

HUMAN RESOURCE SERVICES MANUAL
APPENDIX 12 – NCESC INSTRUCTIONAL PROGRAM CODES

National Center for Education Studies Classification of Instructional Program (CIP) Codes

01 **Agribusiness and Agricultural Production**

010101 Agricultural Business and Management, General
010102 Agricultural Business/Agribusiness Operations
010103 Agricultural Economics
010104 Farm and Ranch Management
010199 Agricultural business and Management, Other
010201 Agricultural Mechanization, General
010204 Agricultural Power Machinery Operator
010301 Agricultural Production Workers and Managers, General
010302 Agricultural Animal Husbandry and Production Management
010303 Aquaculture Operations and Production Management
010304 Crop Production Operations and Management
010501 Agricultural Supplies Retailing and Wholesaling
010505 Animal Trainer
010507 Equestrian/Equine Studies, Horse Management and Training
010601 Horticulture Services Operations and Management, General
010603 Oranamental Horticulture Operations and Management
010604 Greenhouse Operations and Management
010605 Landscaping Operations and Management
010606 Nursery Operations and Management
010607 Turf Management
010699 Horticulture Services Operations and Management, Other
010701 International Agriculture
019999 Agricultural Business and Production, Other

02 **Agricultural Sciences**

020101 Agriculture/Agricultural Sciences, General
020201 Animal Sciences, General
020202 Agricultural Animal Breeding and Genetics
020203 Agricultural Animal Health
020204 Agricultural Animal Nutrition
020205 Agricultural Animal Physiology
020206 Dairy Science
020209 Poultry Science
020299 Animal Sciences, Other
020301 Food Sciences and Tech
020401 Plant Sciences, General
020402 Agronomy and Crop Science
020403 Horticulture Science
020405 Plant Breeding and Genetics
020406 Agricultural Plant Pathology
020407 Agricultural Plant Physiology
020408 Plant Protection (Pest Management)
020409 Range Science and Management
020499 Plant Sciences, Other
020501 Soil Sciences
029999 Agriculture/Agricultural Sciences, Other

03 **Natural Resources and Conservation**

030101 Natural Resources Conservation, General
030102 Environmental Science/Studies
030201 Natural Resources Management and Policy
030203 Natural Resources Law Enforcement and Protective Services
030299 Natural Resources Management and Protective SErVICES, Other
030301 Fishing And Fisheries Sciences and Management
030401 Forest Harvesting and Production Tech./Technician
030404 Forest Products Tech./Technician

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030405 Logging/Timber Harvesting
030499 Forest Production and Processing, Other
030501 Forestry, General
030502 Forestry Sciences
030506 Forest Management
030509 Wood Science and Pulp/Paper Tech.
030599 Forestry and Related Sciences, Other
030601 Wildlife and Wildlands Management
039999 Conservation and Renewable Natural Resources, Other

04 Architecture and Environmental Design

040201 Architecture
040301 City/Urban, Community and Regional Planning
040401 Architectural Environmental Design
040501 Interior Architecture
040601 Landscape Architecture
040701 Architectural Urban Design and Planning
049999 Architecture and Related Programs, Other

05 Area, Ethnic and Cultural Studies

050101 African Studies
050102 American Studies/Civilization
050103 Asian Studies
050104 East Asian Studies
050105 Eastern European Area Studies
050106 European Studies
050107 Latin American Studies
050108 Middle Eastern Studies
050109 Pacific Area Studies
050110 Russian and Slavic Area Studies
050111 Scandinavian Area Studies
050112 South Asian Studies
050113 Southeast Asian Studies
050114 Western European Studies
050115 Canadian Studies
050199 Area Studies, Other
050201 Afro-American (Black) Studies
050202 American Indian/Native American Studies
050203 Hispanic-American Studies
050204 Islamic Studies
050205 Jewish/Judaic Studies
050206 Asian-American Studies
050207 Women's Studies
050299 Ethnic and Cultural Studies, Other
059999 Area, Ethnic and Cultural Studies, Other

08 Marketing Operations/Distributions

080101 Apparel and Accessories Marketing Operations, General
080102 Fashion Merchandising
080103 Fashion Modeling
080199 Apparel and Accessories Marketing Operations, Other
080204 Business Services Marketing Operations
080205 Personal Services Marketing Operations
080299 Business and Personal Services Marketing Operations, Other
080301 Entrepreneurship
080401 Financial Services Marketing Operations
080503 Floristry Marketing Operations
080601 Food Products Retailing and Wholesaling Operations
080701 Auctioneering
080704 General Buying Operations

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080705 General Retailing Operations
080706 General Selling Skills and Sales Operations
080708 General Marketing Operations
080709 General Distribution Operations
080799 General Retailing and Wholesaling Operations and Skills, Oth
080809 Home Products Marketing Operations
080810 Office Products Marketing Operations
080899 Home and Office Products Marketing Operations, Other
080901 Hospitality and Recreation Marketing Operations, General
080902 Hotel/Motel Services Marketing Operations
080903 Recreation Products/Services Marketing Operations
080906 Food Sales Operations
080999 Hospitality and Recreation Marketing Operations, Other
081001 Insurance Marketing Operations
081104 Tourism Promotion Operations
081105 Travel Services Marketing Operations
081199 Tourism and Travel Services Marketing Operations, Other
081203 Vehicle Parts and Accessories Marketing Operations
081208 Vehicle Marketing Operations
081209 Petroleum Products Retailing Operations
081299 Vehicle and Petroleum Products Marketing Operations, Other
081301 Health Products and Services Marketing Operations
089999 Marketing Operations/Marketing and Distribution, Other

09 Communications

090101 Communications, General
090201 Advertising
090401 Journalism
090402 Broadcast Journalism
090403 Mass Communications
090499 Journalism and Mass Communication, Other
090501 Public Relations and Organizational Communications
090701 Radio and Television Broadcasting
090801 Telecommunications
099999 Communications, Other

10 Communications Technologies

100101 Educational/Instructional Media Tech./Technician
100103 Photographic Tech./Technician
100104 Radio and Television Broadcasting Tech./Technician
100199 Communications Technol./Technicians, Other

11 Computer and Information Sciences

110101 Computer and Information Sciences, General
110201 Computer Programming
110301 Data Processing Tech./Technician
110401 Information Sciences and Systems
110501 Computer Systems Analysis
110701 Computer Science
119999 Computer and Information Sciences, Other

12 Personal and Miscellaneous Services

120203 Card Dealer
120204 Umpires and Other Sports Officials
120299 Gaming and Sports Officiating Services, Other
120301 Funeral Services and Mortuary Science
120401 Cosmetic Services, General
120402 Barber/Hairstylist
120403 Cosmetologist
120404 Electrolysis Technician

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120405 Massage
120406 Make-Up Artist
120499 Cosmetic Services, Other
120501 Baker/Pastry Chef
120502 Bartender/Mixologist
120503 Culinary Arts/Chef Training
120504 Food and Beverage/Restaurant Operations Manager
120505 Kitchen Personnel/Cook and Assistant Training
120506 Meatcutter
120507 Waiter/Waitress and Dining Room Manager
120599 Culinary Arts and Related Services, Other
129999 Personal and Miscellaneous Services, Other

13 Education

130101 Education, General
130201 Bilingual/Bicultural Education
130301 Curriculum and Instruction
130401 Education Administration and Supervision, General
130402 Administration of Special Education
130403 Adult and Continuing Education Administration
130404 Educational Supervision
130405 Elementary, Middle and Secondary Education Administration
130406 Higher Education Administration
130407 Community and Junior College Administration
130499 Education Administration and Supervision, Other
130501 Educational/Instructional Media Design
130601 Educational Evaluation and Research
130603 Educational Statistics and Research Methods
130604 Educational Assessment, Testing and Measurement
130699 Educational Evaluation, Research and Statistics, Other
130701 International and Comparative Education
130802 Educational Psychology
130901 Social and Philosophical Foundations of Education
131001 Special Education, General
131003 Education of the Deaf and Hearing Impaired
131004 Education of the Gifted and Talented
131005 Education of the Emotionally Handicapped
131006 Education of the Mentally Handicapped
131007 Education of the Multiple Handicapped
131008 Education of the Physically Handicapped
131009 Education of the Blind and Visually Handicapped
131011 Education of the Specific Learning Disabled
131012 Education of the Speech Impaired
131013 Education of the Autistic
131099 Special Education, Other
131101 Counselor Education Counseling and Guidance Services
131102 College/Postsecondary Student Counseling and Personnel Servi
131201 Adult and Continuing Teacher Education
131202 Elementary Teacher Education
131203 Junior High/Intermediate/Middle School Teacher Education
131204 Pre-Elementary/Early Childhood/Kindergarten Teacher Educatio
131205 Secondary Teacher Education
131206 Teacher Education, Multiple Levels
131299 General Teacher Education, Other
131301 Agricultural Teacher Education (Vocational)
131302 Art Teacher Education
131303 Business Teacher Education (Vocational)
131304 Driver and Safety Teacher Education
131305 English Teacher Education
131306 Foreign Languages Teacher Education

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131307 Health Teacher Education
131308 Home Economics Teacher Education (Vocational)
131309 Tech. Teacher Education/Industrial Arts Teacher Education
131310 Mkt. Op. Teacher Education/Marketing & Distribution Teacher
131311 Mathematics Teacher Education
131312 Music Teacher Education
131314 Physical Education Teaching and Coaching
131315 Reading Teacher Education
131316 Science Teacher Education, General
131317 Social Science Teacher Education
131318 Social Studies Teacher Education
131319 Technical Teacher Education (Vocational)
131320 Trade and Industrial Teacher Education (Vocational)
131321 Computer Teacher Education
131322 Biology Teacher Education
131323 Chemistry Teacher Education
131324 Drama and Dance Teacher Education
131325 French Language Teacher Education
131326 German Language Teacher Education
131327 Health Occupations Teacher Education (Vocational)
131328 History Teacher Education
131329 Physics Teacher Education
131330 Spanish Language Teacher Education
131331 Speech Teacher Education
131399 Teacher Education, Specific Academic and Vocational Program
131401 Teaching English as a Second Language/Foreign Language
131501 Teacher Assistant/Aide
139999 Education, Other

14-15 Engineering and Engineering Technologies

140101 Engin., General
140201 Aerospace, Aeronautical and Astronautical Engin.
140301 Agricultural Engin.
140401 Architectural Engin.
140501 Bioengineering and Biomedical Engin.
140601 Ceramic Sciences and Engin.
140701 Chemical Engin.
140801 Civil Engin., General
140802 Geotechnical Engin.
140803 Structural Engin.
140804 Transportation and Highway Engin.
140805 Water Resources Engin.
140899 Civil Engin., Other
140901 Computer Engin.
141001 Electrical, Electronics and Communication Engin.
141101 Engin. Mechanics
141201 Engin. Physics
141301 Engin. Science
141401 Environmental/Environmental Health Engin.
141501 Geological Engin.
141601 Geophysical Engin.
141701 Industrial/Manufacturing Engin.
141801 Material Engin.
141901 Mechanical Engin.
142001 Metallurgical Engin.
142101 Mining and Mineral Engin.
142201 Naval Architecture and Marine Engin.
142301 Nuclear Engin.
142401 Ocean Engin.
142501 Petroleum Engin.

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142701 Systems Engin.
142801 Textile Sciences and Engin.
142901 Engin. Design
143001 Engin./Industrial Management
143101 Materials Science
143201 Polymer/Plastics Engin.
149999 Engin., Other
150101 Architectural Engin. Tech./Technician
150201 Civil Engin./Civil Tech./Technician
150301 Computer Engin. Tech./Technician
150303 Electrical, Electronic and Communications Engin. Tech./Tec
150304 Laser and Optical Tech./Technician
150399 Electrical and Electronic Engin.-Related Technol./Technician
150401 Biomedical Engin.-Related Tech./Technician
150402 Computer Main. Tech./Technician
150403 Electromechanical Tech./Technician
150404 Instrumentation Tech./Technician
150405 Robotics Tech./Technician
150499 Electromechanical Instrumentation and Main. Technol./Technic
150501 Heating, Air Conditioning and Refrigeration Tech./Technician
150503 Energy Management and Systems Tech./Technician
150505 Solar Tech./Technician
150506 Water Quality and Wastewater Treatment Tech./Technician
150507 Environmental and Pollution Control Tech./Technician
150599 Environmental Control Technol./Technicians, Other
150603 Industrial/Manufacturing Tech./Technician
150607 Plastics Tech./Technician
150611 Metallurgical Tech./Technician
150699 Industrial Production Technol./Technicians, Other
150701 Occupational Safety and Health Tech./Technician
150702 Quality Control Tech./Technician
150799 Quality Control and Safety Technol./Technicians, Other
150801 Aeronautical and Aerospace Engin. Tech./Technician
150803 Automotive Engin. Tech./Technician
150805 Mechanical Engin./Mechanical Tech./Technician
150899 Mechanical Engin.-Related Technol./Technicians, Other
150901 Mining Tech./Technician
150903 Petroleum Tech./Technician
150999 Mining and Petroleum Technol./Technicians, Other
151001 Construction/Building Tech./Technician
151101 Engin.-Related Tech./Technician, General
151102 Surveying
151103 Hydraulic Tech./Technician
159999 Engin.-Related Technol./Technicians, Other

16 Foreign Languages and Literature

160101 Foreign Languages and Literatures, General
160102 Linguistics
160103 Foreign Language Interpretation and Translation
160301 Chinese Language and Literature
160302 Japanese Language and Literature
160399 East and Southeast Asian Languages and Literatures, Other
160402 Russian Language and Literature
160403 Slavic Languages and Literatures (Other Than Russian)
160499 East European Languages and Literatures, Other
160501 German Language and Literature
160502 Scandinavian Languages and Literatures
160599 Germanic Languages and Literatures, Other
160601 Greek Language and Literature (Modern)
160703 South Asian Languages and Literatures

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160901 French Language and Literature
160902 Italian Language and Literature
160904 Portuguese Language and Literature
160905 Spanish Language and Literature
160999 Romance Languages and Literatures, Other
161101 Arabic Language and Literature
161102 Hebrew Language and Literature
161199 Middle Eastern Languages and Literatures, Other
161201 Classics and Classical Languages and Literatures
161202 Greek Language and Literature (Ancient and Medieval)
161203 Latin Language and Literature (Ancient and Medieval)
161299 Classical and Ancient Near Eastern Languages and Literature
169999 Foreign Languages and Literatures, Other

19-20 Home Economics/Vocational Home Economics

190101 Home Economics, General
190201 Business Home Economics
190202 Home Economics Communications
190301 Family and Community Studies
190401 Family Resource Management Studies
190402 Consumer Economics and Science
190499 Family/Consumer Resource Management, Other
190501 Foods and Nutrition Studies, General
190502 Foods and Nutrition Science
190503 Dietetics/Human Nutritional Services
190505 Food Systems Administration
190599 Foods and Nutrition Studies, Other
190601 Housing Studies, General
190603 Interior Environments
190699 Housing Studies, Other
190701 Individual and Family Development Studies, General
190703 Family and Marriage Counseling
190704 Family Life and Relations Studies
190705 Gerontological Services
190706 Child Growth, Care and Development Studies
190799 Individual and Family Development Studies, Other
190901 Clothing/Apparel and Textile Studies
199999 Home Economics, Other
200201 Child Care and Guidance Workers and Managers, General
200202 Child Care Provider/Assistant
200203 Child Care Services Manager
200299 Child Care and Guidance Workers and Managers, Other
200301 Clothing, Apparel and Textile Workers and Managers, General
200303 Commercial Garment and Apparel Worker
200305 Custom Tailor
200306 Fashion and Fabric Consultant
200309 Drycleaner and Launderer (Commercial)
200399 Clothing, Apparel and Textile Workers and Managers, Other
200401 Institutional Food Workers and Administrators, General
200404 Dietician Assistant
200405 Food Caterer
200409 Institutional Food Services Administrator
200499 Institutional Food Workers and Administrators, Other
200501 Home Furnishings and Equipment Installers and Consultants
200502 Window Treatment Maker and Installer
200599 Home Furnishings and Equipment Installers and Consultants
200601 Custodial, Housekeeping and Home Services Workers and Managers
200602 Elder Care Provider/Companion
200604 Custodian/Caretaker
200605 Executive Housekeeper

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200606 Homemaker's Aide
200699 Custodial, Housekeeping and Home Services Workers and Manage
209999 Vocational Home Economics, Other

22 Law

220101 Law (LL.B., J.D.)
220102 Pre-Law Studies
220103 Paralegal/Legal Assistant
220104 Juridical Science/Legal Specialization(LL.M.,M.C.L.,J.S.D.)
220199 Law and Legal Studies, Other

23 English Language and Literature

230101 English Language and Literature, General
230301 Comparative Literature
230401 English Composition
230501 English Creative Writing
230701 American Literature (United States)
230801 English Literature (British and Commonwealth)
231001 Speech and Rhetorical Studies
231101 English Technical and Business Writing
239999 English Language and Literature/Letters, Other

24 Liberal Arts/General Studies/Humanities

240101 Liberal Arts and Sciences/Liberal Studies
240102 General Studies
240103 Humanities/Humanistic Studies
240199 Liberal Art and Sciences, General Studies and Humanities,

25 Library Sciences

250101 Library Science/Librarianship
250301 Library Assistant
259999 Library Science, Other

26 Biological Sciences/Life Sciences

260101 Biology, General
260202 Biochemistry
260203 Biophysics
260301 Botany, General
260305 Plant Pathology
260307 Plant Physiology
260399 Botany, Other
260401 Cell Biology
260402 Molecular Biology
260499 Cell and Molecular Biology, Other
260501 Microbiology/Bacteriology
260601 Anatomy
260603 Ecology
260607 Marine/Aquatic Biology
260608 Neuroscience
260609 Nutritional Sciences
260610 Parasitology
260611 Radiation Biology/Radiobiology
260612 Toxicology
260613 Genetics, Plant and Animal
260614 Biometrics
260615 Biostatistics
260616 Biotechnology Research
260617 Evolutionary Biology
260618 Biological Immunology
260619 Virology

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APPENDIX 12 – NCEC INSTRUCTIONAL PROGRAM CODES

260699 Miscellaneous Biological Specializations, Other
260701 Zoology, General
260702 Entomology
260704 Pathology, Human and Animal
260705 Pharmacology, Human and Animal
260706 Physiology, Human and Animal
260799 Zoology, Other
269999 Biological Sciences/Life Sciences, Other

27 Mathematics

270101 Mathematics
270301 Applied Mathematics, General
270302 Operations Research
270399 Applied Mathematics, Other
270501 Mathematical Statistics
272806 Pedodontics Specialty
279999 Mathematics, Other

28-29 Military Technologies

280101 Air Force R.O.T.C./Air Science
280301 Army R.O.T.C./Military Science
280401 Navy/Marine Corps R.O.T.C./Naval Science
290101 Military Technol.

30 Inter/Multi-Disciplinary Studies

300101 Biological and Physical Sciences
300501 Peace and Conflict Studies
300601 Systems Science and Theory
300801 Mathematics and Computer Science
301001 Biopsychology
301101 Gerontology
301201 Historic Preservation, Conservation and Architectural Hist
301301 Medieval and Renaissance Studies
301401 Museology/Museum Studies
301501 Science, Tech. and Society
309999 Multi/Interdisciplinary Studies, Other

31 Parks, Recreation, and Leisure Studies

310101 Parks, Recreation and Leisure Studies
310301 Parks, Recreation and Leisure Facilities Management
310501 Health and Physical Education, General
310502 Adapted Physical Education/Therapeutic Recreation
310503 Athletic Training and Sports Medicine
310504 Sport and Fitness Administration/Management
310505 Exercise Sciences/Physiology and Movement Studies
310506 Socio-Psychological Sports Studies
310599 Health and Physical Education/Fitness, Other
319999 Parks, Recreation, Leisure and Fitness Studies, Other

38 Philosophy/Religious Studies

380101 Philosophy
380201 Religion/Religious Studies
380301 Philosophy and Religion

39 Theology

390101 Biblical and Other Theological Languages and Literatures
390201 Bible/Biblical Studies
390301 Missions/Missionary Studies and Misology
390401 Religious Education
390501 Religious/Sacred Music

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APPENDIX 12 – NCEC INSTRUCTIONAL PROGRAM CODES

390601 Theology/Theological Studies
390602 Divinity/Ministry (B.D., M.Div.)
390604 Rabbinical and Talmudic Studies (M.H.L./Rav)
390605 Pre-Theological/Pre-Ministerial Studies
390699 Theological and Ministerial Studies, Other
390701 Pastoral Counseling and Specialized Ministries
399999 Theological Studies and Religious Vocations, Other

40 Physical Sciences

400101 Physical Sciences, General
400201 Astronomy
400301 Astrophysics
400401 Atmospheric Sciences and Meteorology

4005 Chemistry

400501 Chemistry, General
400502 Analytical Chemistry
400503 Inorganic Chemistry
400504 Organic Chemistry
400505 Medicinal/Pharmaceutical Chemistry
400506 Physical and Theoretical Chemistry
400507 Polymer Chemistry
400599 Chemistry, Other

4006-07 Geology/Earth Sciences

400601 Geology
400602 Geochemistry
400603 Geophysics and Seismology
400604 Paleontology
400699 Geological Sciences, Other
400701 Metallurgy
400702 Oceanography
400703 Earth and Planetary Sciences
400799 Miscellaneous Physical Sciences, Other

4008 Physics

400801 Physics, General
400802 Chemical and Atomic/Molecular Physics
400804 Elementary Particle Physics
400805 Plasma and High-Temperature Physics
400806 Nuclear Physics
400807 Optics
400808 Solid State and Low-Temperature Physics
400809 Acoustics
400810 Theoretical and Mathematical Physics
400899 Physics, Other
409999 Physical Sciences, Other

41 Science Technologies

410101 Biological Tech./Technician
410204 Industrial Radiologic Tech./Technician
410205 Nuclear/Nuclear Power Tech./Technician
410299 Nuclear and Industrial Radiologic Technol./Technicians, Other
410301 Chemical Tech./Technician
410399 Physical Science Technol./Technicians, Other
419999 Science Technol./Technicians, Other

42 Psychology

420101 Psychology, General
420201 Clinical Psychology

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420301 Cognitive Psychology and Psycholinguistics
420401 Community Psychology
420601 Counseling Psychology
420701 Developmental and Child Psychology
420801 Experimental Psychology
420901 Industrial and Organizational Psychology
421101 Physiological Psychology/Psychobiology
421601 Social Psychology
421701 School Psychology
429999 Psychology, Other

43 Protective Services

430102 Corrections/Correctional Administration
430103 Criminal Justice/Law Enforcement Administration
430104 Criminal Justice Studies
430106 Forensic Tech./Technician
430107 Law Enforcement/Police Science
430109 Security and Loss Prevention Services
430199 Criminal Justice and Corrections, Other
430201 Fire Protection and Safety Tech./Technician
430202 Fire Services Administration
430203 Fire Science/Firefighting
430299 Fire Protection, Other
439999 Protective Services, Other

44 Public Administration and Services

440201 Community Organization, Resources and Services
440401 Public Administration
440501 Public Policy Analysis
440701 Social Work
449999 Public Administration and Services, Other
450101 Social Sciences, General

4502-05 Anthropology

450201 Anthropology
450301 Archeology
450401 Criminology
450501 Demography/Population Studies

4506 Economics

450601 Economics, General
450602 Applied and Resource Economics
450603 Econometrics and Quantitative Economics
450604 Development Economics and International Development
450605 International Economics
450699 Economics, Other

4507 Geography

450701 Geography
450702 Cartography

4508-09 History

450801 History, General
450802 American (United States) History
450803 European History
450804 History and Philosophy of Science and Tech.
450805 Public/Applied History and Archival Administration
450899 History, Other
450901 International Relations and Affairs

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4510 Political Science

451001 Political Science, General
451002 American Government and Politics
451099 Political Science and Government, Other

4511 Sociology

451101 Sociology
451201 Urban Affairs/Studies
459999 Social Sciences and History, Other

46 Construction Trades

460101 Mason and Tile Setter
460201 Carpenter
460301 Electrical and Power Transmission Installer, General
460302 Electrician
460303 Lineworker
460399 Electrical and Power Transmission Installer, Other
460401 Building/Property Main. and Manager
460403 Construction/Building Inspector
460408 Painter and Wall Coverer
460499 Construction and Building Finishers and Managers, Other
460501 Plumber and Pipefitter
469999 Construction Trades, Other

47 Mechanics and Repairers

470101 Electrical and Electronics Equipment Installer and Repairer
470102 Business Machine Repairer
470103 Communication Systems Installer and Repairer
470104 Computer Installer and Repairer
470105 Industrial Electronics Installer and Repairer
470106 Major Appliance Installer and Repairer
470199 Electrical and Electronics Equipment Installer and Repairer
470201 Heating, Air Conditioning and Refrigeration Mechanic and Rep
470302 Heavy Equipment Main. and Repairer
470303 Industrial Machinery Main. and Repairer
470399 Industrial Equipment Main. and Repairers, Other
470401 Instrument Calibration and Repairer
470402 Gunsmith
470403 Locksmith and Safe Repairer
470404 Musical Instrument Repairer
470408 Watch, Clock and Jewelry Repairer
470499 Miscellaneous Mechanics and Repairers, Other
470501 Stationary Energy Sources Installer and Operator
470603 Auto/Automotive Body Repairer
470604 Auto/Automotive Mechanic/Technician
470605 Diesel Engine Mechanic and Repairer
470606 Small Engine Mechanic and Repairer
470607 Aircraft Mechanic/Technician, Airframe
470608 Aircraft Mechanic/Technician, Powerplant
470609 Aviation Systems and Avionics Main. Technologist/Technician
470610 Bicycle Mechanic and Repairer
470611 Motorcycle Mechanic and Repairer
470699 Vehicle and Mobile Equipment Mechanics and Repairers, Other
479999 Mechanics and Repairers, Other

48 Precision Production Trades

480101 Drafting, General
480102 Architectural Drafting
480103 Civil/Structural Drafting
480104 Electrical/Electronics Drafting

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480105 Mechanical Drafting
480199 Drafting, Other
480201 Graphic and Printing Equipment Operator, General
480205 Mechanical Typesetter and Composer
480206 Lithographer and Platemaker
480208 Printing Press Operator
480211 Computer Typography and Composition Equipment Operator
480212 Desktop Publishing Equipment Operator
480299 Graphic and Printing Equipment Operators, Other
480303 Upholsterer
480304 Shoe, Boot and Leather Repairer
480399 Leatherworkers and Upholsterers, Other
480501 Machinist/Machine Technologist
480503 Machine Shop Assistant
480506 Sheet Metal Worker
480507 Tool and Die Maker/Technologist
480508 Welder/Welding Technologist
480599 Precision Metal Workers, Other
480701 Woodworkers, General
480702 Furniture Designer and Maker
480703 Cabinet Maker and Millworker
480799 Woodworkers, Other
489999 Precision Production Trades, Other

49 Transportation and Material Moving

490101 Aviation and Airway Science
490102 Aircraft Pilot and Navigator (Professional)
490104 Aviation Management
490105 Air Traffic Controller
490106 Flight Attendant
490107 Aircraft Pilot (Private)
490199 Air Transportation Workers, Other
490202 Construction Equipment Operator
490205 Truck, Bus and Other Commercial Vehicle Operator
490299 Vehicle and Equipment Operators, Other
490303 Fishing Tech./Commercial Fishing
490304 Diver (Professional)
490306 Marine Main. and Ship Repairer
490309 Marine Science/Merchant Marine Officer
490399 Water Transportation Workers, Other
499999 Transportation and Materials Moving Workers, Other

50 Visual and Performing Arts

500101 Visual and Performing Arts
500201 Crafts, Folk Art and Artisanry
500301 Dance
500401 Design and Visual Communications
500402 Graphic Design, Commercial Art and Illustration
500404 Industrial Design
500406 Commercial Photography
500407 Fashion Design and Illustration
500408 Interior Design
500499 Design and Applied Arts, Other
500501 Drama/Theater Arts, General
500502 Technical Theater/Theater Design and Stagecraft
500503 Acting and Directing
500504 Playwriting and Screenwriting
500505 Drama/Theater Literature, History and Criticism
500599 Dramatic/Theater Arts and Stagecraft, Other
500601 Film/Cinema Studies

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500602 Film-Video Making/Cinematography and Production
500605 Photography
500699 Film/Video and Photographic Arts, Other
500701 Art, General
500702 Fine/Studio Arts
500703 Art History, Criticism and Conservation
500704 Arts Management
500705 Drawing
500706 Intermedia
500708 Painting
500709 Sculpture
500710 Printmaking
500711 Ceramics Arts and Ceramics
500712 Fiber, Textile and Weaving Arts
500713 Metal and Jewelry Arts
500799 Fine Arts and Art Studies, Other
500901 Music, General
500902 Music History and Literature
500903 Music - General Performance
500904 Music Theory and Composition
500905 Musicology and Ethnomusicology
500906 Music Conducting
500907 Music - Piano and Organ Performance
500908 Music - Voice and Choral/Opera Performance
500909 Music Business Management and Merchandising
500999 Music, Other
509999 Visual and Performing Arts, Other

51 Health Professionals and Related Sciences

510101 Chiropractic (D.C., D.C.M.)
510201 Communication Disorders, General
510202 Audiology/Hearing Sciences
510203 Speech-Language Pathology
510204 Speech-Language Pathology and Audiology
510205 Sign Language Interpreter
510299 Communication Disorders Sciences and Services, Other
510301 Community Health Liaison
510401 Dentistry (D.D.S., D.M.D.)
510501 Dental Clinical Sciences/Graduate Dentistry (M.S., Ph.D.)
510601 Dental Assistant
510602 Dental Hygienist
510603 Dental Laboratory Technician
510699 Dental Services, Other
510701 Health System/Health Services Administration
510702 Hospital/Health Facilities Administration
510703 Health Unit Coordinator/Ward Clerk
510704 Health Unit Manager/Ward Supervisor
510705 Medical Office Management
510706 Medical Records Administration
510707 Medical Records Tech./Technician
510708 Medical Transcription
510799 Health and Medical Administrative Services, Other
510801 Medical Assistant
510802 Medical Laboratory Assistant
510803 Occupational Therapy Assistant
510804 Ophthalmic Medical Assistant
510805 Pharmacy Technician/Assistant
510806 Physical Therapy Assistant
510807 Physician Assistant
510808 Veterinarian Assistant/Animal Health Technician

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510899 Health and Medical Assistants, Other
510901 Cardiovascular Tech./Technician
510902 Electrocardiograph Tech./Technician
510903 Electroencephalograph Tech./Technician
510904 Emergency Medical Tech./Technician
510905 Nuclear Medical Tech./Technician
510906 Perfusion Tech./Technician
510907 Medical Radiologic Tech./Technician
510908 Respiratory Therapy Technician
510909 Surgical/Operating Room Technician
510910 Diagnostic Medical Sonography
510999 Health and Medical Diagnostic and Treatment Services, Other
511001 Blood Bank Tech./Technician
511002 Cytotechnologist
511003 Hematology Tech./Technician
511004 Medical Laboratory Technician
511005 Medical Tech.
511006 Optometric/Ophthalmic Laboratory Technician
511099 Health and Medical Laboratory Technol./Technicians, Other
511101 Pre-Dentistry Studies
511102 Pre-Medicine Studies
511103 Pre-Pharmacy Studies
511104 Pre-Veterinary Studies
511199 Health and Medical Preparatory Programs, Other
511201 Medicine (M.D.)
511301 Medical Anatomy
511302 Medical Biochemistry
511303 Medical Biomathematics and Biometrics
511304 Medical Physics/Biophysics
511305 Medical Cell Biology
511306 Medical Genetics
511307 Medical Immunology
511308 Medical Microbiology
511309 Medical Molecular Biology
511310 Medical Neurobiology
511311 Medical Nutrition
511312 Medical Pathology
511313 Medical Physiology
511314 Medical Toxicology
511399 Basic Medical Sciences, Other
511401 Medical Clinical Sciences (M.S., Ph.D.)
511501 Alcohol/Drug Abuse Counseling
511502 Psychiatric/Mental Health Services Technician
511503 Clinical and Medical Social Work
511599 Mental Health Services, Other
511601 Nursing (R.N. Training)
511602 Nursing Administration (Post-R.N.)
511603 Nursing, Adult Health (Post-R.N.)
511604 Nursing Anesthetist (Post-R.N.)
511605 Nursing, Family Practice (Post-R.N.)
511606 Nursing, Maternal/Child Health (Post-R.N.)
511607 Nursing Midwifery (Post-R.N.)
511608 Nursing Science (Post-R.N.)
511609 Nursing, Pediatric (Post-R.N.)
511610 Nursing, Psychiatric/Mental Health (Post-R.N.)
511611 Nursing, Public Health (Post-R.N.)
511612 Nursing, Surgical (Post-R.N.)
511613 Practical Nurse (L.P.N. Training)
511614 Nurse Assistant/Aide
511615 Home Health Aide

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511699 Nursing, Other
511701 Optometry (O.D.)
511801 Opticianry/Dispensing Optician
511802 Optical Technician/Assistant
511803 Ophthalmic Medical Technologist
511804 Orthoptics
511899 Ophthalmic/Optometric Services, Other
511901 Osteopathic Medicine (D.O.)
512001 Pharmacy (B. Pharm., Pharm.D.)
512002 Pharmacy Administration and Pharmaceuticals
512003 Medical Pharmacology and Pharmaceutical Sciences
512099 Pharmacy, Other
512101 Podiatry (D.P.M., D.P., Pod.D.)
512201 Public Health, General
512202 Environmental Health
512203 Epidemiology
512204 Health and Medical Biostatistics
512205 Health Physics/Radiologic Health
512206 Occupational Health and Industrial Hygiene
512207 Public Health Education and Promotion
512299 Public Health, Other
512301 Art Therapy
512302 Dance Therapy
512303 Hypnotherapy
512304 Movement Therapy
512305 Music Therapy
512306 Occupational Therapy
512307 Orthotics/Prosthetics
512308 Physical Therapy
512309 Recreational Therapy
512310 Vocational Rehabilitation Counseling
512399 Rehabilitation/Therapeutic Services, Other
512401 Veterinary Medicine (D.V.M.)
512501 Veterinary Clinical Sciences (M.S., Ph.D.)
512601 Health Aide
512701 Acupuncture and Oriental Medicine
512702 Medical Dietician
512703 Medical Illustrating
512704 Naturopathic Medicine
512705 Psychoanalysis
519999 Health Professions and Related Sciences, Other

52 Business and Management

520101 Business, General
520201 Business Administration and Management, General
520202 Purchasing, Procurement and Contracts Management
520203 Logistics and Materials Management
520204 Office Supervision and Management
520205 Operations Management and Supervision
520206 Non-Profit and Public Management
520299 Business Administration and Management, Other
520301 Accounting
520302 Accounting Technician
520399 Accounting, Other
520401 Administrative Assistant/Secretarial Science, General
520402 Executive Assistant/Secretary
520403 Legal Administrative Assistant/Secretary
520404 Medical Administrative Assistant/Secretary
520405 Court Reporter
520406 Receptionist

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520407 Information Processing/Data Entry Technician
520408 General Office/Clerical and Typing Services
520499 Administrative and Secretarial Services, Other
520501 Business Communications
520601 Business/Managerial Economics
520701 Enterprise Management and Operation, General
520702 Franchise Operation
520799 Enterprise Management and Operation, Other
520801 Finance, General
520802 Actuarial Science
520803 Banking and Financial Support Services
520804 Financial Planning
520805 Insurance and Risk Management
520806 International Finance
520807 Investments and Securities
520808 Public Finance
520899 Financial Management and Services, Other
520901 Hospitality/Administration Management
520902 Hotel/Motel and Restaurant Management
520903 Travel-Tourism Management
520999 Hospitality Services Management, Other
521001 Human Resources Management
521002 Labor/Personnel Relations and Studies
521003 Organizational Behavior Studies
521099 Human Resources Management, Other
521101 International Business
521201 Management Information Systems and Business Data Processing
521202 Business Computer Programming/Programmer
521203 Business Systems Analysis and Design
521204 Business Systems Networking and Telecommunications
521205 Business Computer Facilities Operator
521299 Business Information and Data Processing Services, Other
521301 Management Science
521302 Business Statistics
521399 Business Quantitative Methods and Management Science, Other
521401 Business Marketing and Marketing Management
521403 Marketing Research
521404 International Business Marketing
521499 Marketing Management and Research, Other
521501 Real Estate
521601 Taxation
529999 Business Management and Administrative Services, Other