



Application for STEM Occupations Student Loan Forgiveness Program

Application year: May 1, 2012 - June 30, 2012

Note: This program was formerly administered under the title "Technology Occupations Student Loan Forgiveness program."

- Follow instructions carefully
 - Disclosure of your Social Security number is voluntary. Social Security numbers are used as an individual ID number for record keeping and administrative purposes. If you do not disclose your Social Security number, an individual ID number will be assigned. Failure to provide a Social Security number may cause delays in administrative services such as financial aid processing.
 - Questions about the program or procedures for making application should be directed to Gina Padilla at 701.328.2964 or Nathan Stratton at 701.328.4114.
- Print or type

General Information

Name (Last, First, Middle Initial)	Social Security No.	
Email	Daytime Phone No.	
Present Mailing Address	City	State/Zip Code
Permanent Mailing Address (if different)	City	State/Zip Code

Education and Occupation

<p>Did you graduate from a campus STEM related major as defined in Table 1? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>• If yes, the Program CIP Code for that major is: _____</p> <p>List STEM Job Occupation Code (Reference Table 2): _____ A degree from Table 1 is required for Table 2 occupations to qualify.</p> <p>Did you have a cumulative grade point average of at least 2.5 on a 4.0 scale when you received your degree?</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No (Attach copy of final college transcript if one has not previously been submitted)</p>

Loan Information

<p>Do you have one of the student loans listed below? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>• If yes, indicate which loan you wish to have reduced under this program: (check only one)</p>	
<input type="checkbox"/> FFEL Stafford (subsidized) <input type="checkbox"/> FFEL Stafford (unsubsidized) <input type="checkbox"/> FFEL Consolidated Loan <input type="checkbox"/> Dakota Educational Alternative Loan (DEAL)	<input type="checkbox"/> William D. Ford Federal Direct Loan (subsidized) <input type="checkbox"/> William D. Ford Federal Direct Loan (unsubsidized) <input type="checkbox"/> William D. Ford Federal Direct Consolidated Loan <input type="checkbox"/> Federal Perkins Loan
Amount owed on this loan:	as of : (Date)

If approved, I wish to have my loan forgiveness payment sent to the following holder of my student loan:		
Name of Financial Institution	Phone No.	
Address	City	State/Zip Code

Applicant Statement of Certification and Authorization

I hereby certify that the information contained on this application is true and correct. I understand that I have the specific responsibility for applying for the STEM Occupations Student Loan Program **each year**. I also give my employer permission to release to the North Dakota University System any information that may be needed to verify the contents of my application, and for the North Dakota University System to share this information with the Bank of North Dakota or other participating lender to process payment of my outstanding loan.

Signature of Applicant

Date

Personnel Director or CEO Statement of Certification

I hereby certify that _____ with social security number of _____
(name of applicant)
was employed full time with _____ and works in
name of company
North Dakota at _____
(applicant's worksite location/address)
during the period of _____ to _____ in an occupation which can be
(hire date) *(date of termination or present)*
classified as a STEM job occupation SOC code number ____ - _____ as defined in Table 2.

Printed **name and title** of authorized official

Email Address

Work Phone Number

Signature of authorized official

Date

* Certifications dated prior to the program opening date may be subject to verification.

Please print and return complete application, certifications, and transcript to:

**STEM Occupations Loan Forgiveness
North Dakota University System
600 E Boulevard Ave Dept 215
Bismarck ND 58505-0230**

North Dakota University System - Table 1 STEM Program Areas and Codes List of Active Programs 2011

(Derived from 2000 Draft CIP's, United States Department of Education)

<u>CIP</u>	<u>Program Areas</u>	<u>CIP</u>	<u>Program Areas</u>	<u>CIP</u>	<u>Program Areas</u>
01.0201	Agricultural Mechanization, General • Agricultural Systems Management – NDSU	04.0201	Architecture • Architecture – NDSU	11.0901	Computer Systems Networking and Telecommunications • Computer Applications – CCCC • Computer Support Specialist – BSC • Information Technology – DCB • Microsoft Certified Network Administrator – FBCC
01.0205	Agricultural Mechanics and Equipment/Machine Technology • John Deere Technology – NDSCS	04.0401	Environmental Design/Architecture • Environmental Design – NDSU	11.1002	System, Networking, and LAN/WAN Management/Information Technology • Information Technology – WSC
01.0401	Agricultural and Food Products Processing • Cereal Science – NDSU	04.0601	Landscape Architecture • Landscape Architecture – NDSU	11.1004	Web/Multimedia Management and Webmaster • Information Technology - Web Master – DCB
01.0901	Animal Sciences, General • Animal Sciences – NDSU	11.0101	Computer and Information Sciences, General • Computer Information Specialist – FBCC • Computer Information Systems – MaSU, NDSCS, UM, VCSU • Computer Science – DSU, JC, MiSU, UND	11.9999	Computer and Information Sciences and Support Services/Other • Computer Information System (BAS) – MaSU • Computer Tech Support Specialist – TMCC • Information Technology - Web Design – DCB
01.1001	Food Science • Food Science – NDSU	11.0103	Information Technology • Computer Information Technology – UTTC • Enterprise Application – VCSU • Information Technology – JC, SBC	13.0501	Educational/Instructional Media Design • Instructional Design & Technology – UND
01.1102	Agronomy and Crop Science • Plant Sciences – NDSU	11.0201	Computer Programming/Programmer, General • Computer Science Basic Programming – MiSU • Software Systems Design – RC	13.1309	Technology Teacher Education/ Industrial Arts Teacher Education • Education – VCSU • Technology Education – DSU, VCSU
01.1103	Horticultural Science • Horticulture – NDSU	11.0301	Data Processing and Data Processing Technology/Technician • Computer Technology Management – DSU • Information Processing – WSC • Information Technology – MaSU	13.1311	Mathematics Teacher Education • Elementary Education/Mathematics – UND • Mathematics Education – DSU, JC, MaSU, MiSU, VCSU, UM
01.1105	Plant Protection and Integrated Pest Management • Plant Protection – NDSU (t)	11.0401	Information Science/Studies • Information Technology – UM • Virtual Business – MiSU	13.1316	Science Teacher Education/General Science Teacher Education • Composite Science Education – VCSU (t) • Comprehensive Science Education – NDSU • Earth Science Education – MiSU, NDSU • Physical Science Education – MiSU • Science Education – MiSU, UND • Science Teacher Education – DSU • Secondary Science – TMCC • Secondary Science Education – SBC
01.1201	Soil Science and Agronomy, General • Soil Science – NDSU	11.0501	Computer Systems Analysis/Analyst • Information Systems – UND	13.1319	Technical Teacher Education • Career and Technical Education – UND (t), VCSU
03.0101	Natural Resources/Conservation, General • Environmental Technology-Natural Resource Management – DCB • Natural Resource Management – SBC	11.0701	Computer Science • Computer Science – NDSU • Scientific Computing – UND		
03.0103	Environmental Studies • Earth System Science and Policy – UND • Environmental Science – SBC • Environmental Studies – UND • Studies in Community and Environment – MiSU	11.0801	Web Page, Digital/Multimedia and Information Resources Design • Multimedia Technologies – RC • Web Development – MiSU • Web Page Development and Design – BSC		
03.0104	Environmental Science • Environmental Science – DSU, FBCC				
03.0201	Natural Resources Management and Policy • Natural Resources Management – CCCC, NDSU				
03.0508	Urban Forestry • Arboriculture and Urban Forestry – DCB				
03.0601	Wildlife, Fish and Wildlands Science and Management • Fisheries and Wildlife Sciences – VCSU • Wildlife and Fisheries Technology – DCB				

• Indicates programs known to exist in North Dakota. Students graduating from comparable programs in other states are eligible when students meet North Dakota residency and other requirements.

(t) Indicates program that has been terminated.

Acronyms: BSC = Bismarck State College, DCB = Dakota College at Bottineau, DSU = Dickinson State University, FBCC = Fort Berthold Community College, JC = Jamestown College, LRSC = Lake Region State College, MaSU = Mayville State University, MiSU = Minot State University, NDSCS = North Dakota State College of Science, NDSU = North Dakota State University, RC = Rasmussen College, TMCC = Turtle Mountain Community College, UM = University of Mary, UTTC = United Tribes Technical College, UND = University of North Dakota, VCSU = Valley City State University, WSC = Williston State College

CIP Program Areas

- 13.1322 Biology Teacher Education
 - Biological Sciences Education – NDSU
 - Biology Education – DSU, MiSU, UM
 - Biology Teacher Education – JC
 - Composite Biology Education – MaSU, VCSU
- 13.1323 Chemistry Teacher Education
 - Chemistry Education – DSU, JC, MiSU, NDSU
 - Composite Chemistry Education – MaSU, VCSU
- 13.1329 Physics Teacher Education
 - Composite Physical Science – MaSU (t)
 - Physics Education – MiSU, NDSU
- 14.0101 Engineering, General
 - Engineering – NDSU, UND
 - Engineering Science – UM
- 14.0301 Agricultural Engineering
 - Agricultural & Biosystems Engineering – NDSU
- 14.0701 Chemical Engineering
 - Chemical Engineering – UND
- 14.0801 Civil Engineering, General
 - Civil Engineering – NDSU, UND
- 14.0901 Computer Engineering, General
 - Computer Engineering – NDSU
- 14.0903 Computer Software Engineering
 - Software Engr – NDSU
- 14.1001 Electrical and Electronics Engineering
 - Electrical & Comp Engr – NDSU
 - Electrical Engineering – NDSU, UND
- 14.1401 Environmental/Environmental Health Engineering
 - Environmental Engineering – NDSU
 - Environmental Geoscience – UND
 - Interdisciplinary Environmental Engineering (Post Bach. Cert.) – UND
- 14.1801 Materials Engineering
 - Materials & Nanotechnology – NDSU
- 14.1901 Mechanical Engineering
 - Mechanical Engineering – NDSU, UND
- 14.2501 Petroleum Engineering
 - Petroleum Engineering – UND
- 14.3301 Construction Engineering
 - Construction Engineering – NDSU

CIP Program Areas

- 14.3501 Industrial Engineering
 - Industrial & Manufacturing Engr – NDSU
 - Industrial Engineering & Management – NDSU
- 14.3601 Manufacturing Engineering
 - Manufacturing Engineering – NDSU
- 14.3801 Surveying Engineering
 - Environmental Technology-Geographic Information Systems – DCB
- 14.3901 Geological/Geophysical Engineering
 - Geological Engineering – UND
- 14.9999 Engineering, Other
 - Sustainable Energy Engineering – UND
- 15.0000 Engineering Technology
 - Engineering Technology – BSC
- 15.0101 Architectural Engineering Technology/Technician
 - Architectural Drafting & Estimating Technology – NDSCS
- 15.0201 Civil Engineering Technology/Technician
 - Civil Engineering & Surveying Technology – NDSCS
- 15.0303 Electrical, Electronic and Communications Engineering Technology/Technician
 - Electric Power Technology – BSC
 - Electrical Transmission Systems Technology – BSC
 - Electronics Technology – BSC
 - Electronics/Telecommunications Technology – BSC
- 15.0399 Electrical and Electronic Engineering Technologies/Technicians
 - Electrical Technology – NDSCS
 - Electronic Technology – NDSCS (t)
 - Wind Energy Technician – LRSC
- 15.0499 Electromechanical & Instrumentation and Maintenance Technologies/ Technicians, Other
 - Instrumentation and Control Technologies – BSC
- 15.0501 Heating, Ventilation, Air Conditioning and Refrigeration Engineering Technology/Technician (ACH/ACR/ACHR/HRAC/HVAC/AC Technology)
 - Heating, Ventilating, Air Conditioning & Refrigeration Technology – NDSCS
- 15.0503 Energy Management and Systems Technology/Technician
 - Energy Auditor Program – UTTC
 - Energy Technician – SBC

CIP Program Areas

- 15.0506 Water Quality and Wastewater Treatment Manager Recycling Technology/Technician
 - Environmental Technology - Water Management
 - Water and Wastewater Technology – BSC
 - Water Quality Technology – DCB (t)
- 15.0507 Environmental Engineering Technology/Environment Technology
 - Environmental Technology-Laboratory & Field Te – DCB
- 15.0599 Environmental Control Technologies/Technicians, C
 - Renewable Generation Technology – BSC
- 15.0612 Industrial Technology/Technician
 - Industrial Technology – UND
 - Process Plant Technology – BSC, TMCC
- 15.0613 Manufacturing Engineering Technology/Technician
 - Automated Manufacturing Technician – NDSCS
- 15.0699 Industrial Production Technologies/ Technicians, OI
 - Power Plant Technology – BSC
- 15.0701 Occupational Safety and Health Technology/Technician
 - Occupational Safety & Environmental Health – U
- 15.0903 Petroleum Technology/Technician
 - Petroleum Engineering Technology – BSC
 - Petroleum Production Technology – BSC, WSC
- 15.1001 Construction Engineering Technology/Technician
 - Construction Mgmt Tech – NDSCS
- 15.1102 Surveying Technology/Surveying
 - Geographic Information System Technician – BS
- 15.1401 Nuclear Engineering Technology/Technician
 - Nuclear Power Technology – BSC
- 15.1601 Nanotechnology
 - Nanoscience Technology – NDSCS
- 15.9999 Engineering Technologies and Engineering Related Other
 - Energy Technology – FBCC
- 26.0101 Biology/Biological Sciences, General
 - Biological Sciences – NDSU
 - Biology – DSU, JC, MaSU, MiSU, NDSU, UM, VC
 - Biology/Pre-Health – UND
- 26.0202 Biochemistry
 - Biochemistry – JC, NDSU, UND

• Indicates programs known to exist in North Dakota. Students graduating from comparable programs in other states are eligible when students meet North Dakota residency and other requirements.

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<u>CIP</u>	<u>Program Areas</u>	<u>CIP</u>	<u>Program Areas</u>	<u>CIP</u>	<u>Program Areas</u>
26.0204	Molecular Biology <ul style="list-style-type: none"> • Molecular and Integrative Biology – UND 	27.0101	Mathematics, General <ul style="list-style-type: none"> • Mathematics – DSU, FBCC, JC, MaSU, MiSU, NDSU, UM, UND, VCSU 	47.0201	Heating, Air Conditioning, Ventilation and Refrigeration Maintenance Technology/Technician <ul style="list-style-type: none"> • Heating, Ventilation and Air Conditioning – BSC • Mechanical Systems – NDSCS • Plumbing – FBCC
26.0210	Biochemistry and Molecular Biology <ul style="list-style-type: none"> • Biochemistry & Molecular Biology – NDSU 	27.0301	Applied Mathematics, General <ul style="list-style-type: none"> • Applied Math, General – JC 	47.0303	Industrial Mechanics and Maintenance Technology <ul style="list-style-type: none"> • Mechanical Maintenance Technology – BSC
26.0301	Botany/Plant Biology <ul style="list-style-type: none"> • Botany – NDSU 	27.0501	Statistics, General <ul style="list-style-type: none"> • Applied Statistics – NDSU • Statistics – NDSU 	47.0604	Automobile/Automotive Mechanics Technology/Technician <ul style="list-style-type: none"> • Automotive Service Technology – UTTC • Automotive Technology – BSC, CCCC, LRSC, NWSU
26.0305	Plant Pathology/Phytopathology <ul style="list-style-type: none"> • Plant Pathology – NDSU 	30.0101	Biological and Physical Sciences <ul style="list-style-type: none"> • Math/Science Composite – UM 	47.0605	Diesel Mechanics Technology/Technician <ul style="list-style-type: none"> • Caterpillar Dealer Service Technician – NDSCS • Diesel Technology – LRSC, NDSCS, WSC
26.0403	Anatomy <ul style="list-style-type: none"> • Anatomy – UND 	30.1101	Multi/Interdisciplinary Studies <ul style="list-style-type: none"> • Gerontology – NDSU 	47.0606	Small Engine Mechanics and Repair Technology/Technician <ul style="list-style-type: none"> • Recreational Engines Technology – NDSCS
26.0406	Cell/Cellular and Molecular Biology <ul style="list-style-type: none"> • Cellular & Molecular Biology – NDSU 	40.0101	Physical Sciences <ul style="list-style-type: none"> • Physical Science – MiSU, UND • Physical Science Education – MaSU 	47.0699	Vehicle Maintenance and Repair Technologies, Other (to qualify) <ul style="list-style-type: none"> • Automotive & Diesel Master Technician – NDSCS
26.0502	Microbiology, General <ul style="list-style-type: none"> • Microbiology – NDSU 	40.0401	Atmospheric Sciences and Meteorology, General <ul style="list-style-type: none"> • Atmospheric Sciences – UND • Atmospheric Studies – UND 	48.0501	Machine Tool Technology/Machinist <ul style="list-style-type: none"> • Machinist and Toolmaker – NDSCS
26.0503	Medical Microbiology and Bacteriology <ul style="list-style-type: none"> • Microbiology – UND 	40.0501	Chemistry, General <ul style="list-style-type: none"> • Chemistry – DSU, JC, MaSU, MiSU, NDSU, UND, VCSU 	48.0508	Welding Technology/Welder <ul style="list-style-type: none"> • Welding – BSC • Welding & Basic Machining – LRSC • Welding Technology – NDSCS, WSC
26.0701	Zoology/Animal Biology <ul style="list-style-type: none"> • Zoology – NDSU 	40.0507	Polymer Chemistry <ul style="list-style-type: none"> • Coatings & Polymeric Materials – NDSU 	49.0101	Aeronautics/Aviation/Aerospace Science and Technology/Technician, General <ul style="list-style-type: none"> • Aeronautical Studies – UND (t) • Aviation – UND
26.0702	Entomology <ul style="list-style-type: none"> • Entomology – NDSU 	40.0601	Geology/Earth Science, General <ul style="list-style-type: none"> • Geology – MiSU, NDSU, UND 	49.0102	Airline/Commercial/Professional Pilot and Flight Crew Operations <ul style="list-style-type: none"> • Commercial Aviation – UND
26.0709	Wildlife Biology <ul style="list-style-type: none"> • Fisheries & Wildlife Biology – UND 	40.0801	Physics, General <ul style="list-style-type: none"> • Physics – MiSU, NDSU, UND 	49.0104	Aviation/Airway Management and Operations <ul style="list-style-type: none"> • Airport Management – UND • Aviation Management – UND • Aviation Technology Management – UND
26.0807	Genome Sciences/Genomics <ul style="list-style-type: none"> • Genomics and Bioinformatics – NDSU 	41.0301	Chemical Technology/Technician <ul style="list-style-type: none"> • Science Technology – NDSCS (t) 	49.0105	Air Traffic Controller <ul style="list-style-type: none"> • Air Traffic Control – UND
26.0910	Pathology/Experimental Pathology <ul style="list-style-type: none"> • Molecular Pathogenesis – NDSU 	41.9999	Science Technologies/Technicians, Other <ul style="list-style-type: none"> • Bio-fuels Technology – NDSCS • Biotechnology – NDSCS • Micromanufacturing Technology – NDSCS • Nanoscience Technology – NDSCS 	49.0108	Flight Instructor <ul style="list-style-type: none"> • Flight Education – UND
26.1001	Pharmacology <ul style="list-style-type: none"> • Pharmacology, Physiology and Therapeutics – UND 	43.0106	Forensic Science and Technology <ul style="list-style-type: none"> • Forensic Science – UND 		
26.1199	Biomathematics, Bioinformatics and Computational Biology, Other <ul style="list-style-type: none"> • Bioinformatics and Computational Biology – MiSU 	46.0303	Lineworker <ul style="list-style-type: none"> • Lineworker, Electrical – BSC 		
26.1201	Biotechnology <ul style="list-style-type: none"> • Biotechnology – NDSU 	47.0104	Computer Installation and Repair Technology/Technician <ul style="list-style-type: none"> • Simulator Maintenance Technician – LRSC 		
26.1305	Environmental Biology <ul style="list-style-type: none"> • Environmental & Conservation Sciences – NDSU 				
26.9999	Biological and Biomedical Sciences, Other <ul style="list-style-type: none"> • Science – FBCC • Tribal Environmental Science – UTTC 				

• Indicates programs known to exist in North Dakota. Students graduating from comparable programs in other states are eligible when students meet North Dakota residency and other requirements.

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<u>CIP</u>	<u>Program Areas</u>
49.0199	Air Transportation, Other (some qualify) <ul style="list-style-type: none"> • Space Studies – UND • Unmanned Aircraft Systems Operations – UND
51.0904	Emergency Medical Technology/ Technician (EMT Paramedic) <ul style="list-style-type: none"> • EMT Paramedic Technology – BSC • Paramedic (EMT) Technology – DCB, NDSUS
51.0907	Medical Radiologic Technology/Science - Radiation Therapist <ul style="list-style-type: none"> • Radiologic Technology – JC, MiSU
51.0908	Respiratory Care Therapy/Therapist <ul style="list-style-type: none"> • Respiratory Care – NDSU, UM
51.0909	Surgical Technology/Technologist <ul style="list-style-type: none"> • Surgical Technology – BSC
51.0911	Radiologic Technology/Science-Radiographer <ul style="list-style-type: none"> • Radiologic Sciences – NDSU • Radiologic Technology – UM
51.1002	Cytotechnology/Cytotechnologist <ul style="list-style-type: none"> • Cytotechnology – UND
51.1004	Clinical/Medical Laboratory Technician <ul style="list-style-type: none"> • Medical Laboratory Technician – BSC, RC
51.1005	Clinical Laboratory Science/Medical Technology/Technologist <ul style="list-style-type: none"> • Clinical Laboratory Science – MiSU, UM • Clinical Laboratory Science Management – UND • CLS Clinical Chemistry/Urinalysis – UND • CLS Hematology/Homeostasis – UND • CLS Immunohematology – UND • CLS Microbiology – UND • Medical Laboratory Science – MaSU, NDSU, UND • Medical Technology – JC
51.1099	Clinical/Medical Laboratory Science and Allied Professions, Other <ul style="list-style-type: none"> • Phlebotomy Technician – BSC
52.0209	Transportation Mobility Management <ul style="list-style-type: none"> • Supply Chain Management – BSC • Transportation & Logistics – NDSU • Transportation and Urban Systems – NDSU
52.1201	Management Information Systems, General <ul style="list-style-type: none"> • Information Systems – MiSU

<u>CIP</u>	<u>Program Areas</u>
52.1201	Management Information Systems, General <ul style="list-style-type: none"> • Information Technologies – LRSC • Information Technology Management – RC • Management Information Science – JC • Management Information Systems – MiSU, NDSU, UM
52.1299	Management Information Systems and Services, Other (some qualify) <ul style="list-style-type: none"> • Applied Business Information Technology – MiSU • Information Systems Management – RC • Knowledge Management – MiSU

CIP Program Areas

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North Dakota University System - Table 2. STEM Job Occupations and Codes

A degree from Table 1 is required for Table 2 occupations to qualify

(Derived from <http://online.onetcenter.org/crosswalk/>)

<u>SOC</u>	<u>Occupation</u>	<u>SOC</u>	<u>Occupation</u>	<u>SOC</u>	<u>Occupation</u>
11-3011	Administrative Services Managers	15-2041	Statisticians	19-1011	Animal Scientists
11-3021	Computer and Information Systems Managers	15-2091	Mathematical Technicians	19-1012	Food Scientists and Technologists
11-3051	Biofuels and Biomass Production Managers	15-2099	Mathematical Science Occupations, All Other	19-1013	Soil and Plant Scientists
11-3051	Geothermal Production Managers	17-1011	Architects, Except Landscape and Naval	19-1020	Biologists
11-3071	Transportation, Storage, and Distribution Managers	17-1012	Landscape Architects	19-1021	Biochemists and Biophysicists
11-9011	Nursery, Greenhouse, Crop and Livestock Managers	17-1021	Cartographers and Photogrammetrists	19-1022	Microbiologists
11-9012	Farmers and Ranchers	17-1022	Surveyors and Geodetic Surveyors	19-1023	Zoologists and Wildlife Biologists
11-9021	Construction Managers	17-2011	Aerospace Engineers	19-1029	Biological Scientists, All Other
11-9041	Biofuels/Biodiesel Technology and Product Development Managers	17-2021	Agricultural Engineers	19-1029	Geneticists and Biological Scientists, All Other
11-9041	Engineering Managers	17-2041	Chemical Engineers	19-1029	Molecular and Cellular Biologists
11-9121	Natural Sciences Managers	17-2051	Civil Engineers	19-1031	Soil and Water Conservationists, Park Naturalists and Range Managers
11-9199	Brownfield Redevelopment Specialists and Site Managers	17-2061	Computer Hardware Engineers	19-1032	Foresters
11-9199	Managers, All Other	17-2071	Electrical Engineers	19-1042	Medical Scientists, Except Epidemiologists
13-1051	Cost Estimators	17-2072	Electronics Engineers, Except Computer	19-1099	Life Scientists, All Other
13-1081	Logisticians and Logistics Engineers and Analysts	17-2072	Radio Frequency Identification Device Specialists	19-2012	Physicists
13-1199	Energy Auditors	17-2081	Environmental Engineers	19-2021	Atmospheric and Space Scientists
13-1199	Sustainability Specialists	17-2111	Industrial Safety and Health, Fire-Prevention and Protection, and Product Safety Engineers	19-2031	Chemists
15-1011	Computer and Information Scientists, Research	17-2112	Human Factors Engineers and Ergonomists	19-2041	Climate Change Analysts
15-1021	Computer Programmers	17-2112	Industrial Engineers	19-2041	Environmental Restoration Planners
15-1031	Computer Software Engineers, Applications	17-2131	Materials Engineers	19-2041	Environmental Scientists and Specialists, Including Health
15-1032	Computer Software Engineers, Systems Software	17-2141	Mechanical, Fuel Cell, and Automotive Engineers	19-2041	Industrial Ecologists
15-1051	Computer Systems Analysts	17-2171	Petroleum Engineers	19-2042	Geoscientists, Except Hydrologists and Geographers
15-1061	Database Administrators	17-2199	Biochemical Engineers	19-2043	Hydrologists
15-1071	Computer Security Specialists	17-2199	Engineers, All Other	19-2099	Remote Sensing Scientists and Technologists
15-1081	Network Systems and Data Communications Analysts	17-2199	Manufacturing Engineers	19-3022	Survey Researchers
15-1081	Telecommunications Specialists	17-2199	Mechatronics, Microsystems, Energy, and Robotics Engineers	19-3039	Psychologists, All Other
15-1099	Business Intelligence Analysts	17-2199	Mechatronics, Microsystems, Wind Energy, and Solar Energy Systems Engineers	19-3099	Social Scientists and Related Workers, All Other
15-1099	Computer Specialists, All Other	17-2199	Validation, Manufacturing, Microsystems and All Other Engineers	19-3099	Transportation Planners
15-1099	Computer Systems Engineers/Architects	17-3022	Civil Engineering Technicians	19-4011	Agricultural and Food Science Technicians
15-1099	Document Management Specialists	17-3023	Electrical and Electronics Engineering Technicians	19-4031	Chemical Technicians
15-1099	Electronic Commerce Specialists	17-3024	Electro-Mechanical Technicians	19-4041	Geological Sample Test Technicians
15-1099	Geographic Information Systems Technicians	17-3025	Environmental Engineering Technicians	19-4041	Geophysical Data Technicians
15-1099	Geospatial Information Scientists and Technologists	17-3026	Industrial Engineering Technicians	19-4051	Nuclear Equipment Operation and Monitoring Technicians
15-1099	Information Technology Project Managers	17-3029	Electrical and Electronics Engineering Technologists	19-4091	Environmental Science and Protection Technicians, Including H
15-1099	Network Designers	17-3029	Engineering Technicians, Except Drafters, All Other	19-4092	Forensic Science Technicians
15-1099	Software Quality Assurance Engineers and Testers	17-3029	Fuel Cell Technicians	19-4093	Forest and Conservation Technicians
15-1099	Web Developers	17-3029	Industrial Engineering Technologists	19-4099	Life, Physical, and Social Science Technicians, All Other
15-1099	Web Developers and Administrators	17-3029	Manufacturing Engineering and Production Technologists & Technicians	19-4099	Quality Control Analysts
15-1152	Computer Network Support Specialists	17-3029	Nanotechnology Engineering Technologists and Technicians	19-4099	Remote Sensing Technicians
15-2011	Actuary	17-3031	Surveying and Mapping Technicians	25-1021	Computer Science Teachers, Postsecondary
15-2021	Mathematicians			25-1022	Mathematical Science Teachers, Postsecondary

<u>SOC</u>	<u>Occupation</u>	<u>SOC</u>	<u>Occupation</u>	<u>SOC</u>	<u>Occupation</u>
25-1031	Architecture Teachers, Postsecondary	47-4099	Solar Photovoltaic Installers	51-4081	Multiple Machine Tool Setters, Operators & Tenders, Metal & Pl
25-1032	Engineering Teachers, Postsecondary	47-4099	Solar Thermal and Weatherization Installers and Technicians	51-4121	Welders, Cutters, Welder Fitters, Solderers, and Brazers
25-1041	Agricultural Sciences Teachers, Postsecondary	49-1011	First-line Supervisors/Managers of Mechanics, Installers & Repairers	51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders
25-1042	Biological Science Teachers, Postsecondary	49-2011	Computer, Automated Teller, and Office Machine Repairers	51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic
25-1043	Forestry and Conservation Science Teachers, Postsecondary	49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	51-4192	Lay-Out Workers, Metal and Plastic
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	51-4199	Metal Workers and Plastic Workers, All Others
25-1052	Chemistry Teachers, Postsecondary	49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	51-6062	Textile Cutting Machine Setters, Operators, and Tenders
25-1053	Environmental Science Teachers, Postsecondary	49-3011	Aircraft Mechanics and Service Technicians	51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders
25-1054	Physics Teachers, Postsecondary	49-3023	Automotive Service Technicians and Mechanics	51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders
25-1071	Health Specialties Teachers, Postsecondary	49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	51-8031	Water and Liquid Waste Treatment Plant and System Operators
25-1081	Education Teachers, Postsecondary	49-3041	Farm Equipment Mechanics	51-8099	Hydroelectric Plant Technicians
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	49-3042	Mobile Heavy Equipment Mechanics, Except Engines	51-9023	Mixing and Blending Machine Setters, Operators, and Tenders
25-1194	Vocational Education Teachers, Postsecondary	49-3051	Motorboat Mechanics	53-1011	Aircraft Cargo Handling Supervisors
25-2022	Middle School Teachers, Except Special and Vocational Education	49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	53-2011	Airline Pilots, Copilots, and Flight Engineers
25-2023	Vocational Education Teachers, Middle School	49-3092	Recreational Vehicle Service Technicians	53-2012	Commercial Pilots
25-2031	Secondary School Teachers, Except Special and Vocational Education	49-9011	Mechanical Door Repairers	53-2021	Air Traffic Controllers
25-2032	Vocational Education Teachers, Secondary School	49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	53-2022	Airfield Operations Specialists
25-9011	Audio-Visual Collections Specialists	49-9041	Industrial Machinery Mechanics	53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians
25-9031	Instructional Coordinators	49-9043	Maintenance Workers, Machinery		
25-9031	Instructional Designers and Technologists	49-9044	Millwrights		
27-1014	Multi-Media Artists and Animators	49-9045	Refractory Materials Repairers, Except Brickmasons		
27-1024	Graphic Designers	49-9051	Electrical Power-Line Installers and Repairers		
29-1124	Radiation Therapists	49-9069	Precision Instrument and Equipment Repairers, All Other		
29-1126	Respiratory Therapists	49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers		
29-2011	Medical and Clinical Laboratory Technologists	49-9098	Helpers--Installation, Maintenance, and Repair Workers		
29-2012	Medical and Clinical Laboratory Technicians	51-2023	Electromechanical Equipment Assemblers		
29-2032	Diagnostic Medical Sonographers	51-2031	Engine and Other Machine Assemblers		
29-2034	Radiologic Technologists and Technicians	51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders		
29-2041	Emergency Medical Technicians and Paramedics	51-3092	Food Batchmakers		
29-2054	Respiratory Therapy Technicians	51-3093	Food Cooking Machine Operators and Tenders		
29-2055	Surgical Technologists	51-4012	Numerical Tool and Process Control Programmers		
29-9011	Occupational Health and Safety Specialists	51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic		
33-3031	Fish and Game Wardens	51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic		
43-9011	Computer Operators	51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic		
45-1011	First-Line Supervisors/Managers of Agricultural Crop and Horticultural Workers	51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic		
45-1011	First-Line Supervisors/Managers of Animal Husbandry and Animal Care Workers	51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic		
45-2011	Agricultural Inspectors	51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic		
45-4011	Forest and Conservation Workers	51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic		
47-1011	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic		
47-1011	Solar Energy Installation Managers	51-4041	Machinists		
47-4011	Construction and Building Inspectors				
47-4021	Elevator Installers and Repairers				