

CIP CODES CATEGORY/HIGH DEMAND FIELDS

ACCOUNTING AND COMPUTER SCIENCE
AGRICULTURAL/ANIMAL/PLANT/VETERINARY SCIENCE AND RELATED FIELDS
BIOLOGICAL AND BIOMEDICAL SCIENCES
BUSINESS, MANAGEMENT, MARKETING, AND RELATED SUPPORT SERVICES
COMMUNICATION, JOURNALISM, AND RELATED PROGRAMS
COMPUTATIONAL SCIENCE
COMPUTER AND INFORMATION SCIENCES AND SUPPORT SERVICES
DATA ANALYTICS
DATA SCIENCE
DIGITAL MARKETING
EDUCATION
EDUCATIONAL ASSESSMENT, EVALUATION, AND RESEARCH
ENGINEERING
ENGINEERING/ENGINEERING-RELATED TECHNOLOGIES/TECHNICIANS
FAMILY AND CONSUMER SCIENCES/HUMAN SCIENCES
GRAPHIC DESIGN
HEALTH PROFESSIONS AND RELATED PROGRAMS
HEALTH PROFESSIONS RESIDENCY/FELLOWSHIP PROGRAMS
HOMELAND SECURITY, LAW ENFORCEMENT, FIREFIGHTING AND RELATED
PROTECTIVE SERVICES
LINGUISTICS AND COMPUTER SCIENCE
MATHEMATICS AND COMPUTER SCIENCE
MATHEMATICS AND STATISTICS
PARKS, RECREATION, LEISURE, FITNESS, AND KINESIOLOGY
PSYCHOLOGY
PUBLIC ADMINISTRATION AND SOCIAL SERVICE PROFESSIONS
SOCIAL SCIENCES
SOCIAL WORK
THANATOLOGY
VETERINARY MEDICINE

Appendix: Table 2

PROGRAM AND WORKFORCE ALIGNMENT

SOC	Occupational Group/Title	CIP Codes Category Crosswalk/High Demand Fields
Business and Financial Operations Occupations		
13-1071	Human Resources Specialists	[42.] PSYCHOLOGY, [52.] BUSINESS, MANAGEMENT, MARKETING, AND RELATED SUPPORT SERVICES
13-1081	Logisticians	[52.] BUSINESS, MANAGEMENT, MARKETING, AND RELATED SUPPORT SERVICES
13-1111	Management Analysts	[13.06] EDUCATIONAL ASSESSMENT, EVALUATION, AND RESEARCH, [27.] MATHEMATICS AND STATISTICS, [42.] PSYCHOLOGY, [30.71.] DATA ANALYTICS, [52.] BUSINESS, MANAGEMENT, MARKETING, AND RELATED SUPPORT SERVICES
13-1151	Training and Development Specialists	[09.] COMMUNICATION, JOURNALISM, AND RELATED PROGRAMS, [13.] EDUCATION, [42.] PSYCHOLOGY, [52.] BUSINESS, MANAGEMENT, MARKETING, AND RELATED SUPPORT SERVICES
13-1161	Market Research Analysts and Marketing Specialists	[19.] FAMILY AND CONSUMER SCIENCES/HUMAN SCIENCES, [30.71.] DATA ANALYTICS, [45.] SOCIAL SCIENCES, [52.] BUSINESS, MANAGEMENT, MARKETING, AND RELATED SUPPORT SERVICES
13-1082 13-1199	Project Management and Business Operations Specialists	[11.] COMPUTER AND INFORMATION SCIENCES AND SUPPORT SERVICES, [52.] BUSINESS, MANAGEMENT, MARKETING, AND RELATED SUPPORT SERVICES
13-2011	Accountants and Auditors	[30.16.] ACCOUNTING AND COMPUTER SCIENCE, [43.] HOMELAND SECURITY, LAW ENFORCEMENT, FIREFIGHTING AND RELATED PROTECTIVE SERVICES, [52.] BUSINESS, MANAGEMENT, MARKETING, AND RELATED SUPPORT SERVICES
Management Occupations		
11-1021	General and Operations Managers	[01.] AGRICULTURAL/ANIMAL/PLANT/VETERINARY SCIENCE AND RELATED FIELDS, [31.] PARKS, RECREATION, LEISURE, FITNESS, AND KINESIOLOGY, [44.] PUBLIC ADMINISTRATION AND SOCIAL SERVICE PROFESSIONS, [52.] BUSINESS, MANAGEMENT, MARKETING, AND RELATED SUPPORT SERVICES
11-3031	Financial Managers	[30.16.] ACCOUNTING AND COMPUTER SCIENCE, [30.71.] DATA ANALYTICS, [52.] BUSINESS, MANAGEMENT, MARKETING, AND RELATED SUPPORT SERVICES
11-3051	Industrial Production Managers	[14.] ENGINEERING, [15.] ENGINEERING/ENGINEERING-RELATED TECHNOLOGIES/TECHNICIANS, [51.] HEALTH PROFESSIONS AND RELATED PROGRAMS, [52.]

SOC	Occupational Group/Title	CIP Codes Category Crosswalk/High Demand Fields
		BUSINESS, MANAGEMENT, MARKETING, AND RELATED SUPPORT SERVICES
11-9021	Construction Managers	[15.] ENGINEERING/ENGINEERING-RELATED TECHNOLOGIES/TECHNICIANS, [44.] PUBLIC ADMINISTRATION AND SOCIAL SERVICE PROFESSIONS, [52.] BUSINESS, MANAGEMENT, MARKETING, AND RELATED SUPPORT SERVICES
11-9111	Medical and Health Services Managers	[01.8] VETERINARY MEDICINE, [26.] BIOLOGICAL AND BIOMEDICAL SCIENCES, [44.] PUBLIC ADMINISTRATION AND SOCIAL SERVICE PROFESSIONS, [51.] HEALTH PROFESSIONS AND RELATED PROGRAMS, [52.] BUSINESS, MANAGEMENT, MARKETING, AND RELATED SUPPORT SERVICES
Computer and Mathematical Occupations		
15-1252 15-1253	Software Dev. and Software QA Analysts and Testers	[11.] COMPUTER AND INFORMATION SCIENCES AND SUPPORT SERVICES, [14.] ENGINEERING, [15.] ENGINEERING/ENGINEERING-RELATED TECHNOLOGIES/TECHNICIANS, [30.08.] MATHEMATICS AND COMPUTER SCIENCE, [30.16.] ACCOUNTING AND COMPUTER SCIENCE, [30.3.] COMPUTATIONAL SCIENCE, [30.48.] LINGUISTICS AND COMPUTER SCIENCE, [30.7.] DATA SCIENCE
15-1254 15-1255	Web Developers and Digital Interface Designers	[09.] COMMUNICATION, JOURNALISM, AND RELATED PROGRAMS, [11.] COMPUTER AND INFORMATION SCIENCES AND SUPPORT SERVICES, [30.3.] COMPUTATIONAL SCIENCE, [50.0409] GRAPHIC DESIGN, [52.1404] DIGITAL MARKETING
Architecture and Engineering Occupations		
17-2051	Civil Engineers	[14.] ENGINEERING
17-2112	Industrial Engineers	[14.] ENGINEERING, [15.] ENGINEERING/ENGINEERING-RELATED TECHNOLOGIES/TECHNICIANS
17-2141	Mechanical Engineers	[14.] ENGINEERING
Community and Social Services		
21-1011 21-1014	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	[42.] PSYCHOLOGY, [51.] HEALTH PROFESSIONS AND RELATED PROGRAMS
21-1021	Child, Family, and School Social Workers	[42.] PSYCHOLOGY, [43.] HOMELAND SECURITY, LAW ENFORCEMENT, FIREFIGHTING AND RELATED PROTECTIVE SERVICES, [44.07.] SOCIAL WORK, [51.] HEALTH PROFESSIONS AND RELATED PROGRAMS
21-1022	Healthcare Social Workers	[30.53.] THANATOLOGY, [44.07.] SOCIAL WORK, [51.] HEALTH PROFESSIONS AND RELATED PROGRAMS

SOC	Occupational Group/Title	CIP Codes Category Crosswalk/High Demand Fields
Healthcare Practitioners		
29-2011 29-2012	Clinical Laboratory Technologists and Technicians	[26.] BIOLOGICAL AND BIOMEDICAL SCIENCES, [51.] HEALTH PROFESSIONS AND RELATED PROGRAMS
29-1171	Nurse Practitioners	[51.] HEALTH PROFESSIONS AND RELATED PROGRAMS, [60.] HEALTH PROFESSIONS RESIDENCY/FELLOWSHIP PROGRAMS
Sales and Related Occupations		
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	[52.] BUSINESS, MANAGEMENT, MARKETING, AND RELATED SUPPORT SERVICES