institute

BEST COPY AVAILABLE

Acknowledgements

Bill Riley
Data Analyst

Philip Gardner, Ph.D.
Research Administrator

Leighanne Maracle
Administrative Assistant

Special thanks for assistance are extended to personnel at these institutions:

Adrian (1)	Lake Superior State College (3)
Albion (2)	Lansing Community College (1)
Alpena Community College (2)	Madonna College (2)
Aquinas (1)	Marygrove College (1)
Bay De Noc Community College (1)	Mercy College of Detroit (1)
Calvin (1)	Michigan State University (7)
Central Michigan University (4)	Michigan Technological University (2)
Charles Stewart Mott Community College (8)	Monroe County Community College (1)
Davenport College of Business Kalamazoo (?)	Montcalm Community College (1)
Delta College (2)	North Central Michigan College (1)
Detroit College of Business Dearborn (1)	Northern Michigan University (1)
Eastern Michigan University (8)	Northwestern Michigan College (1)
Ferris State University (2)	Northwood Institute (1)
Glen Oaks Community College (1)	Oakland University (5)
GMI Engineering and Management Institute (1)	Olivet College (1)
Gogebic Community College (1)	Saginaw Valley State College (2)
Grand Rapids Junior College (1)	Southwestern Michigan College (1)
Grand Valley State College (2)	Spring Arbor College (1)
Henry Ford Community College (2)	Suomi College (1)
Highland Park Community College (1)	University of Michigan Dearborn (2)
Jackson Community College (2)	University of Michigan Flint (1)
Kalamazoo college (2)	University of Detroit (1)
Kalamazoo Valley Community College (1)	Wayne County Community College (1)
Kirtland Community College (1)	Wayne State University (6)
Lake Michigan College (4)	Western Michigan University (*)

* All Staff Members at this institution collaborated on the rating form. Only one survey was returned.

GENERAL OVERVIEW

Placement directors and career planning counselors at all Michigan two- and four- year colleges and universities were requested to rate the demand situation for 1987 graduates of each academic program offered by their respective institutions. All degree levels were covered in the questionnaires sent to each institution. Responses were received from individuals representing 50 institutions. The institutional response rate was 69% for 2 year public institutions, 93% (14) for public four-year institutions, 48% (16) for private two-year and four- year institutions.

Ratings provided by these placement officials were based on information obtained from follow-up studies of recent graduates, interviewing statistics for employer requests by major, numbers of job listings, and discussions with employers who were recruiting college students.

The following rating scale was designed to measure job market, demand:

<u>Rating</u>	<u>Code</u>	<u>Explanation</u>
<u>Excellent</u> Job Market	5	Many more job opportunities than graduates available.
<u>Very Good</u> Job Market	4	Some more job opportunities than graduates available.
<u>Good</u> Job Market	3	About as many jobs as graduates available.
<u>Fair</u> Job Market	2	A few more graduates than jobs available.
<u>Poor</u> Job Market	1	Many more graduates than jobs available.
<u>College Bound</u>	CB	Majority of graduates from two-year institutions continuing their education at four-year institutions.

For an excellent rating, the mean rating was greater than 4.5; the very good rating ranged from 3.6 to 4.4, the good from 2.6 to 3.5, the fair from 1.6 to 2.5, and the poor was less than 1.5 over. The results are summarized in two tables for each degree level. In the first table (Table 1, 3, 5, and 7), all programs were collapsed by their major CIP groupings. The groups are listed in numerical order according to CIP number and in rank order from highest to lowest. In the second table (Table 2, 4, 6, and 8), each program that was rated is listed with its CIP group. The number of placement officers rating a particular major have been included and can be found under the column designated with an "n".

Associates's Degree and Certificate graduates will face a mixed job market. Nineteen of the major CIP groups were rated good or very good. The demand for health services graduates was rated the highest. Other areas with good demand included business management, office services, technical fields in computers and information sciences, mechanics and construction, manufacturing, and home economics. Sixteen general areas rated fair, including natural resources, agribusiness, and social sciences. Industrial arts and philosophy/religion were rated poor. In the remaining six groups, the majority of graduates continued with their education at four-year institutions.

Of the 293 programs that were rated (Table 2), 55% (161) were rated with "good," "very good," or "excellent" job markets. The highest demand was in ornamental horticulture, typing, automobile vehicles and accessories marketing, surveying, civil technologies, civil drafting, industrial production technologies, and physical therapy assistance. Other areas demonstrating strong job markets included accounting, restaurant management, management science, secretarial programs/executive, word processing, and general office, data processing, electronic technology, manufacturing technology, dental assisting, respiratory therapy, and nursing, (examples with 5 or more placement staff rating the major).

Ninety-two programs (31%) received a fair to poor rating. These programs were found in every major academic area with the majority in agriculture, communications, and performing arts. Graduates of 40 programs were likely to continue their education.

There does not appear to be much difference in these ratings as compared to last year. Engineering and computer/information sciences fields have dropped somewhat over the year, but remain "good" overall. Some fields in agriculture have also experienced a weakening market, particularly in agribusiness and agricultural mechanics. One area that appears to have changed noticeably from last year was protective services where many programs dropped one or two places on the rating scale.

Bachelor's Degree graduates can expect to find slightly fewer job opening than graduates from last year. These findings tend to substantiate employer estimates of hiring quotas for this year, as reported in Recruiting Trends. The highest demand for graduates will be in industrial arts, computer and information sciences, health

services, and science technologies (Table 3). Seventeen of the major degree groups received ratings of "good" and another seventeen were rated "fair" (Table 3). Areas receiving only "fair" ratings included life sciences, letters, foreign languages, social services, visual and performing arts, and communications.

Of the 392 majors rated, 25% (99) were considered to encounter "very good" or "excellent" job markets. Fields of study which were rated the highest were health services (e.g. alcohol/drug abuse specialists, recreational therapy, medicine), business (systems analysis and data processing), retailing for textiles, mathematics and computational skills, and hospitality marketing. A wide variety of fields were rated with "very good" designations, particularly in business (e.g. mathematics and special education), computer science, and technical arts (e.g. electronic, instrumentation, plastics, and manufacturing).

The majority of programs (70%) received "fair" to "good" job market ratings. Graduates from these programs can expect to find job openings but they will face stronger competition. A well thought-out job search may be necessary to secure employment in one of these fields.

Seventeen programs (4%) were rated "poor" as to job market conditions. Except for a few technical fields such as petroleum engineering and biometrics, programs placed in this category were primarily natural resource (conservation, parks and recreation), languages (e.g. Baltic, Slavic and Greek), special studies (e.g. South Asian, peace, and women), literature (comparative, English), anthropology, (humanities, philosophy and theology), and fine arts.

In comparison to 1986, engineering graduates will face a weaker job markets. Last year, engineers in general could expect "good" to "very good" job markets. This year the ratings slipped slightly, ranging from "fair" to "good," with several bright spots (systems engineering, material sciences and mechanical engineering). For teachers, the job market continues to remain strong, particularly in science fields and handicap/special education. At this time, the job market for business majors continues to be strong.

Master Degree graduates in agricultural sciences, health services, computer and information services, and law can expect "very good" job markets (Table 5). Areas with "poor" job conditions include philosophy and religion, liberal or general studies, and area and ethnic studies. The remaining 26 general discipline concentrations were rated "fair" to "good".

Two hundred and twenty-eight (228) programs were evaluated (Table 8). Generally the job market appears to be favorable for most of the programs with 25% receiving a "very good" to "excellent" rating and another 67% with a "fair" to "good" rating. Only, eighteen programs were placed in the "poor" category.

For master's graduates in food sciences, hotel/motel management, transportation management, management science, special education, systems engineering, speech/audiology, and selected health services, the job market this year appears to be excellent.

At the other end of the scale, graduates from American and European studies, mining engineering, languages (Italian and Latin), literature (classics, comparative and English), liberal studies, humanities, philosophy, earth science, and fine arts will face a very tight job market.

When comparing the 1987 ratings with last year's ratings, there does not appear to be any noticeable change in the demand situation for master's candidates. The possible exception is in engineering where the labor market has weakened slightly.

At the Ph.D. level, the job market looks promising for nearly all majors. The best opportunities will be for computer and information sciences and agricultural sciences graduates (Table 1). The tightest job market will be for letters, visual and performing arts, library sciences, social services, philosophy and religion. However, none of the major programs received an overall poor rating.

Of the 116 programs rated, 52% received "very good" to "excellent" ratings. The remaining 58% were rated "fair" to "good" (Table 8). Those programs that received an "excellent" rating were concentrated in engineering, business, health services and agricultural sciences (all fields). There are signs that opportunities for Ph.D. graduates are improving. While the market for business and engineering graduates remained strong, there was improvement in other areas, particularly agriculture, education and natural sciences. Job markets continue to be weak for some fields in social sciences, humanities, particularly history, and fine arts.

Table 1. Demand for Associate's Degree and Certificate Graduates By Program

CIP Order				Rating Order			
CIP	Major	n	Rating	CIP	Major	n	Rating
1	Agribus. & Agricu. Prod.	7	Fair	18	Health Services	40	Very Good
2	Agricultural Sciences	4	Good	6	Business & Management	100	Good
3	Renewable Natural Resources	10	Fair	7	Business & Office	254	Good
4	Arch. & Environ. Design	4	Fair	47	Mechanics and Repairers	51	Good
6	Business & Management	100	Good	43	Protective Services	51	Good
7	Business & Office	254	Good	8	Marketing & Distribution	34	Good
8	Marketing & Distribution	34	Good	10	Communications Technologies	3	Good
9	Communications	11	Fair	46	Construction Trades	7	Good
10	Communications Technologies	3	Good	14	Engineering	28	Good
11	Computer and Information Sci.	30	Good	2	Agricultural Sciences	4	Good
12	Consum. Pers. & Misc. Serv.	11	Fair	20	Vocational Home Economics	56	Good
13	Education	39	Fair	11	Computer and Information Sci.	30	Good
14	Engineering	28	Good	26	Life Sciences	1	Good
15	Engineering & Eng. Rel. Tech.	197	Good	49	Trans. & Material Moving	8	Good
16	Foreign Languages	3	Fair	17	Allied Health	179	Good
17	Allied Health	179	Good	27	Mathematics	4	Good
18	Health Services	40	Very Good	19	Home Economics	4	Good
19	Home Economics	4	Good	48	Precision and Production	55	Good
20	Vocational Home Economics	56	Good	15	Engineering & Eng. Rel. Tech.	117	Good
21	Industrial Arts	2	Poor	1	Agribus. & Agricu. Prod.	7	Fair
22	Law	16	Fair	30	Multi-Interdisciplinary Studies	2	Fair
23	Letters	4	Fair	44	Public Affairs	13	Fair
24	Liberal/General Studies	21	Fair	16	Foreign Languages	3	Fair
25	Library & Archival Science	1	Fair	31	Parks and Recreation	7	Fair
26	Life Sciences	1	Good	3	Renewable Natural Resources	10	Fair
27	Mathematics	4	Good	24	Liberal/General Studies	21	Fair
30	Multi-Interdisciplinary Studies	2	Fair	50	Visual & Performing Arts	40	Fair
31	Parks and Recreation	7	Fair	4	Arch. & Environ. Design	4	Fair
34	Health-Related Activities	1	Coll. Bd.	41	Science Technologies	5	Fair
37	Personal Awareness	1	Coll. Bd.	23	Letters	4	Fair
38	Philosophy and Religion	1	Poor	13	Education	39	Fair
39	Theology	1	Coll. Bd.	25	Library & Archival Science	1	Fair
40	Physical Sciences	9	Coll. Bd.	22	Law	16	Fair
41	Science Technologies	5	Fair	12	Consum. Pers. & Misc. Serv.	11	Fair
42	Psychology	3	Coll. Bd.	9	Communications	11	Fair
43	Protective Services	51	Good	21	Industrial Arts	2	Poor
44	Public Affairs	13	Fair	38	Philosophy and Religion	1	Poor
45	Social Services	11	Coll. Bd.	37	Personal Awareness	1	Coll. Bd.
46	Construction Trades	7	Good	34	Health-Related Activities	1	Coll. Bd.
47	Mechanics and Repairers	51	Good	42	Psychology	3	Coll. Bd.
48	Precision and Production	55	Good	40	Physical Sciences	9	Coll. Bd.
49	Trans. & Material Moving	8	Good	45	Social Services	11	Coll. Bd.
50	Visual & Performing Arts	40	Fair	39	Theology	1	Coll. Bd.

Table 2. Demand for Associate's Degree and Certificate Graduates According to Major CIP Codes - CIP Order

CIP	Major	n	Rating	CIP	Major	n	Rating
0.0000	Apprentice Training	3	Fair	7.0305	Business Data Programming	5	Good
1.0101	Agricultural Bus. & Mgmt. Gen.	2	Fair	7.0401	Office Supervision and Mgmt.	21	Good
1.0102	Agricultural Business	1	Fair	7.0601	Secretarial Programs, General	9	Very Good
1.0201	Agricultural Mechanics, Gen.	1	Fair	7.0602	Court Reporting	4	Very Good
1.9999	Agribus. & Agricul. Production	3	Good	7.0603	Executive Secretarial	21	Very Good
2.0203	Animal Health Technology	1	Good	7.0604	Legal Secretarial	21	Good
2.0306	Food Technology	1	Good	7.0605	Medical Secretarial	21	Good
2.0404	Ornamental Horticulture	1	Excellent	7.0606	Secretarial	22	Good
2.0501	Soil Sciences, General	1	Poor	7.0607	Stenographic	15	Good
3.0101	Renewable Nat. Res. General	3	Poor	7.0608	Word Processing	20	Very Good
3.0202	Conservation	1	Very Good	7.0699	Secretarial Programs, Other	4	Good
3.0401	Forestry Prod. & Processing	1	Excellent	7.0701	Typing, General Office	3	Very Good
3.0405	Logging	1	Good	7.0702	Clerk Typist	11	Good
3.0501	Forestry & Related Sci. Gen.	4	Fair	7.0705	General Office Work	21	Good
4.0101	Arch. & Envir. Design, Gen.	1	Coll. Bd.	7.0707	Receptionist and Communication	2	Very Good
4.0201	Architecture	2	Fair	7.0710	Typing	1	Excellent
4.0501	Interior Design	2	Good	7.9999	Business and Office, Other	1	Fair
6.0101	Business and Management, Gen.	19	Good	8.0102	Fashion Merchandising	6	Good
6.0201	Accounting	14	Good	8.0201	Bus. & Personal Serv. Mktg.	2	Fair
6.0301	Banking and Finance	5	Good	8.0401	Financial Serv. Marketing, Gen.	2	Very Good
6.0401	Business Admin. & Mgmt, Gen.	32	Good	8.0402	Banking Marketing	1	Fair
6.0701	Hotel/Motel Management	4	Good	8.0705	Retailing	6	Good
6.0704	Restaurant Management	3	Very Good	8.0706	Sales	2	Very Good
6.0705	Transportation Management	2	Very Good	8.0799	General Marketing, Other	8	Good
6.1101	Labor/Industrial Relations	1	Coll. Bd.	8.0807	Office Prod. & Equip. Marketing	1	Fair
6.1399	Management Science, Other	6	Very Good	8.1001	Insurance Marketing, General	1	Good
6.1401	Marketing Management	7	Good	8.1104	Tourism	3	Fair
6.1701	Real Estate, General	1	Coll. Bd.	8.1199	Trans. & Travel Marketing, Oth.	1	Poor
6.1801	Small Business Management	5	Fair	8.1203	Auto. Vehicles and Access. Mktg	1	Excellent
6.2001	Trade & Industrial Supervision	1	Very Good	9.0201	Advertising	1	Good
6.9999	Business and Management, Other	1	Fair	9.0401	Journalism	9	Poor
7.0101	Accounting and Bookkeeping	5	Very Good	9.0501	Public Relations	1	Poor
7.0102	Accounting and Computing	18	Very Good	10.0104	Radio & TV Prod. & Bcast Tech.	2	Good
7.0103	Bookkeeping	2	Good	10.0199	Comm. Technologies, Other	1	Fair
7.0201	Banking	2	Good	11.0101	Computer Science General	7	Good
7.0301	Business Data Processing	19	Good	11.0201	Computer Programming	7	Fair
7.0302	Business Computer Operation	3	Good	11.0301	Data Processing	7	Very Good
7.0303	Business Data Entry Equipment	3	Poor	11.0401	Information Sciences & Systems	4	Very Good
				11.9999	Computer Science, Other	5	Good

CIP Order (continued)

CIP	Major	n	Rating	CIP	Major	n	Rating
12.0301	Funeral Services	5	Good	15.0604	Manufacturing Technology	12	Very Good
12.0401	Personal Services, General	1	Poor	15.0607	Plastic Technology	2	Very Good
12.0403	Cosmetology	4	Fair	15.0610	Welding Technology	15	Fair
12.0499	Personal Services, Other	1	Fair	15.0699	Industrial Prod. Tech. Oth.	1	Excellent
13.0101	Education	4	Fair	15.0701	Occ. Safety & Health Tech.	3	Fair
13.1001	Special Education, General	1	Coll. Bd.	15.0702	Quality Control Technology	3	Good
13.1006	Ed. of the Mentally Handicapped	1	Very Good	15.0801	Aeronautical Technology	1	Fair
13.1202	Elementary Education	4	Good	15.0803	Automotive Technology	12	Good
13.1204	Pre-Elementary Education	1	Coll. Bd.	15.0805	Mechanical Design Technology	10	Good
13.1205	Secondary Education	4	Coll. Bd.	15.0899	Mechanical & Related Tech. Oth.	2	Good
13.1302	Art Education	1	Coll. Bd.	15.0903	Petroleum Technology	1	Fair
13.1303	Business Education	8	Fair	15.9999	Engineering Technology, Other	4	Good
13.1305	English Education	1	Good	16.0101	Foreign Languages, Mult. Emph.	2	Fair
13.1306	Foreign Languages Education	1	Good	16.9999	Foreign Languages, Other	1	Fair
13.1309	Industrial Arts Education	2	Good	17.0101	Dental Assisting	18	Very Good
13.1311	Mathematics Education	1	Good	17.0102	Dental Hygiene	14	Good
13.1312	Music Education	1	Good	17.0103	Dental Laboratory Technology	3	Good
13.1314	Physical Education	7	Fair	17.0201	Cardiopulmonary Technology	3	Very Good
13.1316	Science Education	1	Good	17.0205	Emergency Med. Tech. Ambulance	11	Good
13.1399	Teacher Education, Other	1	Good	17.0206	Emergency Med. Tech. Paramedic	3	Fair
13.1401	Teaching Eng. as 2nd Lang.	1	Poor	17.0208	Nuclear Medical Technology	1	Coll. Bd.
13.9999	Education, Other	5	Good	17.0209	Radiograph Medical Technology	13	Good
14.0001	Engineering, Other	5	Good	17.0210	Respiratory Therapy Technology	14	Very Good
14.0801	Civil Engineering	5	Fair	17.0211	Surgical Technology	4	Very Good
14.0901	Computer Engineering	3	Good	17.0212	Ultrasound Technology	2	Very Good
14.1001	Electrical Engineering	5	Good	17.0302	Chemistry Technology	3	Good
14.1101	Industrial Engineering	3	Poor	17.0309	Medical Laboratory Technology	8	Good
14.1901	Mechanical Engineering	6	Good	17.0310	Medical Technology	6	Good
14.9999	Engineering, Other	1	Very Good	17.0401	Addict Rehab. Counseling	1	Good
15.0101	Arch. Des. & Const. Tech.	14	Fair	17.0405	Ment. Health/Hum. Serv. Ass.	3	Fair
15.0201	Civil Technology	1	Coll. Bd.	17.0406	Ment. Health/Hum. Serv. Tech.	2	Fair
15.0202	Drafting and Design Technology	30	Good	17.0408	Therapeutic Child Care Work	1	Coll. Bd.
15.0203	Surveying and Mapping Tech.	1	Excellent	17.0499	Ment. Health/Human Serv. Other	1	Fair
15.0299	Civil Technology, Other	2	Excellent	17.0503	Medical Assisting	14	Good
15.0301	Computer Technology	2	Good	17.0505	Medical Office Management	3	Very Good
15.0502	Electrical Technology	1	Good	17.0506	Medical Records Technology	3	Good
15.0705	Electrical Technology	10	Very Good	17.0599	Misc. Health Services, Other	2	Good
15.0706	Electrical Technology, Other	1	Good	17.0601	Geriatric Aide	6	Good
15.0707	Electrical Technology, Consulting	1	Very Good	17.0602	Nursing Assisting	5	Good
15.0708	Electrical Technology, Maintenance	1	Good	17.0605	Practical Nursing	13	Good
15.0709	Electrical Technology, Management	1	Good	17.0705	Optometric Technology	4	Good
15.0711	Electrical Technology, Management	1	Good	17.0807	Occupational Therapy	1	Coll. Bd.
15.0712	Electrical Technology, Management	1	Good	17.0808	Occupational Therapy Assisting	2	Good
15.0713	Electrical Technology, Management	1	Good	17.0815	Physical Therapy	1	Coll. Bd.
15.0714	Water Resources Technology	2	Very Good	17.0815	Physical Therapy Assisting	2	Excellent
15.0801	Chemical Manufacturing Tech.	1	Excellent	17.0818	Respiratory Therapy	5	Good
15.0803	Industrial Technology	11	Good				

CIP Order (continued)

CIP	Major	n	Rating	CIP	Major	n	Rating
18.0199	Audiology & Speech Pathology	1	Good	30.0101	Biological & Physical Sciences	1	Good
18.0701	Health Care Administration	1	Very Good	30.0401	Humanities & Social Sciences	1	Fair
18.0703	Medical Records Administration	2	Fair	31.0201	Outdoor Recreation	6	Fair
18.1101	Nursing, General	35	Very Good	31.0301	Parks & Recreation Management	1	Fair
18.1201	Optometry	1	Coll. Bd.	34.0101	Health-Related Activities, Gen.	1	Coll. Bd.
18.1401	Pharmacy	1	Fair	37.0199	Personal Awareness, Other	1	Coll. Bd.
18.1701	Pre-Dentistry	3	Coll. Bd.	38.9999	Philosophy and Religion, Other	1	Poor
18.1801	Pre-Medicine	3	Coll. Bd.	39.0501	Religious Music	1	Coll. Bd.
18.1901	Pre-Pharmacy	3	Coll. Bd.	40.0101	Physical Sciences, General	2	Coll. Bd.
18.2001	Pre-Veterinary	3	Coll. Bd.	40.0501	Chemistry, General	3	Coll. Bd.
18.2401	Veterinary Medicine	1	Coll. Bd.	40.0601	Geology	1	Coll. Bd.
19.0101	Home Economics, General	1	Coll. Bd.	40.0702	Oceanography	1	Fair
19.0501	Family Resource Management	1	Fair	40.0801	Physics, General	3	Coll. Bd.
19.0705	Geriatric Services	2	Good	41.0303	Metallurgical Technology	5	Good
20.0102	Child Dev. Care & Guidance	8	Good	42.0101	Psychology, General	3	Coll. Bd.
20.0103	Clothing and Textiles	2	Good	43.0101	Correctional Administration	2	Fair
20.0201	Child Care & Guid. Mgmt, Gen.	1	Fair	43.0102	Corrections	5	Very Good
20.0202	Child Care Aide	11	Fair	43.0103	Criminal Justice Administration	1	Coll. Bd.
20.0205	Teacher Aide	4	Fair	43.0104	Criminal Justice Studies	3	Good
20.0299	Child Care & Guid. Mgmt, Oth.	2	Very Good	43.0105	Criminal Justice Technology	8	Good
20.0301	Clothing Prod. & Serv. Gen.	2	Very Good	43.0107	Law Enforcement	17	Fair
20.0403	Chef/Cook	3	Very Good	43.0108	Law Enforcement Administration	2	Fair
20.0405	Food Catering	1	Very Good	43.0109	Security Services	4	Good
20.0406	Food Service	19	Good	43.0199	Criminal Justice, Other	2	Good
20.0501	Home Furnishings & Equip. Gen.	1	Fair	43.0201	Fire Control & Safety Tech.	8	Fair
20.0506	Home Furnishings Aide	2	Very Good	44.0401	Public Administration	1	Coll. Bd.
21.0106	Graphic Arts	2	Poor	44.0701	Social Work, General	11	Fair
22.0102	Pre-Law	4	Coll. Bd.	44.0799	Social Work, Other	2	Fair
22.0103	Legal Assisting	16	Fair	45.0101	Social Sciences, General	2	Good
23.0101	English, General	5	Coll. Bd.	45.0601	Economics	2	Coll. Bd.
23.0801	Literature, English	1	Coll. Bd.	45.0701	Geography	1	Coll. Bd.
23.1001	Speech, Debate and Forensics	3	Fair	45.0801	History	3	Coll. Bd.
23.9999	Letters, Other	1	Fair	45.1001	Political Science and Govt.	2	Coll. Bd.
24.0101	Liberal Studies	21	Fair	45.1101	Sociology	3	Coll. Bd.
24.0199	Liberal Studies, Other	1	Coll. Bd.				
25.0101	Library and Archival Sciences	1	Fair				
26.0101	Biology, General	3	Coll. Bd.				
26.9999	Life Sciences, Other	1	Good				
27.0101	Mathematics, General	1	Good				

CIP Order (continued)

CIP	Major	n	Rating	CIP	Major	n	Rating
46.0201	Carpentry	1	Good	50.0708	Painting	2	Poor
46.0302	Electrician	2	Good	50.0801	Graphic Arts Technology	4	Fair
46.9999	Construction Trades, Other	4	Good	50.0901	Music, General	8	Fair
47.0101	Electrical Repair, General	1	Fair	50.0902	Music History and Appreciation	2	Poor
47.0103	Communication Electroics	1	Good	50.0903	Music Performance	1	Coll. Bd.
47.0106	Major Appliance Repair	1	Poor	50.0904	Music Theory and Composition	2	Poor
47.0199	Electrical Repair, Other	1	Fair	50.0999	Music, Other	1	Poor
47.0201	Heat. Air Cond. & Ref. Gen.	3	Very Good	50.9999	Visual & Performing Arts, Oth.	1	Poor
47.0301	Indus. Equip. Maint. & Repair	1	Fair				
47.0302	Heavy Equip. Maint. & Repair	2	Good				
47.0602	Aircraft Mechanics	4	Very Good				
47.0603	Automotive Body Repair	6	Good				
47.0604	Automotive Mechanics	26	Good				
47.0605	Liesel Engine Mechanics	2	Good				
47.0606	Small Engine Repair	2	Fair				
47.9999	Mechanics and Repairers, Other	1	Good				
48.0101	Drafting, General	7	Very Good				
48.0102	Architectural Drafting	1	Fair				
48.0103	Civil/Structural Drafting	2	Excellent				
48.0105	Mechanical Drafting	6	Good				
48.0199	Drafting, Other	3	Good				
48.0201	Graphic & Printing Comm. Gen.	1	Fair				
48.0203	Commercial Art	4	Good				
48.0208	Printing Press Operations	1	Poor				
48.0402	Meatcutting	1	Good				
48.0503	Machine Tool Operation	21	Good				
48.0504	Metal Fabrication	1	Good				
48.0506	Sheet Metal	1	Poor				
48.0507	Tool and Die Making	1	Fair				
48.0508	Welding, Brazing & Soldering	3	Good				
48.0604	Plastics	1	Good				
48.0701	Woodworking, General	1	Fair				
49.0102	Airplane Piloting & Navigation	5	Good				
49.0203	Material Handling	1	Poor				
49.0307	Merchant Marine Officers	1	Fair				
49.9999	Trans. & Material Moving, Oth.	1	Fair				
50.0201	Crafts, General	3	Poor				
50.0301	Dance	1	Poor				
50.0401	Design, General	1	Fair				
50.0402	Graphic Design	1	Good				
50.0403	Illustration Design	1	Good				
50.0404	Industrial Design	1	Good				
50.0501	Dramatic Arts	3	Poor				
50.0701	Fine Arts, General	9	Fair				

Table 3. Demand for Bachelor's Degree By Program

CIP Order				Rating Order			
CIP	Major	n	Rating	CIP	Major	n	Rating
1	Agribus. & Agric. Prod.	6	Good	32	Basic Skills	2	Excellent
2	Agricultural Sciences	10	Fair	21	Industrial Arts	11	Very Good
3	Renewable Natural Resources	27	Fair	11	Computer & Information Sci.	52	Very Good
4	Arch. & Environ. Design	25	Fair	18	Health Services	100	Very Good
5	Area & Ethnic Studies	49	Fair	48	Precision and Production	3	Very Good
6	Business & Management	243	Good	49	Trans. & Material Moving	2	Very Good
7	Business & Office	20	Good	41	Science Technologies	7	Very Good
8	Marketing & Distribution	34	Good	12	Consum. Pers. & Misc. Serv.	3	Very Good
9	Communications	65	Fair	22	Law	11	Good
10	Communications Technologies	9	Good	17	Allied Health	86	Good
11	Computer & Information Sci.	52	Very Good	6	Business & Management	243	Good
12	Consum. Pers. & Misc. Serv.	3	Very Good	10	Communications Technologies	9	Good
13	Education	327	Good	19	Home Economics	71	Good
14	Engineering	126	Good		Business & Office	20	Good
15	Engineering & Eng. Rel. Tech.	80	Good	20	Vocational Home Economics	34	Good
16	Foreign Languages	142	Fair	14	Engineering	126	Good
17	Allied Health	86	Good	43	Protective Services	44	Good
18	Health Services	100	Very Good	44	Public Affairs	60	Good
19	Home Economics	71	Good	1	Agribus. & Agric. Prod.	6	Good
20	Vocational Home Economics	34	Good	8	Marketing & Distribution	34	Good
21	Industrial Arts	11	Very Good	40	Physical Sciences	170	Good
22	Law	11	Good	15	Engineering & Eng. Rel. Tech.	80	Good
23	Letters	83	Fair	13	Education	327	Good
24	Liberal/General Studies	23	Fair	25	Library & Archival Sciences	3	Good
25	Library & Archival Sciences	3	Good	27	Mathematics	52	Good
26	Life Science	115	Fair	26	Life Science	115	Fair
27	Mathematics	52	Good	23	Letters	83	Fair
30	Multi-Interdisciplinary Studies	52	Fair	4	Arch. & Environ. Design	25	Fair
31	Parks and Recreation	21	Fair	24	Liberal/General Studies	23	Fair
32	Basic Skills	2	Excellent	42	Psychology	45	Fair
34	Health-Related Activities	2	Fair	31	Parks and Recreation	21	Fair
38	Philosophy and Religion	46	Fair	5	Area & Ethnic Studies	49	Fair
39	Theology	3	Fair	34	Health-Related Activities	2	Fair
40	Physical Sciences	170	Good	16	Foreign Languages	142	Fair
41	Science Technologies	7	Very Good	39	Theology	3	Fair
42	Psychology	45	Fair	45	Social Services	258	Fair
43	Protective Services	44	Good	30	Multi-Interdisciplinary Studies	52	Fair
44	Public Affairs	60	Good	3	Renewable Natural Resources	27	Fair
45	Social Services	258	Fair	38	Philosophy and Religion	46	Fair
48	Precision and Production	3	Very Good	50	Visual & Performing Arts	184	Fair
49	Trans. & Material Moving	2	Very Good	9	Communications	65	Fair
50	Visual & Performing Arts	184	Fair	2	Agricultural Sciences	10	Fair

**Table 4. Demand for Bachelor's Degree According to Major CIP Codes
CIP Order**

CIP	Major	n	Rating	CIP	Major	n	Rating
1.0102	Agricultural Business	1	Good	6.0702	Recreational Enterprises Mgmt.	1	Good
1.0103	Agricultural Economics	2	Good	6.0801	Insurance and Risk Management	2	Very Good
1.9999	Agribus. & Agricul. Production	3	Good	6.0901	International Business Mgmt.	5	Fair
2.0201	Animal Sciences, General	3	Poor	6.1001	Investments and Securities	3	Good
2.0301	Food Sciences, General	2	Good	6.1101	Labor/Industrial Relations	4	Fair
2.0303	Food Distribution	1	Good	6.1201	Management Information Systems	4	Very Good
2.0402	Agronomy	2	Good	6.1301	Business Statistics	2	Good
2.0403	Horticulture Science	2	Good	6.1302	Operations Research	8	Good
3.0101	Renewable Nat. Res. General	5	Fair	6.1399	Management Science, Other	2	Very Good
3.0202	Conservation	1	Poor	6.1401	Marketing Management	20	Good
3.0302	Fisheries	5	Fair	6.1499	Marketing Management & Research	2	Very Good
3.0501	Forestry	7	Fair	6.1501	Organizational Behavior	5	Good
3.0601	Wildlife Management	4	Fair	6.1601	Personnel Management	13	Fair
3.9999	Renewable Nat. Res. Other	5	Fair	6.1701	Real Estate, General	5	Fair
4.0201	Architecture	2	Good	6.1801	Small Business Management	1	Very Good
4.0301	City, Comm. & Reg. Planning	7	Fair	6.2001	Trade and Indus. Sup. & Mgmt.	4	Very Good
4.0401	Environmental Design	1	Fair	6.9999	Business and Management, Other	18	Good
4.0501	Interior Design	13	Fair	7.0306	Business Systems Analysis	2	Excellent
4.0601	Landscape Architecture	2	Fair	7.0399	Business Data Processing	1	Excellent
5.0101	African Studies	3	Fair	7.0401	Office Supervision & Management	3	Very Good
5.0102	American Studies	12	Fair	7.0603	Executive Secretarial	4	Good
5.0103	Asian Studies, General	3	Fair	7.0604	Legal Secretarial	3	Good
5.0104	East Asian Studies	1	Fair	7.0608	Word Processing	2	Very Good
5.0106	European Studies	1	Fair	8.0102	Fashion Merchandising	10	Good
5.0107	Latin American Studies	3	Fair	8.0201	Bus. & Personal Services Mktg.	2	Good
5.0108	Middle Eastern Studies	1	Good	8.0702	Industrial Sales	5	Very Good
5.0110	Russian and Slavic Studies	3	Fair	8.0705	Retailing	3	Very Good
5.0112	South Asian Studies	1	Poor	8.0706	Sales	1	Very Good
5.0199	Area Studies, Other	9	Fair	8.0901	Hospitality & Recreation Mktg.	1	Excellent
5.0201	Afro-American Studies	7	Fair	8.0903	Marketing of Recreational Serv.	1	Very Good
5.0203	Hispanic-American Studies	5	Fair	8.0999	Hospitality & Recreation Mktg.	1	Very Good
6.0101	Business and Mgmt. General	9	Good	8.1001	Insurance Marketing, General	3	Good
6.0201	Accounting	38	Very Good	8.1099	Insurance Marketing, Other	1	Good
6.0301	Banking and Finance	24	Good	8.1104	Tourism	3	Fair
6.0401	Business Admin. & Mgmt. Gen.	37	Good	8.1201	Vehicles & Petroleum Marketing	1	Fair
6.0403	Product Management	6	Very Good	8.9999	Marketing & Distribution, Other	2	Good
6.0499	Business Admin. & Mgmt. Other	7	Good	9.0101	Communications	14	Fair
6.0501	Business Economics	18	Good	9.0201	Advertising	9	Fair
6.0601	Human Resources Development	1	Fair	9.0401	Journalism	15	Fair
6.0701	Hotel/Motel Management	4	Very Good	9.0501	Public Relations	4	Fair
				9.0701	Radio/TV General	14	Fair
				9.2999	Communications, Other	9	Good

CIP Order (continued)

CIP	Major	n	Rating	CIP	Major	n	Rating
10.0101	Educational Media Technology	5	Fair	13.1320	Trade and Industrial Education	1	Very Good
10.0104	Radio & TV Prod. & Brcdst. Tech	2	Good	13.1399	Teacher Education, Other	4	Good
10.0199	Comm. Technologies, Other	2	Good	13.9999	Education, Other	4	Good
11.0101	Computer Science General	37	Very Good	14.0101	Engineering, Other	14	Very Good
11.0301	Data Processing	4	Good	14.0201	Aerospace & Astronautical Eng.	1	Good
11.0401	Information Sci. and Systems	2	Very Good	14.0301	Agricultural Engineering	3	Good
11.9999	Computer Science, Other	9	Very Good	14.0701	Chemical Engineering	11	Fair
12.0301	Funeral Services	3	Very Good	14.0801	Civil Engineering	11	Good
13.0101	Education	8	Fair	14.0901	Computer Engineering	2	Good
13.0201	Bilingual/Bicultural Education	6	Good	14.1001	Electrical Engineering	19	Good
13.0401	Education Admin. General	1	Very Good	14.1101	Engineering Mechanics	2	Very Good
13.0499	Education Admin. Other	1	Very Good	14.1301	Engineering Science	3	Good
13.1001	Special Education, General	11	Very Good	14.1401	Envir. Health Engineering	2	Fair
13.1003	Ed. of Deaf & Hearing Imp.	5	Good	14.1501	Geological Engineering	2	Fair
13.1005	Ed. of Emotionally Handicapped	11	Very Good	14.1701	Industrial Engineering	10	Good
13.1006	Ed. of Mentally Handicapped	10	Very Good	14.1801	Materials Engineering	4	Very Good
13.1008	Ed. of Physically Handicapped	6	Good	14.1901	Mechanical Engineering	19	Good
13.1009	Ed. of Visually Handicapped	6	Good	14.2001	Metallurgical Engineering	11	Good
13.1011	Specific Learning Disabilities	5	Excellent	14.2101	Mining and Mineral Engineering	2	Fair
13.1012	Speech Correction	10	Good	14.2501	Petroleum Engineering	2	Poor
13.1101	Student Counseling	7	Fair	14.2701	Systems Engineering	3	Very Good
13.1201	Adult Education	5	Fair	14.9999	Engineering, Other	5	Good
13.1202	Elementary Education	21	Good	15.0101	Arch. Design & Const. Tech.	2	Fair
13.1203	Junior High Education	2	Good	15.0201	Civil Technology	2	Very Good
13.1204	Pre-Elementary Education	13	Good	15.0202	Drafting and Design Technology	3	Good
13.1205	Secondary Education	6	Good	15.0203	Surveying and Mapping Tech.	1	Excellent
13.1301	Agricultural Education	2	Very Good	15.0302	Electrical Technology	6	Fair
13.1302	Art Education	15	Fair	15.0303	Electronic Technology	2	Very Good
13.1303	Business Education	12	Good	15.0399	Electrical & Electronic Tech.	2	Very Good
13.1304	Driver and Safety Education	5	Fair	15.0401	Biomedical Equipment Technology	2	Fair
13.1305	English Education	8	Fair	15.0403	Electromechanical Technology	6	Good
13.1306	Foreign Languages Education	13	Fair	15.0404	Instrumentation Technology	3	Very Good
13.1307	Health Education	9	Fair	15.0503	Energy Conservation & Use Tech.	5	Fair
13.1308	Home Economics Education	7	Good	15.0504	Sanitation Technology	5	Fair
13.1309	Industrial Arts Education	12	Good	15.0599	Envir. Control Tech. Other	1	Very Good
13.1310	Marketing and Distributive Ed.	6	Good	15.0603	Industrial Technology	14	Good
13.1311	Mathematics Education	12	Very Good	15.0604	Manufacturing Technology	3	Very Good
13.1312	Music Education	16	Fair	15.0607	Plastic Technology	6	Very Good
13.1314	Physical Education	23	Fair	15.0610	Welding Technology	1	Very Good
13.1315	Reading Education	3	Good	15.0699	Industrial Prod. Tech. Other	5	Very Good
13.1316	Science Education	17	Good	15.0701	Occ Safety & Health Tech.	4	Good
13.1317	Social Science Education	8	Fair	15.0801	Aeronautical Technology	1	Fair
13.1318	Social Studies Education	9	Fair	15.0803	Automotive Technology	1	Good
13.1319	Technical Education	7	Good	15.0805	Mechanical Design Technology	1	Very Good
				15.0899	Mech. & Related Tech. Other	2	Very Good
				15.9999	Engineering Technology, Other	2	Good

CIP Order (continued)

CIP	Major	n	Rating	CIP	Major	n	Rating
16.0301	Chinese	2	Very Good	18.1008	Geriatrics	1	Very Good
16.0401	Baltic Languages	2	Poor	18.1099	Medicine, Other	2	Excellent
16.0402	Russian	7	Fair	18.1101	Nursing, General	27	Very Good
16.0403	Slavic Languages	5	Fair	18.1102	Anesthetist	1	Very Good
16.0501	German	24	Fair	18.1105	Nursing Administration	1	Good
16.0601	Greek	7	Fair	18.1107	Public Health	2	Very Good
16.0602	Greek Modern	5	Poor	18.1201	Optometry	1	Good
16.0901	French	29	Fair	18.1301	Osteopathic Medicine	1	Very Good
16.0902	Italian	5	Poor	18.1401	Pharmacy	6	Very Good
16.0903	Latin	10	Fair	18.1701	Pre-Dentistry	10	Good
16.0905	Spanish	30	Good	18.1801	Pre-Medicine	10	Good
16.1101	Arabic	5	Fair	18.1901	Pre-Pharmacy	2	Fair
16.1102	Hebrew	4	Good	18.2001	Pre-Veterinary	1	Good
16.9999	Foreign Languages, Other	7	Good	18.9999	Health Sciences, Other	9	Fair
17.0102	Dental Hygiene	1	Fair	19.0101	Home Economics, General	9	Fair
17.0205	Emergency Med. Tech. Ambulance	2	Very Good	19.0201	Business Home Economics	2	Good
17.0208	Nuclear Medical Technology	2	Very Good	19.0301	Family & Comm. Services, Gen.	3	Fair
17.0209	Radiograph Medical Technology	4	Very Good	19.0401	Family/Consumer Resource Mgmt.	2	Good
17.0306	Cytotechnology	1	Good	19.0501	Family Resource Management	12	Good
17.0309	Medical Laboratory Technology	5	Good	19.0502	Food Science	2	Good
17.0310	Medical Technology	26	Good	19.0503	Dietetics	12	Good
17.0401	Alcohol/Drug Abuse Specialty	1	Excellent	19.0601	Human Envir. & Housing, Gen.	2	Fair
17.0499	Ment. Health/Hum. Serv. Other	5	Good	19.0701	Individual & Family Devel. Gen.	8	Fair
17.0503	Medical Assisting	1	Excellent	19.0704	Family Relations	2	Good
17.0504	Medical Illustration	2	Poor	19.0705	Geriatric Services	2	Very Good
17.0508	Physician Assisting	1	Good	19.0799	Family Dev Other	1	Good
17.0599	Health Services, Other	2	Fair	19.0901	Textiles & Clothing, General	11	Good
17.0799	Ophthalmic Services, Other	2	Fair	19.0902	Fashion Design	1	Very Good
17.0803	Dance Therapy	1	Good	19.0903	Textiles and Clothing, Retail	1	Excellent
17.0804	Exercise Physiology	1	Good	19.9999	Home Economics, Other	1	Fair
17.0806	Music Therapy	4	Fair	20.0102	Child Dev., Care & Guidance	7	Good
17.0807	Occupational Therapy	10	Good	20.0103	Clothing and Textiles	8	Good
17.0813	Physical Therapy	9	Very Good	20.0104	Consumer Education	8	Fair
17.0816	Recreational Therapy	2	Excellent	20.0299	Child Care, Other	2	Very Good
17.0821	Speech Language Path. Aud.	2	Excellent	20.0301	Clothing and Services General	1	Good
17.9999	Allied Health, Other	2	Good	20.0401	Food Prod. Mgmt & Serv. Gen.	3	Good
18.0103	Speech Pathology/Audiology	4	Good	20.0403	Chef/Cook	2	Good
18.0199	Aud. and Speech Path. Other	2	Very Good	20.0406	Food Service	3	Good
18.0299	Clinical Health Sci. Other	1	Good	21.0101	Industrial Arts, General	1	Very Good
18.0301	Chiropractic	1	Good	21.0102	Construction	1	Good
18.0101	Dentistry, General	2	Excellent	21.0103	Drafting and Design	2	Very Good
18.0701	Health Care Administration	10	Good	21.0104	Electricity/Electronics	1	Very Good
18.0703	Medical Records Administration	2	Very Good	21.0105	Energy, Power, and Trans.	2	Very Good
18.0799	Health Sciences Admin. Other	1	Good	21.0106	Graphic Arts	2	Very Good
18.0901	Medical Laboratory	2	Poor	21.0107	Manuf. Materials Processing	1	Very Good
18.1001	Medicine, General	1	Excellent				

CIP Order (continued)

CIP	Major	n	Rating	CIP	Major	n	Rating
21.0199	Industrial Arts, Other	1	Very Good	31.0201	Outdoor Recreation	3	Very Good
22.0102	Pre-Law	6	Good	31.0301	Parks and Recreation Mgmt.	16	Fair
22.0103	Legal Assisting	4	Very Good	31.9999	Parks and Recreation, Other	1	Very Good
22.0199	Law-Other	1	Fair	32.0104	Computational Skills	2	Excellent
23.0101	English, General	36	Fair	34.0101	Health-Related Activities, Gen.	2	Good
23.0201	Classics	7	Poor	38.0101	Philosophy	28	Poor
23.0301	Comparative Literature	2	Fair	38.0201	Religion	14	Fair
23.0601	Linguistics	9	Fair	38.9999	Philosophy and Religion, Other	4	Good
23.0701	Literature, American	2	Fair	39.0601	Theological Studies	1	Very Good
23.0801	Literature, English	11	Fair	39.9999	Theology, Other	2	Fair
23.1001	Speech, Debate and Forensics	11	Fair	40.0101	Physical Sciences, General	10	Fair
23.1101	Technical and Business Writing	1	Very Good	40.0201	Astronomy	1	Fair
23.9999	Letters, Other	4	Fair	40.0301	Astrophysics	2	Good
24.0101	Liberal Studies	12	Fair	40.0501	Chemistry, General	41	Good
24.0199	Liberal Studies, Other	11	Fair	40.0502	Analytical Chemistry	9	Good
25.0401	Library Science	2	Good	40.0503	Inorganic Chemistry	9	Good
25.0501	Museology	1	Fair	40.0504	Organic Chemistry	9	Good
26.0101	Biology, General	45	Good	40.0506	Physical Chemistry	10	Good
26.0201	Biochemistry and Biophysics	19	Good	40.0599	Chemistry, Other	1	Good
26.0301	Botany, General	3	Fair	40.0601	Geology	23	Fair
26.0307	Plant Physiology	2	Fair	40.0603	Geophysics and Seismology	5	Fair
26.0501	Microbiology	12	Fair	40.0701	Metallurgy	2	Very Good
26.0602	Biometrics and Biostatistics	2	Fair	40.0703	Earth Science	12	Fair
26.0603	Ecology	7	Fair	40.0801	Physics, General	29	Good
26.0607	Marine Biology	4	Fair	40.0899	Physics, Other	4	Very Good
26.0612	Toxicology	3	Good	40.9999	Physical Sciences, Other	3	Excellent
26.0701	Zoology, General	3	Fair	41.0301	Chemical Technology	6	Excellent
26.0702	Entomology	2	Fair	41.0305	Oceanographic Technology	1	Fair
26.0706	Physiology, Human and Animal	7	Fair	42.0101	Psychology, General	36	Fair
26.9999	Life Sciences, Other	6	Fair	42.0201	Clinical Psychology	1	Good
27.0101	Mathematics, General	40	Good	42.0401	Community Psychology	1	Very Good
27.0401	Pure Mathematics	2	Very Good	42.0801	Experimental Psychology	1	Very Good
27.0501	Statistics	6	Good	42.0901	Indus. & Organ. Psychology	2	Good
27.9999	Mathematics, Other	4	Excellent	42.1601	Social Psychology	2	Fair
30.0101	Biological & Physical Sciences	13	Good	42.9999	Psychology, Other	2	Good
30.0301	Engineering & Other Disciplines	2	Good	43.0101	Correctional Administration	6	Fair
30.0401	Humanities and Social Sciences	13	Fair	43.0102	Corrections	1	Good
30.0501	Peace Studies	6	Poor	43.0103	Criminal Justice Admin.	2	Fair
30.0701	Women's Studies	6	Poor	43.0104	Criminal Justice Studies	10	Good
30.9999	Interdisciplinary Stud. Other	12	Fair				
31.0101	Parks and Recreation, General	1	Poor				

CIP Order (continued)

CIP	Major	n	Rating	CIP	Major	n	Rating
43.0107	Law Enforcement	6	Fair	50.0706	Intermedia	1	Fair
43.0199	Criminal Justice, Other	7	Good	50.0708	Painting	7	Poor
43.0201	Fire Control & Safety Tech.	2	Very Good	50.0709	Sculpture	7	Good
43.0202	Fire Protection Administration	2	Very Good	50.0801	Graphic Arts Technology	1	Fair
43.0203	Firefighting	2	Good	50.0901	Music, General	23	Fair
44.0101	Public Affairs, General	5	Fair	50.0902	Music History and Appreciation	3	Fair
44.0201	Community Services	4	Good	50.0903	Music Performance	14	Fair
44.0401	Public Administration	18	Fair	50.0904	Music Theory and Composition	7	Fair
44.0501	Public Policy Studies	4	Very Good	50.9999	Visual & Performing Arts, Other	3	Fair
44.0701	Social Work, General	28	Good				
44.0799	Social Work, Other	1	Very Good				
45.0101	Social Sciences, General	26	Fair				
45.0201	Anthropology	22	Poor				
45.0401	Criminology	5	Good				
45.0601	Economics	34	Good				
45.0701	Geography	18	Fair				
45.0801	History	42	Fair				
45.0901	International Relations	11	Fair				
45.1001	Political Science and Govt.	38	Fair				
45.1101	Sociology	42	Fair				
45.1201	Urban Studies	11	Fair				
45.9999	Social Sciences, Other	9	Fair				
48.0201	Graphic and Printing Comm.	1	Very Good				
48.0203	Commercial Art	2	Very Good				
49.0104	Aviation Management	2	Very Good				
50.0202	Ceramics	1	Fair				
50.0204	Fiber/Textiles/Weaving	1	Fair				
50.0206	Metal/jewelry	1	Fair				
50.0299	Crafts, Other	1	Fair				
50.0301	Dance	11	Poor				
50.0401	Design, General	2	Good				
50.0402	Graphic Design	2	Good				
50.0403	Illustration Design	2	Good				
50.0404	Industrial Design	2	Good				
50.0499	Design, Other	6	Fair				
50.0501	Dramatic Arts	29	Fair				
50.0602	Cinematography/Film	3	Fair				
50.0605	Photography	10	Fair				
50.0699	Film Arts, Other	1	Poor				
50.0701	Fine Arts, General	27	Fair				
50.0703	Art History and Appreciation	12	Fair				
50.0705	Drawing	7	Fair				

Table 5. Demand for Master's Degree By Program

CIP Order				Rating Order			
CIP	Major	n	Rating	CIP	Major	n	Rating
1	Agribus. & Agricu. Prod.	4	Good	22	Law	11	Very Good
2	Agricultural Sciences	6	Very Good	2	Agricultural Sciences	6	Very Good
3	Renewable Natural Resources	5	Good	18	Health Services	66	Very Good
4	Arch. & Environ. Design	13	Fair	11	Computer & Information Sci.	21	Very Good
5	Area & Ethnic Studies	12	Poor	6	Business & Management	115	Good
6	Business & Management	115	Good	14	Engineering	95	Good
9	Communications	16	Good	1	Agribus. & Agricu. Prod.	4	Good
11	Computer & Information Sci.	21	Very Good	27	Mathematics	32	Good
13	Education	254	Good	17	Allied Health	16	Good
14	Engineering	95	Good	15	Engineering & Eng. Rel. Tech.	5	Good
15	Engineering & Eng. Rel. Tech.	5	Good	44	Public Affairs	25	Good
16	Foreign Languages	54	Fair	13	Education	254	Good
17	Allied Health	16	Good	26	Life Science	72	Good
18	Health Services	66	Very Good	40	Physical Sciences	74	Good
19	Home Economics	34	Fair	42	Psychology	24	Good
20	Vocational Home Economics	5	Fair	9	Communications	16	Good
22	Law	11	Very Good	43	Protective Services	10	Good
23	Letters	38	Fair	3	Renewable Natural Resources	5	Good
24	Liberal/General Studies	3	Poor	19	Home Economics	34	Fair
25	Library & Archival Sciences	6	Fair	25	Library & Archival Sciences	6	Fair
26	Life Science	72	Good	31	Parks and Recreation	9	Fair
27	Mathematics	32	Good	34	Health Related Activities	5	Fair
30	Multi-Interdisciplinary Studies	12	Fair	20	Vocational Home Economics	5	Fair
31	Parks and Recreation	9	Fair	39	Theology	1	Fair
34	Health Related Activities	5	Fair	30	Multi-Interdisciplinary Studies	12	Fair
38	Philosophy and Religion	8	Poor	4	Arch. & Environ. Design	13	Fair
39	Theology	1	Fair	23	Letters	38	Fair
40	Physical Sciences	74	Good	45	Social Services	76	Fair
42	Psychology	24	Good	16	Foreign Languages	54	Fair
43	Protective Services	10	Good	50	Visual & Performing Arts	53	Fair
44	Public Affairs	25	Good	38	Philosophy and Religion	8	Poor
45	Social Services	76	Fair	24	Liberal/General Studies	3	Poor
50	Visual & Performing Arts	53	Fair	5	Area & Ethnic Studies	12	Poor

**Table 6. Demand for Master's Degree According to Major CIP Codes
CIP Order**

CIP	Major	n	Rating	CIP	Major	n	Rating
1.0103	Agricultural Economics	2	Good	11.0101	Computer Science General	13	Very Good
1.9999	Agribusiness & Agricul. Prod.	2	Good	11.0401	Information Sciences & Systems	6	Good
2.0301	Food Sciences, General	2	Excellent	11.9999	Computer Science, Other	2	Good
2.0402	Agronomy	2	Good	13.0101	Education	7	Good
2.0403	Horticulture Science	2	Very Good	13.0201	Bilingual/Bicultural Education	7	Good
3.0101	Renewable Nat. Res., Gen.	1	Good	13.0301	Curriculum and Instruction	5	Good
3.0501	Forestry	3	Good	13.0401	Education Admin., General	9	Good
3.0601	Wildlife Management	1	Fair	13.0404	Educational Supervision	5	Fair
4.0301	City, Comm. & Reg. Planning	7	Fair	13.0405	Elem. & Sec. Ed. Administration	3	Good
4.0501	Interior Design	6	Fair	13.0406	Higher Education Administration	2	Very Good
5.0102	American Studies	6	Poor	13.0407	Comm. College Education Admin.	2	Good
5.0105	Eastern European Studies	5	Poor	13.0501	Educational Media	5	Fair
5.0199	Area Studies, Other	1	Fair	13.0601	Evaluation and Research, Gen.	1	Very Good
6.0101	Business and Mgmt, General	3	Good	13.0603	Ed. Statistics and Research	5	Fair
6.0201	Accounting	17	Very Good	13.0604	Ed. Testing and Evaluation	2	Very Good
6.0301	Banking and Finance	10	Very Good	13.0801	School Psychology	10	Fair
6.0401	Business Admin. & Mgmt, Gen.	29	Good	13.0901	Social Foundations	6	Fair
6.0499	Business Admin. & Mgmt, Other	3	Good	13.1001	Special Education, General	13	Very Good
6.0501	Business Economics	6	Good	13.1003	Ed of Deaf and Hearing Impaired	1	Very Good
6.0701	Hotel/Motel Management	2	Excellent	13.1005	Ed. of the Emot. Handicapped	2	Excellent
6.0705	Transportation Management	2	Excellent	13.1006	Ed. of the Ment. Handicapped	2	Very Good
6.1101	Labor/Industrial Relations	7	Good	13.1008	Ed. of the Phys. Handicapped	1	Very Good
6.1301	Business Statistics	1	Good	13.1009	Ed. of the Vis. Handicapped	2	Very Good
6.1302	Operations Research	7	Good	13.1011	Specific Learning Disabilities	4	Excellent
6.1399	Management Science, Other	3	Excellent	13.1012	Speech Correction	1	Excellent
6.1401	Marketing Management	10	Very Good	13.1099	Special Education, Other	1	Very Good
6.1501	Organizational Behavior	6	Good	13.1101	Student Counseling	14	Good
6.1601	Personnel Management	2	Very Good	13.1201	Adult Education	6	Good
6.1901	Taxation	2	Very Good	13.1202	Elementary Education	12	Good
6.9999	Business and Management, Other	5	Good	13.1203	Junior High Education	2	Good
9.0101	Communications	3	Good	13.1204	Pre-Elementary Education	9	Good
9.0201	Advertising	3	Good	13.1205	Secondary Education	4	Fair
9.0401	Journalism	3	Good	13.1299	Teacher Education, Other	2	Fair
9.0501	Public Relations	2	Good	13.1302	Art Education	10	Fair
9.0701	Radio/TV General	3	Good	13.1303	Business Education	3	Good
9.9999	Communications, Other	2	Fair	13.1305	English Education	9	Fair
				13.1306	Foreign Languages Education	5	Fair
				13.1309	Industrial Arts Education	10	Good
				13.1311	Mathematics Education	10	Very Good
				13.1312	Music Education	5	Good
				13.1314	Physical Education	9	Fair
				13.1315	Reading Education	18	Good
				13.1316	Science Education	10	Very Good

CIP Order (continued)

CIP	Major	n	Rating	CIP	Major	n	Rating
13.1317	Social Science Education	2	Fair	18.1003	Anesthesiology	4	Very Good
13.1318	Social Studies Education	5	Fair	18.1009	Immunology	4	Very Good
13.1319	Technical Education	6	Good	18.1101	Nursing, General	4	Very Good
13.1399	Teacher Education, Other	1	Very Good	18.1102	Anesthetist	2	Good
13.1401	Teaching Eng. as 2nd Lang.	1	Good	18.1103	Maternal/Child Health	6	Excellent
13.9999	Education, Other	5	Fair	18.1104	Medical Surgical	5	Excellent
14.0101	Engineering, Other	1	Excellent	18.1106	Psychiatric/Mental Health	5	Excellent
14.0301	Agricultural Engineering	2	Good	18.1107	Public Health	5	Good
14.0701	Chemical Engineering	11	Good	18.1199	Nursing, Other	5	Good
14.0801	Civil Engineering	11	Good	18.1401	Pharmacy	5	Very Good
14.0901	Computer Engineering	6	Very Good	13.9999	Health Sciences, Other	4	Fair
14.1001	Electrical Engineering	13	Very Good	19.0101	Home Economics, General	5	Fair
14.1101	Engineering Mechanics	4	Very Good	19.0301	Family and Comm Services, Gen.	1	Fair
14.1501	Geological Engineering	2	Fair	19.0403	Family Economics	1	Fair
14.1701	Industrial Engineering	8	Good	19.0501	Family Resource Management	6	Good
14.1801	Materials Engineering	2	Very Good	19.0502	Food Science	1	Fair
14.1901	Mechanical Engineering	13	Good	19.0601	Human Envir. & Housing, Gen.	2	Fair
14.2001	Metallurgical Engineering	10	Good	19.0701	Individual & Family Devel. Gen.	5	Fair
14.2101	Mining and Mineral Engineering	2	Poor	19.0704	Family Relations	2	Fair
14.2701	Systems Engineering	2	Excellent	19.0801	International Home Economics	2	Good
14.9999	Engineering, Other	8	Very Good	19.0901	Textiles and Clothing, General	8	Good
15.0603	Industrial Technology	3	Good	19.9999	Home Economics, Other	1	Fair
15.9999	Engineering Technology, Other	2	Good	20.0104	Consumer Education	4	Fair
16.0402	Russian	7	Fair	20.0401	Food Prod. Mgmt & Serv. Gen.	1	Good
16.0501	German	7	Fair	22.0101	Law	5	Very Good
16.0601	Greek	5	Poor	22.0199	Law-Other	6	Very Good
16.0901	French	8	Fair	23.0101	English, General	14	Fair
16.0902	Italian	5	Poor	23.0201	Classics	5	Poor
16.0903	Latin	5	Poor	23.0301	Comparative Literature	5	Poor
16.0905	Spanish	9	Fair	23.0401	Composition	1	Very Good
16.9999	Foreign Languages, Other	8	Fair	23.0501	Creative Writing	3	Fair
17.0310	Medical Technology	5	Good	23.0601	Linguistics	7	Fair
17.0804	Exercise Physiology	1	Good	23.0701	Literature, American	2	Fair
17.0806	Music Therapy	2	Good	23.0801	Literature, English	1	Poor
17.0807	Occupational Therapy	6	Very Good	24.0101	Liberal Studies	2	Fair
17.0821	Speech Language Path. Aud.	1	Excellent	24.0199	Liberal Studies, Other	1	Poor
17.9999	Allied Health, Other	1	Good	25.0101	Library and Archival Sciences	5	Fair
18.0103	Speech Pathology/Audiology	10	Very Good	25.0401	Library Science	1	Good
18.0203	Clinical Microbiology	2	Fair	26.0101	Biology, General	16	Good
18.0403	Endodontics	1	Very Good	26.0201	Biochemistry and Biophysics	7	Good
18.0406	Orthodontics	1	Very Good	26.0301	Botany, General	7	Fair
18.0701	Health Care Administration	1	Good				
18.0799	Health Sciences Admin., Other	2	Very Good				

CIP Order (continued)

CIP	Major	n	Rating	CIP	Major	n	Rating
26.0302	Bacteriology	5	Good	43.0102	Corrections	1	Good
26.0501	Microbiology	7	Good	43.0104	Criminal Justice Studies	8	Fair
26.0601	Anatomy	6	Good	43.0108	Law Enforcement Administration	1	Good
26.0602	Biometrics and Biostatistics	1	Good	44.0101	Public Affairs, General	0	Good
26.0701	Zoology, General	2	Fair	44.0201	Community Services	0	Good
26.0702	Entomology	2	Good	44.0401	Public Administration	1	Fair
26.0703	Pathology, Experimental	1	Fair	44.0501	Public Statistics	0	Fair
26.0704	Physiology, Experimental	1	Fair	44.0701	General Work, Agriculture	0	Fair
26.0705	Physiology, Human	1	Fair	44.0702	General Work, Agriculture	0	Fair
26.0706	Physiology, Veterinary	1	Fair	44.0703	Anthropology	0	Fair
26.0707	Physiology, Other	1	Fair	44.0704	Criminology	0	Fair
26.0708	Physiology, Other	1	Fair	44.0601	Economics	11	Fair
26.0709	Physiology, Other	1	Fair	44.0701	Geography	11	Fair
26.0710	Physiology, Other	1	Fair	44.0801	History	12	Fair
26.0711	Physiology, Other	1	Fair	44.0901	International Relations	1	Fair
26.0712	Physiology, Other	1	Fair	44.1001	Political Sci. and Government	10	Fair
26.0713	Physiology, Other	1	Fair	44.1101	Sociology	12	Fair
26.0714	Physiology, Other	1	Fair	50.0501	Dramatic Arts	9	Fair
26.0715	Physiology, Other	1	Fair	50.0701	Fine Arts, General	10	Fair
26.0716	Physiology, Other	1	Fair	50.0703	Art History and Appreciation	6	Poor
26.0717	Physiology, Other	1	Fair	50.0708	Painting	5	Poor
26.0718	Physiology, Other	1	Fair	50.0709	Sculpture	5	Poor
26.0719	Physiology, Other	1	Fair	50.0901	Music, General	6	Poor
26.0720	Physiology, Other	1	Fair	50.0902	Music History and Appreciation	3	Fair
26.0721	Physiology, Other	1	Fair	50.0903	Music Performance	7	Fair
26.0722	Physiology, Other	1	Fair	50.0904	Music Theory and Composition	2	Fair
26.0723	Physiology, Other	1	Fair				
26.0724	Physiology, Other	1	Fair				
26.0725	Physiology, Other	1	Fair				
26.0726	Physiology, Other	1	Fair				
26.0727	Physiology, Other	1	Fair				
26.0728	Physiology, Other	1	Fair				
26.0729	Physiology, Other	1	Fair				
26.0730	Physiology, Other	1	Fair				
26.0731	Physiology, Other	1	Fair				
26.0732	Physiology, Other	1	Fair				
26.0733	Physiology, Other	1	Fair				
26.0734	Physiology, Other	1	Fair				
26.0735	Physiology, Other	1	Fair				
26.0736	Physiology, Other	1	Fair				
26.0737	Physiology, Other	1	Fair				
26.0738	Physiology, Other	1	Fair				
26.0739	Physiology, Other	1	Fair				
26.0740	Physiology, Other	1	Fair				
26.0741	Physiology, Other	1	Fair				
26.0742	Physiology, Other	1	Fair				
26.0743	Physiology, Other	1	Fair				
26.0744	Physiology, Other	1	Fair				
26.0745	Physiology, Other	1	Fair				
26.0746	Physiology, Other	1	Fair				
26.0747	Physiology, Other	1	Fair				
26.0748	Physiology, Other	1	Fair				
26.0749	Physiology, Other	1	Fair				
26.0750	Physiology, Other	1	Fair				
26.0751	Physiology, Other	1	Fair				
26.0752	Physiology, Other	1	Fair				
26.0753	Physiology, Other	1	Fair				
26.0754	Physiology, Other	1	Fair				
26.0755	Physiology, Other	1	Fair				
26.0756	Physiology, Other	1	Fair				
26.0757	Physiology, Other	1	Fair				
26.0758	Physiology, Other	1	Fair				
26.0759	Physiology, Other	1	Fair				
26.0760	Physiology, Other	1	Fair				
26.0761	Physiology, Other	1	Fair				
26.0762	Physiology, Other	1	Fair				
26.0763	Physiology, Other	1	Fair				
26.0764	Physiology, Other	1	Fair				
26.0765	Physiology, Other	1	Fair				
26.0766	Physiology, Other	1	Fair				
26.0767	Physiology, Other	1	Fair				
26.0768	Physiology, Other	1	Fair				
26.0769	Physiology, Other	1	Fair				
26.0770	Physiology, Other	1	Fair				
26.0771	Physiology, Other	1	Fair				
26.0772	Physiology, Other	1	Fair				
26.0773	Physiology, Other	1	Fair				
26.0774	Physiology, Other	1	Fair				
26.0775	Physiology, Other	1	Fair				
26.0776	Physiology, Other	1	Fair				
26.0777	Physiology, Other	1	Fair				
26.0778	Physiology, Other	1	Fair				
26.0779	Physiology, Other	1	Fair				
26.0780	Physiology, Other	1	Fair				
26.0781	Physiology, Other	1	Fair				
26.0782	Physiology, Other	1	Fair				
26.0783	Physiology, Other	1	Fair				
26.0784	Physiology, Other	1	Fair				
26.0785	Physiology, Other	1	Fair				
26.0786	Physiology, Other	1	Fair				
26.0787	Physiology, Other	1	Fair				
26.0788	Physiology, Other	1	Fair				
26.0789	Physiology, Other	1	Fair				
26.0790	Physiology, Other	1	Fair				
26.0791	Physiology, Other	1	Fair				
26.0792	Physiology, Other	1	Fair				
26.0793	Physiology, Other	1	Fair				
26.0794	Physiology, Other	1	Fair				
26.0795	Physiology, Other	1	Fair				
26.0796	Physiology, Other	1	Fair				
26.0797	Physiology, Other	1	Fair				
26.0798	Physiology, Other	1	Fair				
26.0799	Physiology, Other	1	Fair				
26.0800	Physiology, Other	1	Fair				
26.0801	Physiology, Other	1	Fair				
26.0802	Physiology, Other	1	Fair				
26.0803	Physiology, Other	1	Fair				
26.0804	Physiology, Other	1	Fair				
26.0805	Physiology, Other	1	Fair				
26.0806	Physiology, Other	1	Fair				
26.0807	Physiology, Other	1	Fair				
26.0808	Physiology, Other	1	Fair				
26.0809	Physiology, Other	1	Fair				
26.0810	Physiology, Other	1	Fair				
26.0811	Physiology, Other	1	Fair				
26.0812	Physiology, Other	1	Fair				
26.0813	Physiology, Other	1	Fair				
26.0814	Physiology, Other	1	Fair				
26.0815	Physiology, Other	1	Fair				
26.0816	Physiology, Other	1	Fair				
26.0817	Physiology, Other	1	Fair				
26.0818	Physiology, Other	1	Fair				
26.0819	Physiology, Other	1	Fair				
26.0820	Physiology, Other	1	Fair				
26.0821	Physiology, Other	1	Fair				
26.0822	Physiology, Other	1	Fair				
26.0823	Physiology, Other	1	Fair				
26.0824	Physiology, Other	1	Fair				
26.0825	Physiology, Other	1	Fair				
26.0826	Physiology, Other	1	Fair				
26.0827	Physiology, Other	1	Fair				
26.0828	Physiology, Other	1	Fair				
26.0829	Physiology, Other	1	Fair				
26.0830	Physiology, Other	1	Fair				
26.0831	Physiology, Other	1	Fair				
26.0832	Physiology, Other	1	Fair				
26.0833	Physiology, Other	1	Fair				
26.0834	Physiology, Other	1	Fair				
26.0835	Physiology, Other	1	Fair				
26.0836	Physiology, Other	1	Fair				
26.0837	Physiology, Other	1	Fair				
26.0838	Physiology, Other	1	Fair				
26.0839	Physiology, Other	1	Fair				
26.0840	Physiology, Other	1	Fair				
26.0841	Physiology, Other	1	Fair				
26.0842	Physiology, Other	1	Fair				
26.0843	Physiology, Other	1	Fair				
26.0844	Physiology, Other	1	Fair				
26.0845	Physiology, Other	1	Fair				
26.0846	Physiology, Other	1	Fair				
26.0847	Physiology, Other	1	Fair				
26.0848	Physiology, Other	1	Fair				
26.0849	Physiology, Other	1	Fair				
26.0850	Physiology, Other	1	Fair				
26.0851	Physiology, Other	1	Fair				
26.0852	Physiology, Other	1	Fair				
26.0853	Physiology, Other	1	Fair				
26.0854	Physiology, Other	1	Fair				
26.0855	Physiology, Other	1	Fair				
26.0856	Physiology, Other	1	Fair				
26.0857	Physiology, Other	1	Fair				
26.0858	Physiology, Other	1	Fair				
26.0859	Physiology, Other	1	Fair				
26.0860	Physiology, Other	1	Fair				
26.0861	Physiology, Other	1	Fair				
26.0862	Physiology, Other	1	Fair				
26.0863	Physiology, Other	1	Fair				
26.0864	Physiology, Other	1	Fair				
26.0865	Physiology, Other	1	Fair				
26.0866	Physiology, Other	1	Fair				
26.0867	Physiology, Other	1	Fair				
26.0868	Physiology, Other	1	Fair				
26.0869	Physiology, Other	1	Fair				
26.0870	Physiology, Other	1	Fair				
26.0871	Physiology, Other	1	Fair				
26.0872	Physiology, Other	1	Fair				
26.0873	Physiology, Other	1	Fair				
26.0874	Physiology, Other	1	Fair				
26.0875	Physiology, Other	1	Fair				
26.0876	Physiology, Other	1	Fair				
26.0877	Physiology, Other	1	Fair				
26.0878	Physiology, Other	1	Fair				
26.0879	Physiology, Other	1	Fair				
26.0880	Physiology, Other	1	Fair				
26.0881	Physiology, Other	1	Fair				

Table 7. Demand for Doctoral, Professional, and Advanced Specialists Degrees By Program

CIP Order				Rating Order			
CIP	Major	n	Rating	CIP	Major	n	Rating
1	Agribus. & Agricu. Prod.	4	Very Good	11	Computer & Information Sci.	6	Excellent
2	Agricultural Sciences	4	Excellent	2	Agricultural Sciences	4	Excellent
3	Renewable Natural Resources	3	Very Good	22	Law	6	Very Good
6	Business & Management	20	Very Good	40	Physical Sciences	38	Very Good
9	Communications	4	Good	12	Consum. Pers. & Misc. Serv.	2	Very Good
11	Computer & Information Sci.	6	Excellent	3	Renewable Natural Resources	3	Very Good
12	Consum. Pers. & Misc. Serv.	2	Very Good	1	Agribus. & Agricu. Prod.	4	Very Good
13	Education	127	Good	27	Mathematics	13	Very Good
14	Engineering	58	Very Good	6	Business & Management	20	Very Good
16	Foreign Languages	13	Good	18	Health Services	41	Very Good
18	Health Services	41	Very Good	14	Engineering	58	Very Good
22	Law	6	Very Good	16	Foreign Languages	13	Good
23	Letters	16	Fair	44	Public Affairs	6	Good
25	Library & Archival Sciences	10	Fair	26	Life Science	54	Good
26	Life Science	54	Good	13	Education	127	Good
27	Mathematics	13	Very Good	31	Parks and Recreation	2	Good
31	Parks and Recreation	2	Good	42	Psychology	42	Good
38	Philosophy and Religion	6	Fair	9	Communications	4	Good
40	Physical Sciences	38	Very Good	23	Letters	16	Fair
42	Psychology	42	Good	50	Visual & Performing Arts	5	Fair
44	Public Affairs	6	Good	25	Library & Archival Sciences	10	Fair
45	Social Services	43	Fair	45	Social Services	43	Fair
50	Visual & Performing Arts	5	Fair	38	Philosophy and Religion	6	Fair

Table 8. Demand for Doctoral, Professional, and Advanced Specialists Degrees According to Major CIP Codes - CIP Order

CIP	Major Name	n	Rating	CIP	Major Name	n	Rating
1.0103	Agricultural Economics	2	Very Good	13.1312	Music Education	1	Good
1.9999	Agribusiness & Agricul. Prod.	2	Very Good	13.1314	Physical Education	1	Good
2.0301	Food Sciences, General	2	Excellent	13.1315	Reading Education	7	Good
2.0402	Agronomy	1	Excellent	13.1316	Science Education	6	Good
2.0403	Horticulture Science	1	Excellent	13.1318	Social Studies Education	5	Fair
3.0101	Renewable Nat. Res. Gen.	1	Very Good	13.1319	Technical Education	5	Fair
3.0501	Forestry	1	Excellent	13.9999	Education, Other	5	Fair
3.0601	Wildlife Management	1	Very Good	14.0101	Engineering, Other	1	Very Good
6.0201	Accounting	2	Excellent	14.0301	Agricultural Engineering	2	Excellent
6.0301	Banking and Finance	2	Excellent	14.0701	Chemical Engineering	7	Very Good
6.0401	Business Admin. & Mgmt. Gen.	2	Excellent	14.0801	Civil Engineering	7	Very Good
6.0403	Product Management	2	Excellent	14.0901	Computer Engineering	5	Excellent
6.0701	Transportation Management	2	Excellent	14.1001	Electrical Engineering	7	Very Good
6.1301	Operations Research	5	Good	14.1101	Engineering Mechanics	2	Excellent
6.1401	Marketing Management	2	Excellent	14.1701	Industrial Engineering	5	Very Good
6.1401	Personnel Management	3	Very Good	14.1801	Materials Engineering	2	Excellent
9.0101	Communications	2	Good	14.1901	Mechanical Engineering	9	Very Good
9.9999	Communications, Other	2	Good	14.2001	Metallurgical Engineering	9	Very Good
11.0101	Computer Science General	6	Excellent	14.2701	Systems Engineering	2	Excellent
12.0301	Funeral Services	1	Good	16.0402	Russian	2	Very Good
12.0401	Personal Services, General	1	Very Good	16.0501	German	2	Very Good
13.0101	Education	1	Fair	16.0901	French	2	Good
13.0301	Curriculum and Instruction	7	Good	16.0905	Spanish	2	Good
13.0401	Education Admin. General	11	Good	16.9999	Foreign Languages, Other	5	Fair
13.0402	Admin. of Special Education	5	Good	18.0103	Speech Pathology/Audiology	2	Excellent
13.0406	Higher Education Administration	7	Good	18.0401	Dentistry, General	1	Very Good
13.0501	Educational Media	5	Fair	18.1001	Medicine, General	2	Excellent
13.0603	Ed. Statistics and Research	5	Fair	18.1009	Immunology	5	Very Good
13.0604	Ed. Testing and Evaluation	2	Very Good	18.1018	Pathology	5	Very Good
13.0801	School Psychology	10	Good	18.1099	Medicine, Other	5	Very Good
13.0901	Social Foundations	5	Fair	18.1101	Nursing, General	5	Excellent
13.1001	Special Education, General	10	Very Good	18.1105	Nursing Administration	5	Excellent
13.1101	Student Counseling	10	Good	18.1201	Optometry	1	Excellent
13.1299	Teacher Education, Other	2	Good	18.1301	Osteopathic Medicine	2	Excellent
13.1305	English Education	5	Fair	18.1401	Pharmacy	5	Excellent
13.1309	Industrial Arts Education	7	Good	18.2401	Veterinary Medicine	2	Very Good
13.1311	Mathematics Education	5	Good	18.9999	Health Sciences, Other	1	Good
				22.0101	Law	6	Very Good

CIP Order (continued)

CIP	Major Name	n	Rating	CIP	Major Name	n	Rating
23.0101	English, General	6	Fair	45.0801	History	7	Poor
23.0801	Literature, English	5	Fair	45.1001	Political Science and Govt.	7	Fair
23.9999	Letters, Other	5	Fair	45.1101	Sociology	7	Fair
25.0101	Library and Archival Sciences	5	Good	50.0501	Dramatic Arts	5	Fair
25.0501	Museology	5	Fair				
26.0101	Biology, General	7	Good				
26.0201	Biochemistry and Biophysics	6	Very Good				
26.0301	Botany, General	6	Fair				
26.0302	Bacteriology	5	Very Good				
26.0501	Microbiology	6	Very Good				
26.0601	Anatomy	5	Good				
26.0701	Zoology, General	6	Fair				
26.0702	Entomology	1	Fair				
27.0401	Pure Mathematics	2	Very Good				
27.0501	Statistics	2	Very Good				
31.0301	Parks & Recreation Management	2	Good				
38.0101	Philosophy	6	Fair				
40.0501	Chemistry, General	10	Very Good				
40.0502	Analytical Chemistry	5	Very Good				
40.0504	Organic Chemistry	5	Very Good				
40.0506	Physical Chemistry	7	Very Good				
40.0601	Geology	4	Good				
40.0801	Physics, General	7	Very Good				
42.0101	Psychology, General	9	Good				
42.0201	Clinical Psychology	7	Good				
42.0701	Developmental Psychology	5	Fair				
42.0801	Experimental Psychology	1	Very Good				
42.0901	Indus. & Org. Psychology	5	Good				
42.1101	Physiological Psychology	5	Fair				
42.1601	Social Psychology	5	Fair				
42.9999	Psychology, Other	5	Fair				
44.0401	Public Administration	1	Excellent				
44.0701	Social Work, General	5	Good				
45.0101	Social Sciences, General	3	Very Good				
45.0201	Anthropology	8	Fair				
45.0601	Economics	8	Very Good				
45.0701	Geography	3	Fair				

REFERENCE GUIDE TO DEMAND FOR 1987 COLLEGE GRADUATES

Associate Degree Graduates

Excellent

Auto. Vehicles & Access. Mktg. Chemical Manufacturing Tech. Civil Technologies, Other	Civil/Structural Drafting Forestry Prod. & Processing Industrial Prod. Tech. Otn.	Ornamental Horticulture Physical Therapy Assisting	Surveying and Mapping Techn. Typing
---	---	---	--

Very Good

Accounting and Bookkeeping Accounting and Computing Aircraft Mechanics Cardiopulmonary Technology Chef/Cook Child Care & Guid. Mgmt, Oth. Clothing Prod. & Serv. Gen. Conservation Corrections Court Reporting Data Processing	Dental Assisting Drafting, General Ed. of the Mentally Handicapped Electromechanical Technology Electronic Technology Engineering, Other Executive Secretarial Financial Serv. Marketing, Gen. Food Catering Health Care Administration	Heat. Air Cond. & Ref. Gen. Home Furnishings Aide Information Sciences & Systems Management Science, Other Manufacturing Technology Medical Office Management Nursing, General Plastic Technology Receptionist Respiratory Therapy Technology	Restaurant Management Sales Secretarial Programs, General Surgical Technology Trade & Industrial Supervision Transportation Management Typing, General Office Ultrasound Technology Water & Wastewater Technology Word Processing
--	--	--	--

Good

Accounting Addict Rehab. Counseling Advertising Agribus. & Agricul. Production Air Cond. Heat & Refridg. Tech. Airplane Piloting & Navigation Animal Health Technology Audiology & Speech Pathology Automotive Body Repair Automotive Mechanics Automotive Technology Banking Banking and Finance Biological & Physical Sciences Bookkeeping Business Admin. & Mgmt, Gen. Business and Management, Gen. Business Computer Operation Business Data Processing Business Data Programming Carpentry Chemistry Technology Child Dev. Care & Guidance Clerk Typist Clothing and Textiles Commercial Art Communication Electroics Computer Engineering	Computer Science, Other Computer Science General Computer Technology Construction Trades, Other Criminal Justice, Other Criminal Justice Studies Criminal Justice Technology Dental Hygiene Dental Laboratory Technology Diesel Engine Mechanics Drafting, Other Drafting and Design Technology Education, Other Electrical Engineering Electrical Technology Electrical Technology Other Electrician Elementary Education Emergency Med. Tech. Ambulance Engineering, Other Engineering Technology, Other English Education Fashion Merchandising Food Service Food Technology Foreign Languages Education Funeral Services General Marketing, Other	General Office Work Geriatric Aide Geriatric Services Graphic Design Heavy Equip. Maint. & Repair Hotel/Motel Management Illustration Design Industrial Arts Education Industrial Design Industrial Technology Instrumentation Technology Insurance Marketing, General Interior Design Legal Secretarial Life Sciences, Other Logging Machine Tool Operation Marketing Management Mathematics, General Mathematics Education Meatcutting Mechanical Design Technology Mechanical Drafting Mechanical Engineering Mechanical & Related Tech. Oth. Mechanics and Repairers, Other Medical Assisting	Medical Laboratory Technology Medical Records Technology Medical Secretarial Medical Technology Metal Fabrication Metallurgical Technology Misc. Health Services, Other Music Education Nursing Assisting Occupational Therapy Assisting Office Supervision and Mgmt. Optometric Technology Plastics Practical Nursing Quality Control Technology Radio & TV Prod. & Bdcst Tech. Radiograph Medical Technology Respiratory Therapy Retailing Science Education Secretarial Secretarial Programs, Other Security Services Social Sciences, General Stenographic Teacher Education, Other Welding, Brazing & Soldering
---	--	---	--

Fair

Aeronautical Technology Agricultural Business Agricultural Bus. & Mgmt. Gen. Agricultural Mechanics, Gen. Apprentice Training Architectural Drafting Architecture Arch. Des. & Const. Tech. Banking Marketing Business and Management, Other Business and Office, Other Business Education Bus. & Personal Serv. Mktg. Child Care & Guid. Mgmt, Gen. Child Care Aide Civil Engineering Comm. Technologies, Other	Computer Programming Correctional Administration Cosmetology Design, General Education Electrical Repair, General Electrical Repair, Other Emergency Med. Tech. Paramedic Family Resource Management Fine Arts, General Fire Control & Safety Tech. Foreign Languages, Mult. Emph. Foreign Languages, Other Forestry & Related Sci. Gen. Graphic Arts Technology Graphic & Printing Comm. Gen. Home Furnishings & Equip. Gen.	Humanities & Social Sciences Indus. Equip. Maint. & Repair Law Enforcement Law Enforcement Administration Legal Assisting Letters, Other Liberal Studies Library and Archival Sciences Medical Records Administration Ment. Health/Human Serv. Other Ment. Health/Hum. Serv. Ass. Ment. Health/Hum. Serv. Tech. Merchant Marine Officers Music, General Occ. Safety & Health Tech. Oceanography Office Prod. & Equip. Marketing	Outdoor Recreation Parks & Recreation Management Personal Services, Other Petroleum Technology Pharmacy Physical Education Small Business Management Small Engine Repair Social Work, General Social Work, Other Speech, Debate and Forensics Teacher Aide Tool and Die Making Tourism Trans. & Material Moving, Oth. Welding Technology Woodworking, General
--	---	---	---

Poor

Business Data Entry Equipment Crafts, General Dance Dramatic Arts Graphic Arts Industrial Engineering Journalism	Major Appliance Repair Material Handling Music, Other Music History and Appreciation Music Theory and Composition Painting Personal Services, General	Philosophy and Religion, Other Printing Press Operations Public Relations Renewable Nat. Res. General Sanitation Technology Sheet Metal Soil Sciences, General	Teaching Eng. as 2nd Lang. Trans. & Travel Marketing, Oth. Visual & Performing Arts, Oth.
--	---	--	---

College Bound

Arch. & Envir. Design, Gen.
Art Education
Biology, General
Chemistry, General
Civil Technology
Criminal Justice Administration
Economics
English, General
Geography
Geology

Health-Related Activities, Gen.
History
Home Economics, General
Labor/Industrial Relations
Liberal Studies, Other
Literature, English
Music Performance
Nuclear Medical Technology
Occupational Therapy
Optometry

Personal Awareness, Other
Physical Sciences, General
Physical Therapy
Physics, General
Political Science and Govt.
Pre-Dentistry
Pre-Elementary Education
Pre-Law
Pre-Medicine
Pre-Pharmacy

Pre-Veterinary
Psychology, General
Public Administration
Real Estate, General
Religious Music
Secondary Education
Sociology
Special Education, General
Therapeutic Child Care Work
Veterinary Medicine

Bachelor Degree Graduates

Excellent

Alcohol/Drug Abuse Specialty
Business Data Processing
Business Systems Analysis
Chemical Technology
Computational Skills

Dentistry, General
Hospitality & Recreation Mktg.
Mathematics, Other
Medical Assisting

Medicine, General
Medicine, Other
Physical Sciences, Other
Recreational Therapy

Specific Learning Disabilities
Speech Language Path. Aud.
Surveying and Mapping Tech.
Textiles and Clothing, Retail

Very Good

Accounting
Agricultural Education
Anesthetist
Aud. and Speech Path. Other
Aviation Management
Child Care, Other
Chinese
Civil Technology
Commercial Art
Community Psychology
Computer Science, Other
Computer Science General
Drafting and Design
Education Admin. General
Education Admin. Other
Ed. of Emotionally Handicapped
Ed. of Mentally Handicapped
Electrical & Electronic Tech.
Electricity/Electronics
Electronic Technology
Emergency Med. Tech. Ambulance

Energy, Power, and Trans.
Engineering, Other
Engineering Mechanics
Envir. Control Tech. Other
Experimental Psychology
Fashion Design
Fire Control & Safety Tech.
Fire Protection Administration
Funeral Services
Geriatric Services
Geriatrics
Graphic and Printing Comm.
Graphic Arts
Hospitality & Recreation Mktg
Hotel/Motel Management
Industrial Arts, General
Industrial Arts, Other
Industrial Prod. Tech. Other
Industrial Sales
Information Sci. and Systems
Instrumentation Technology

Insurance and Risk Management
Legal Assisting
Management Information Systems
Management Science, Other
Manufacturing Technology
Manuf. Materials Processing
Marketing Management & Research
Marketing of Recreational Serv.
Materials Engineering
Mathematics Education
Mechanical Design Technology
Mech. & Related Tech. Other
Medical Records Administration
Metallurgy
Nuclear Medical Technology
Nursing, General
Office Supervision & Management
Osteopathic Medicine
Outdoor Recreation
Parks and Recreation, Other
Pharmacy

Physical Therapy
Physics, Other
Plastic Technology
Product Management
Public Health
Public Policy Studies
Pure Mathematics
Radiograph Medical Technology
Retailing
Sales
Small Business Management
Social Work, Other
Special Education, General
Systems Engineering
Technical and Business Writing
Theological Studies
Trade and Industrial Education
Trade and Indus. Sup. & Mgmt.
Welding Technology
Word Processing

Good

Aerospace & Astronautical Eng.
Agribus. & Agricul. Production
Agricultural Business
Agricultural Economics
Agricultural Engineering
Agronomy
Allied Health, Other
Analytical Chemistry
Architecture
Astrophysics
Automotive Technology
Banking and Finance
Bilingual/Bicultural Education
Biochemistry and Biophysics
Biological & Physical Sciences
Biology, General
Business Adm.n. & Mgmt, Other
Business Admin. & Mgmt. Gen.
Business and Management, Other
Business and Mgmt, General
Business Economics
Business Education
Business Home Economics
Business Statistics
Bus. & Personal Services Mktg.
Chef/Cook
Chemistry, General
Chemistry, Other
Child Dev., Care & Guidance
Chiropractic
Civil Engineering
Clinical Health Sci. Other
Clinical Psychology
Clothing and Services General
Clothing and Textiles

Communications, Other
Community Services
Comm. Technologies, Other
Computer Engineering
Construction
Corrections
Criminal Justice, Other
Criminal Justice Studies
Criminology
Cytotechnology
Dance Therapy
Data Processing
Design, General
Dietetics
Drafting and Design Technology
Economics
Education, Other
Ed. of Deaf & Hearing Imp.
Ed. of Physically Handicapped
Ed. of Visually Handicapped
Electrical Engineering
Electromechanical Technology
Elementary Education
Engineering, Other
Engineering Science
Engineering Technology, Other
Engineering & Other Disciplines
Executive Secretarial
Exercise Physiology
Family Dev Other
Family Relations
Family Resource Management
Family/Consumer Resource Mgmt.
Fashion Merchandising
Firefighting

Food Distribution
Food Prod. Mgmt & Serv. Gen.
Food Science
Food Sciences, General
Food Service
Foreign Languages, Other
Graphic Design
Health Care Administration
Health Sciences Admin. Other
Health-Related Activities, Gen.
Hebrew
Home Economics Education
Horticulture Science
Illustration Design
Industrial Arts Education
Industrial Design
Industrial Engineering
Industrial Technology
Indus. & Organ. Psychology
Inorganic Chemistry
Insurance Marketing, General
Insurance Marketing, Other
Investments and Securities
Junior High Education
Legal Secretarial
Library Science
Marketing and Distributive Ed.
Marketing Management
Marketing & Distribution, Other
Mathematics, General
Mechanical Engineering
Medical Laboratory Technology
Medical Technology
Ment. Health/Hum. Serv. Other

Metallurgical Engineering
Middle Eastern Studies
Nursing Administration
Occ Safety & Health Tech.
Occupational Therapy
Operations Research
Optometry
Organic Chemistry
Organizational Behavior
Philosophy and Religion, Other
Physical Chemistry
Physician Assisting
Physics, General
Pre-Dentistry
Pre-Elementary Education
Pre-Law
Pre-Medicine
Pre-Veterinary
Psychology, Other
Radio & TV Prod. & Brcdst. Tech
Reading Education
Recreational Enterprises Mgmt.
Science Education
Sculpture
Secondary Education
Social Work, General
Spanish
Speech Correction
Speech Pathology/Audiology
Statistics
Teacher Education, Other
Technical Education
Textiles & Clothing, General
Toxicology

Fair

Adult Education	Educational Media Technology	Interior Design	Physical Education
Advertising	Electrical Technology	Intermedia	Physical Sciences, General
Aeronautical Technology	Energy Conservation & Use Tech.	International Business Mgmt.	Physiology, Human and Animal
African Studies	English, General	International Relations	Plant Physiology
Afro-American Studies	English Education	Journalism	Political Science and Govt.
American Studies	Entomology	Labor/Industrial Relations	Pre-Pharmacy
Arabic	Environmental Design	Landscape Architecture	Psychology, General
Arch. Design & Const. Tech.	Envir. Health Engineering	Latin	Public Administration
Area Studies, Other	European Studies	Latin American Studies	Public Affairs, General
Art Education	Family & Comm. Services, Gen.	Law Enforcement	Public Relations
Art History and Appreciation	Fiber/Textiles/Weaving	Law-Other	Radio/TV General
Asian Studies, General	Fine Arts, General	Letters, Other	Real Estate, General
Astronomy	Fisheries	Liberal Studies	Religion
Biomedical Equipment Technology	Foreign Languages Education	Liberal Studies, Other	Renewable Nat. Prod. General
Biometrics and Biostatistics	Forestry	Life Sciences, Other	Renewable Nat. Res. Other
Botany, General	French	Linguistics	Russian
Ceramics	Geography	Literature, American	Russian and Slavic Studies
Chemical Engineering	Geological Engineering	Literature, English	Sanitation Technology
Cinematography/Film	Geology	Marine Biology	Slavic Languages
City, Comm. & Reg. Planning	Geophysics and Seismology	Metal/Jewelry	Social Psychology
Communications	German	Microbiology	Social Science Education
Comparative Literature	Graphic Arts Technology	Mining and Mineral Engineering	Social Sciences, General
Consumer Education	Greek	Museology	Social Sciences, Other
Correctional Administration	Health Education	Music, General	Social Studies Education
Crafts, Other	Health Sciences, Other	Music Education	Sociology
Criminal Justice Admin.	Health Services, Other	Music History and Appreciation	Speech, Debate and Forensics
Dental Hygiene	Hispanic-American Studies	Music Performance	Student Counseling
Design, Other	History	Music Theory and Composition	Theology, Other
Dramatic Arts	Home Economics, General	Music Therapy	Tourism
Drawing	Home Economics, Other	Oceanographic Technology	Urban Studies
Driver and Safety Education	Human Envir. & Housing, Gen.	Ophthalmic Services, Other	Vehicles & Petroleum Marketing
Earth Science	Human Resources Development	Parks and Recreation Mgmt.	Visual & Performing Arts, Other
East Asian Studies	Humanities and Social Sciences	Personnel Management	Wildlife Management
Ecology	Individual & Family Devel. Gen.	Photography	Zoology, General
Education	Interdisciplinary Stud. Other		

Poor

Animal Sciences, General	Dance	Medical Laboratory	Petroleum Engineering
Anthropology	Film Arts, Other	Painting	Philosophy
Baltic Languages	Greek Modern	Parks and Recreation, General	South Asian Studies
Classics	Italian	Peace Studies	Women's Studies
Conservation	Medical Illustration		

Master Degree Graduates

Excellent

Ed. of the Emot. Handicapped	Management Science, Other	Psychiatric/Mental Health	Speech Language Path. Aud.
Engineering, Other	Maternal/Child Health	Specific Learning Disabilities	Systems Engineering
Food Sciences, General	Medical Surgical	Speech Correction	Transportation Management
Hotel/Motel Management			

Very Good

Accounting	Ed. of the Phys. Handicapped	Horticulture Science	Personnel Management
Anesthesiology	Ed. of the Vis. Handicapped	Immunology	Pharmacology, Human and Animal
Applied Mathematics	Ed. Testing and Evaluation	Indus. & Org. Psychology	Pharmacy
Banking and Finance	Electrical Engineering	Law	Public Sanitation
Composition	Endodontics	Law-Other	Science Education
Computer Engineering	Engineering, Other	Marketing Management	Social Work, General
Computer Science General	Engineering Mechanics	Materials Engineering	Social Education, General
Counseling Psychology	Evaluation and Research, Gen.	Mathematics Education	Special Education, Other
Developmental Psychology	Experimental Psychology	Nursing, General	Speech Pathology/Audiology
Ed of Deaf and Hearing Impaired	Health Sciences Admin., Other	Occupational Therapy	Taxation
Ed. of the Ment. Handicapped	Higher Education Administration	Orthodontics	Teacher Education, Other

Good

Adult Education	Business Admin. & Mgmt, Gen.	Curriculum and Instruction	Information Sciences & Systems
Advertising	Business Admin. & Mgmt, Other	Economics	Inorganic Chemistry
Agribusiness & Agricul. Prod.	Business and Management, Other	Education	International Home Economics
Agricultural Economics	Business and Mgmt, General	Education Admin., General	Journalism
Agricultural Engineering	Business Economics	Elementary Education	Junior High Education
Agronomy	Business Education	Elem. & Sec. Ed. Administration	Labor/Industrial Relations
Allied Health, Other	Business Statistics	Engineering Technology, Other	Law Enforcement Administration
Analytical Chemistry	Chemical Engineering	Entomology	Library Science
Anatomy	Chemistry, General	Exercise Physiology	Mathematics, General
Anesthetist	Civil Engineering	Family Resource Management	Mechanical Engineering
Bacteriology	Clinical Psychology	Food Prod. Mgmt & Serv. Gen.	Medical Technology
Bilingual/Bicultural Education	Communications	Forestry	Metallurgical Engineering
Biochemistry and Biophysics	Community Services	Health Care Administration	Microbiology
Biological & Physical Sciences	Comm. College Education Admin.	Industrial Arts Education	Music Education
Biology, General	Computer Science, Other	Industrial Engineering	Music Therapy
Biometrics and Biostatistics	Corrections	Industrial Technology	Nursing, Other

Operations Research
Organic Chemistry
Organizational Behavior
Parks and Recreation, General
Pathology, Human and Animal
Physical Chemistry

Physical Sciences, General
Physics, General
Physiology, Human and Animal
Pre-Elementary Education
Public Affairs, General
Public Health

Public Relations
Pure Mathematics
Radio/TV General
Reading Education
Renewable Nat. Res., Gen.

Statistics
Student Counseling
Teaching Eng. as 2nd Lang.
Technical Education
Textiles and Clothing, General

Fair

Anthropology
Area Studies, Other
Art Education
Botany, General
Chemistry, Other
City, Comm. & Reg. Planning
Clinical Microbiology
Communications, Other
Consumer Education
Creative Writing
Criminal Justice Studies
Criminology
Dramatic Arts
Education, Other
Educational Media
Educational Supervision
Ed. Statistics and Research

English, General
English Education
Family and Comm Services, Gen.
Family Economics
Family Relations
Fine Arts, General
Food Science
Foreign Languages, Other
Foreign Languages Education
French
Geography
Geological Engineering
Geology
Geophysics and Seismology
German
Health Sciences, Other
Health-Related Activities

History
Home Economics, General
Home Economics, Other
Human Envir. & Housing, Gen.
Individual & Family Devel. Gen.
Interior Design
Liberal Studies
Library and Archival Sciences
Linguistics
Literature, American
Music History and Appreciation
Music Performance
Music Theory and Composition
Parks and Recreation Management
Physical Education
Political Sci. and Government
Psychology, General

Psychology, Other
Public Administration
Religion
Religious Education
Russian
School Psychology
Secondary Education
Social Foundations
Social Science Education
Social Sciences, General
Social Studies Education
Sociology
Spanish
Teacher Education, Other
Wildlife Management
Zoology, General

Poor

American Studies
Art History and Appreciation
Classics
Comparative Literature
Earth Science

Eastern European Studies
Greek
Humanities and Social Sciences
International Relations
Italian

Latin
Liberal Studies, Other
Literature, English
Mining and Mineral Engineering
Music, General

Painting
Philosophy
Sculpture
Women's Studies

Doctoral Degree Graduates

Excellent

Accounting
Agricultural Engineering
Agronomy
Banking and Finance
Business Admin & Mgmt. Gen.
Computer Engineering

Computer Science General
Engineering Mechanics
Food Sciences, General
Forestry
Horticulture Science
Marketing Management

Materials Engineering
Medicine, General
Nursing, General
Nursing Administration
Optometry
Osteopathic Medicine

Pharmacy
Product Management
Public Administration
Speech Pathology/Audiology
Systems Engineering
Transportation Management

Very Good

Agribusiness & Agricul. Prod.
Agricultural Economics
Analytical Chemistry
Bacteriology
Biochemistry and Biophysics
Chemical Engineering
Chemistry, General
Civil Engineering
Dentistry, General

Economics
Ed. Testing and Evaluation
Electrical Engineering
Engineering, Other
Experimental Psychology
German
Immunology
Industrial Engineering
Law

Mechanical Engineering
Medicine, Other
Metallurgical Engineering
Microbiology
Organic Chemistry
Pathology
Personal Services, General
Personnel Management
Physical Chemistry

Physics, General
Pure Mathematics
Renewable Nat. Res. Gen.
Russian
Social Sciences, General
Special Education, General
Statistics
Veterinary Medicine
Wildlife Management

Good

Admin. of Special Education
Anatomy
Biology, General
Clinical Psychology
Communications
Communications, Other
Curriculum and Instruction
Education Admin. General

French
Funeral Services
Geology
Health Sciences, Other
Higher Education Administration
Industrial Arts Education
Indus. & Org. Psychology

Library and Archival Sciences
Mathematics Education
Music Education
Operations Research
Parks & Recreation Management
Physical Education
Psychology, General

Reading Education
School Psychology
Science Education
Social Work, General
Spanish
Student Counseling
Teacher Education, Other

Fair

Anthropology
Botany, General
Developmental Psychology
Dramatic Arts
Education
Education, Other
Educational Media

Ed. Statistics and Research
English, General
English Education
Entomology
Foreign Languages, Other
Geography
Letters, Other

Literature, English
Museology
Philosophy
Physiological Psychology
Political Science and Govt.
Psychology, Other

Social Foundations
Social Psychology
Social Studies Education
Sociology
Technical Education
Zoology, General

Poor

History

Taken From Estimated Demand for Michigan's College Graduates of 1987
Prepared by Collegiate Employment Research Institute
113 Student Services Bldg.
Michigan State University
East Lansing, MI 48824