


FOR OFFICE USE ONLY:

Cohort # _____
 Approved ____ Not Approved ____
 Date of Action _____
 Reviewed By _____

**Application for STEM Occupations
 Student Loan Forgiveness Program**
Application year: May 1, 2013 - June 30, 2013

General Information

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

Education and Occupation

Did you graduate from a campus STEM related major as defined in Table 1? <input type="checkbox"/> Yes <input type="checkbox"/> No • If yes, the program CIP code for that major is: ____ - ____ - ____ - ____
List Standard Occupational Classification (SOC) number (Reference Table 2): ____ - ____ - ____ - ____ A degree from Table 1 is required for Table 2 occupations to qualify.
Did you have a cumulative grade point average of at least 2.5 on a 4.0 scale when you received your degree? <input type="checkbox"/> Yes <input type="checkbox"/> No (Attach final college transcript if not previously submitted. An unofficial transcript is acceptable.)

Loan Information

I wish to have the following loan reduced under this program (check one only):		
<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)	
<i>If approved</i> , 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) (SSN)
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
(date hired) (date of termination or current date if still employed)
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 return the complete application and a final college transcript if it has not been previously submitted to:

STEM Occupations Loan Forgiveness
North Dakota University System
1815 Schafer St. Ste. 202
Bismarck ND 58501-1217
Or fax to: 701-224-5707

Questions can be directed to NDFinAid@ndus.edu or 701.224.2647.

North Dakota University System - Table 1 STEM Degree Codes

List of Active Programs 2012

2/12/2013

2010 Classification of Instructional Programs (CIP)

<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 <ul style="list-style-type: none"> • Agricultural Systems Management – NDSU 	03.0601	Wildlife, Fish and Wildlands Science and Management <ul style="list-style-type: none"> • Fisheries and Wildlife Sciences – VCSU • Wildlife and Fisheries Technology – DCB 	11.0701	Computer Science <ul style="list-style-type: none"> • Scientific Computing – UND
01.0205	Agricultural Mechanics and Equipment/Machine Technology <ul style="list-style-type: none"> • John Deere Technology – NDSCS 	04.0201	Architecture <ul style="list-style-type: none"> • Architecture – NDSU 	11.0801	Web Page, Digital/Multimedia and Information Resources Design <ul style="list-style-type: none"> • Multimedia Technologies – RC • Web Development – MiSU • Web Page Development and Design – BSC
01.0401	Agricultural and Food Products Processing <ul style="list-style-type: none"> • Cereal Science – NDSU 	04.0401	Environmental Design/Architecture <ul style="list-style-type: none"> • Environmental Design – NDSU 	11.0901	Computer Systems Networking and Telecommunications <ul style="list-style-type: none"> • Computer Applications – CCCC • Computer Support Specialist – BSC • Information Technology – DCB • Microsoft Certified Network Administrator – FBCC
01.0901	Animal Sciences, General <ul style="list-style-type: none"> • Animal Sciences – NDSU 	04.0601	Landscape Architecture <ul style="list-style-type: none"> • Landscape Architecture – NDSU 	11.1002	System, Networking, and LAN/WAN Management/Manager <ul style="list-style-type: none"> • Information Technology – WSC
01.1001	Food Science <ul style="list-style-type: none"> • Food Science – NDSU 	11.0101	Computer and Information Sciences, General <ul style="list-style-type: none"> • Computer Information Specialist – FBCC • Computer Information Systems – MaSU, NDSCS, UM, VCSU • Computer Science – DSU, JC, MiSU, UND 	11.1004	Web/Multimedia Management and Webmaster <ul style="list-style-type: none"> • Information Technology - Web Master – DCB
01.1102	Agronomy and Crop Science <ul style="list-style-type: none"> • Plant Sciences – NDSU 	11.0103	Information Technology <ul style="list-style-type: none"> • Computer Information Technology – UTTC • Enterprise Application – VCSU • Information Technology – JC, SBC 	11.9999	Computer and Information Sciences and Support Services, Other <ul style="list-style-type: none"> • Computer Information System (BAS) – MaSU • Computer Tech Support Specialist – TMCC • Information Technology - Web Design – DCB
01.1103	Horticultural Science <ul style="list-style-type: none"> • Horticulture – NDSU 	11.0201	Computer Programming/Programmer, General <ul style="list-style-type: none"> • Computer Science Basic Programming – MiSU • Software Systems Design – RC 	13.0501	Educational/Instructional Media Design <ul style="list-style-type: none"> • Instructional Design & Technology – UND
01.1105	Plant Protection and Integrated Pest Management <ul style="list-style-type: none"> • Plant Protection – NDSU (t) 	11.0301	Data Processing and Data Processing Technology/Technician <ul style="list-style-type: none"> • Computer Technology Management – DSU • Information Processing – WSC • Information Technology – MaSU 	13.1309	Technology Teacher Education/ Industrial Arts Teacher Education <ul style="list-style-type: none"> • Education – VCSU • Technology Education – DSU, VCSU
01.1201	Soil Science and Agronomy, General <ul style="list-style-type: none"> • Soil Science – NDSU 	11.0401	Information Science/Studies <ul style="list-style-type: none"> • Information Technology – UM • Virtual Business – MiSU 	13.1311	Mathematics Teacher Education <ul style="list-style-type: none"> • Elementary Education/Mathematics – UND • Mathematics Education – DSU, JC, MaSU, MiSU, NDSU, VCSU, UM
03.0101	Natural Resources/Conservation, General <ul style="list-style-type: none"> • Environmental Technology-Natural Resource Management – DCB • Natural Resource Management – SBC 	11.0501	Computer Systems Analysis/Analyst <ul style="list-style-type: none"> • Information Systems – UND 	13.1316	Science Teacher Education/General Science Teacher Education <ul style="list-style-type: none"> • Composite Science Education – VCSU (t)
03.0103	Environmental Studies <ul style="list-style-type: none"> • Earth System Science and Policy – UND • Environmental Science – SBC • Environmental Studies – UND • Studies in Community and Environment – MiSU 	11.0701	Computer Science <ul style="list-style-type: none"> • Computer Science – NDSU 		
03.0104	Environmental Science <ul style="list-style-type: none"> • Environmental Science – DSU, FBCC 				
03.0201	Natural Resources Management and Policy <ul style="list-style-type: none"> • Natural Resources Management – CCCC, NDSU 				
03.0508	Urban Forestry <ul style="list-style-type: none"> • Urban Forestry Management – DCB 				

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(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

<u>CIP</u>	<u>Program Areas</u>	<u>CIP</u>	<u>Program Areas</u>	<u>CIP</u>	<u>Program Areas</u>
13.1316	Science Teacher Education/General Science Teacher Education <ul style="list-style-type: none"> • 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 	14.1401	Environmental/Environmental Health Engineering <ul style="list-style-type: none"> • Environmental Engineering – NDSU • Environmental Geoscience – UND • Interdisciplinary Environmental Engineering (Post Bach. Cert.) – UND 	15.0399	Electrical and Electronic Engineering Technologies/Technicians <ul style="list-style-type: none"> • Electrical Technology – NDSCS • Electronic Technology – NDSCS (t) • Wind Energy Technician – LRSC
13.1319	Technical Teacher Education <ul style="list-style-type: none"> • Career and Technical Education – UND (t), VCSU 	14.1801	Materials Engineering <ul style="list-style-type: none"> • Materials & Nanotechnology – NDSU 	15.0499	Electromechanical & Instrumentation and Maintenance Technologies/ Technicians, Other
13.1322	Biology Teacher Education <ul style="list-style-type: none"> • Biological Sciences Education – NDSU • Biology Education – DSU, MiSU, UM • Biology Teacher Education – JC • Composite Biology Education – MaSU, VCSU 	14.1901	Mechanical Engineering <ul style="list-style-type: none"> • Mechanical Engineering – NDSU, UND 	15.0501	Heating, Ventilation, Air Conditioning and Refrigeration Engineering Technology/Technician (ACH/ACR/ACHR/HRAC/HVAC/AC Technology <ul style="list-style-type: none"> • Heating, Ventilating, Air Conditioning & Refrigeration Technology – NDSCS
13.1323	Chemistry Teacher Education <ul style="list-style-type: none"> • Chemistry Education – DSU, JC, MiSU, NDSU • Composite Chemistry Education – MaSU, VCSU 	14.2501	Petroleum Engineering <ul style="list-style-type: none"> • Petroleum Engineering – UND 	15.0503	Energy Management and Systems Technology/Technician <ul style="list-style-type: none"> • Energy Auditor Program – UTTC • Energy Technician – SBC
13.1329	Physics Teacher Education <ul style="list-style-type: none"> • Composite Physical Science – MaSU (t) • Physics Education – MiSU, NDSU 	14.3301	Construction Engineering <ul style="list-style-type: none"> • Construction Engineering – NDSU 	15.0506	Water Quality and Wastewater Treatment Management and Recycling Technology/Technician <ul style="list-style-type: none"> • Environmental Technology - Water Management – DCB • Water and Wastewater Technology – BSC • Water Quality Technology – DCB (t)
14.0101	Engineering, General <ul style="list-style-type: none"> • Engineering – NDSU, UND • Engineering Science – UM 	14.3501	Industrial Engineering <ul style="list-style-type: none"> • Industrial & Manufacturing Engr – NDSU • Industrial Engineering & Management – NDSU 	15.0507	Environmental Engineering Technology/Environmental Technology <ul style="list-style-type: none"> • Environmental Technology-Laboratory & Field Technician – DCB
14.0301	Agricultural Engineering <ul style="list-style-type: none"> • Agricultural & Biosystems Engineering – NDSU 	14.3601	Manufacturing Engineering <ul style="list-style-type: none"> • Manufacturing Engineering – NDSU 	15.0599	Environmental Control Technologies/Technicians, Other <ul style="list-style-type: none"> • Renewable Generation Technology – BSC
14.0701	Chemical Engineering <ul style="list-style-type: none"> • Chemical Engineering – UND 	14.3801	Surveying Engineering <ul style="list-style-type: none"> • Environmental Technology-Geographic Information Systems – DCB 	15.0612	Industrial Technology/Technician <ul style="list-style-type: none"> • Industrial Technology – UND • Process Plant Technology – BSC, TMCC
14.0801	Civil Engineering, General <ul style="list-style-type: none"> • Civil Engineering – NDSU, UND 	14.3901	Geological/Geophysical Engineering <ul style="list-style-type: none"> • Geological Engineering – UND 	15.0613	Manufacturing Engineering Technology/Technician <ul style="list-style-type: none"> • Mechatronics Technology – NDSCS
14.0901	Computer Engineering, General <ul style="list-style-type: none"> • Computer Engineering – NDSU 	14.9999	Engineering, Other <ul style="list-style-type: none"> • Sustainable Energy Engineering – UND 	15.0699	Industrial Production Technologies/ Technicians, Other <ul style="list-style-type: none"> • Power Plant Technology – BSC
14.0903	Computer Software Engineering <ul style="list-style-type: none"> • Software Engr – NDSU 	15.0000	Engineering Technology <ul style="list-style-type: none"> • Engineering Technology – BSC 	15.0701	Occupational Safety and Health Technology/Technician <ul style="list-style-type: none"> • Occupational Safety & Environmental Health – UNL
14.1001	Electrical and Electronics Engineering <ul style="list-style-type: none"> • Electrical & Comp Engr – NDSU • Electrical Engineering – NDSU, UND 	15.0101	Architectural Engineering Technology/Technician <ul style="list-style-type: none"> • Architectural Drafting & Estimating Technology – NDSCS 	15.0903	Petroleum Technology/Technician <ul style="list-style-type: none"> • Petroleum Engineering Technology – BSC
		15.0201	Civil Engineering Technology/Technician <ul style="list-style-type: none"> • Civil Engineering & Surveying Technology – NDSCS 		
		15.0303	Electrical, Electronic and Communications Engineering Technology/Technician <ul style="list-style-type: none"> • Electric Power Technology – BSC • Electrical Transmission Systems Technology – BSC • Electronics Technology – BSC • Electronics/Telecommunications Technology – BSC 		

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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>
15.0903	Petroleum Technology/Technician <ul style="list-style-type: none"> • Petroleum Production Technology – BSC, WSC 	26.0702	Entomology <ul style="list-style-type: none"> • Entomology – NDSU 	40.0501	Chemistry, General <ul style="list-style-type: none"> • Chemistry – DSU, JC, MaSU, MiSU, NDSU, UND, VCSU
15.1001	Construction Engineering Technology/Technician <ul style="list-style-type: none"> • Construction Mgmt Tech – NDSCS 	26.0709	Wildlife Biology <ul style="list-style-type: none"> • Fisheries & Wildlife Biology – UND 	40.0507	Polymer Chemistry <ul style="list-style-type: none"> • Coatings & Polymeric Materials – NDSU
15.1102	Surveying Technology/Surveying <ul style="list-style-type: none"> • Geographic Information System Technician – BSC 	26.0807	Genome Sciences/Genomics <ul style="list-style-type: none"> • Genomics and Bioinformatics – NDSU 	40.0601	Geology/Earth Science, General <ul style="list-style-type: none"> • Geology – MiSU, NDSU, UND
15.1401	Nuclear Engineering Technology/Technician <ul style="list-style-type: none"> • Nuclear Power Technology – BSC 	26.0910	Pathology/Experimental Pathology <ul style="list-style-type: none"> • Molecular Pathogenesis – NDSU 	40.0801	Physics, General <ul style="list-style-type: none"> • Physics – MiSU, NDSU, UND
15.1601	Nanotechnology <ul style="list-style-type: none"> • Nanoscience Technology – NDSCS 	26.1001	Pharmacology <ul style="list-style-type: none"> • Pharmacology, Physiology and Therapeutics – UND 	41.0301	Chemical Technology/Technician <ul style="list-style-type: none"> • Science Technology – NDSCS (t)
15.9999	Engineering Technologies and Engineering Related Fields, Other <ul style="list-style-type: none"> • Energy Technology – FBCC 	26.1199	Biomathematics, Bioinformatics and Computational Biology, Other <ul style="list-style-type: none"> • Bioinformatics and Computational Biology – MiSU 	41.9999	Science Technologies/Technicians, Other <ul style="list-style-type: none"> • Bio-fuels Technology – NDSCS • Biotechnology – NDSCS • Micromanufacturing Technology – NDSCS • Nanoscience Technology – NDSCS
26.0101	Biology/Biological Sciences, General <ul style="list-style-type: none"> • Biological Sciences – NDSU • Biology – DSU, JC, MaSU, MiSU, NDSU, UM, VCSU • Biology/Pre-Health – UND 	26.1201	Biotechnology <ul style="list-style-type: none"> • Biotechnology – NDSU 	43.0106	Forensic Science and Technology <ul style="list-style-type: none"> • Forensic Science – UND
26.0202	Biochemistry <ul style="list-style-type: none"> • Biochemistry – JC, NDSU, UND 	26.1305	Environmental Biology <ul style="list-style-type: none"> • Environmental & Conservation Sciences – NDSU 	46.0303	Lineworker <ul style="list-style-type: none"> • Lineworker, Electrical – BSC
26.0204	Molecular Biology <ul style="list-style-type: none"> • Molecular and Integrative Biology – UND 	26.9999	Biological and Biomedical Sciences, Other <ul style="list-style-type: none"> • Science – FBCC • Tribal Environmental Science – UTTC 	47.0104	Computer Installation and Repair Technology/Technician <ul style="list-style-type: none"> • Simulator Maintenance Technician – LRSC
26.0210	Biochemistry and Molecular Biology <ul style="list-style-type: none"> • Biochemistry & Molecular Biology – NDSU 	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
26.0301	Botany/Plant Biology <ul style="list-style-type: none"> • Botany – 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
26.0305	Plant Pathology/Phytopathology <ul style="list-style-type: none"> • Plant Pathology – 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, NDSCS, WSC
26.0403	Anatomy <ul style="list-style-type: none"> • Anatomy – UND 	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
26.0406	Cell/Cellular and Molecular Biology <ul style="list-style-type: none"> • Cellular & Molecular Biology – NDSU 	30.1101	Multi/Interdisciplinary Studies <ul style="list-style-type: none"> • Gerontology – NDSU 		
26.0502	Microbiology, General <ul style="list-style-type: none"> • Microbiology – NDSU 	40.0101	Physical Sciences <ul style="list-style-type: none"> • Physical Science – MiSU, UND • Physical Science Education – MaSU 		
26.0503	Medical Microbiology and Bacteriology <ul style="list-style-type: none"> • Microbiology – UND 	40.0401	Atmospheric Sciences and Meteorology, General <ul style="list-style-type: none"> • Atmospheric Sciences – UND • Atmospheric Studies – UND 		
26.0701	Zoology/Animal Biology <ul style="list-style-type: none"> • Zoology – NDSU 				

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47.0606	Small Engine Mechanics and Repair Technology/Technician <ul style="list-style-type: none"> • Powersports Technology – NDSCS 	51.0909	Surgical Technology/Technologist <ul style="list-style-type: none"> • Surgical Technology – BSC 	52.1299	Management Information Systems and Services, Other (some qualify) <ul style="list-style-type: none"> • Applied Business Information Technology – MiSU
47.0699	Vehicle Maintenance and Repair Technologies, Other (some qualify) <ul style="list-style-type: none"> • Automotive & Diesel Master Technician – NDSCS 	51.0910	Diagnostic Medical Sonography/Sonographer and Ultrasound Technician		<ul style="list-style-type: none"> • Information Systems Management – RC
48.0501	Machine Tool Technology/Machinist <ul style="list-style-type: none"> • Machinist and Toolmaker – NDSCS 	51.0911	Radiologic Technology/Science-Radiographer <ul style="list-style-type: none"> • Radiologic Sciences – NDSU • Radiologic Technology – UM 		<ul style="list-style-type: none"> • Knowledge Management – MiSU
48.0508	Welding Technology/Welder <ul style="list-style-type: none"> • Welding – BSC • Welding & Basic Machining – LRSC • Welding Technology – NDSCS, WSC 	51.1002	Cytotechnology/Cytotechnologist <ul style="list-style-type: none"> • Cytotechnology – UND 		
49.0101	Aeronautics/Aviation/Aerospace Science and Technology, General <ul style="list-style-type: none"> • Aeronautical Studies – UND (t) • Aerospace Sciences – UND • Aviation – UND 	51.1004	Clinical/Medical Laboratory Technician <ul style="list-style-type: none"> • Medical Laboratory Technician – BSC, RC 		
49.0102	Airline/Commercial/Professional Pilot and Flight Crew <ul style="list-style-type: none"> • Commercial Aviation – UND 	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 		
49.0104	Aviation/Airway Management and Operations <ul style="list-style-type: none"> • Airport Management – UND • Aviation Management – UND • Aviation Technology Management – UND 		<ul style="list-style-type: none"> • Medical Laboratory Science – MaSU, NDSU, UND, VCSU • Medical Technology – JC 		
49.0105	Air Traffic Controller <ul style="list-style-type: none"> • Air Traffic Control – UND 	51.1099	Clinical/Medical Laboratory Science and Allied Professions, Other <ul style="list-style-type: none"> • Phlebotomy Technician – BSC 		
49.0108	Flight Instructor <ul style="list-style-type: none"> • Flight Education – UND 	51.2511	Veterinary Infectious Diseases <ul style="list-style-type: none"> • International Infectious Disease Management and Biosecurity – NDSU 		
49.0199	Air Transportation, Other (some qualify) <ul style="list-style-type: none"> • Space Studies – UND • Unmanned Aircraft Systems Operations – UND 	52.0209	Transportation Mobility Management <ul style="list-style-type: none"> • Supply Chain Management – BSC • Transportation & Logistics – NDSU • Transportation and Urban Systems – NDSU 		
51.0904	Emergency Medical Technology/ Technician (EMT Paramedic) <ul style="list-style-type: none"> • EMT Paramedic Technology – BSC • Paramedic (EMT) Technology – DCB, NDSCS 	52.1201	Management Information Systems, General <ul style="list-style-type: none"> • Information Systems – MiSU • Information Technologies – LRSC • Information Technology Management – RC • Management Information Science – JC • Management Information Systems – MiSU, NDSU, UM 		
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 				

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North Dakota University System - Table 2. STEM Occupation Codes

2/12/2013

Source: <http://nces.ed.gov/ipeds/cipcode/resources.aspx?y=55>

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

<u>SOC</u>	<u>Occupation</u>	<u>SOC</u>	<u>Occupation</u>	<u>SOC</u>	<u>Occupation</u>
11-3021	Computer and Information Systems Managers	17-2141	Mechanical Engineers	25-1042	Biological Science Teachers, Postsecondary
11-3051	Industrial Production Managers	17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	25-1043	Forestry and Conservation Science Teachers, Postsecondary
11-3071	Transportation, Storage, and Distribution Managers	17-2171	Petroleum Engineers	25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary
11-9013	Farmers, Ranchers, and Other Agricultural Managers	17-2199	Engineers, All Other	25-1052	Chemistry Teachers, Postsecondary
11-9021	Construction Managers	17-3022	Civil Engineering Technicians	25-1053	Environmental Science Teachers, Postsecondary
11-9041	Architectural and Engineering Managers	17-3023	Electrical and Electronics Engineering Technicians	25-1054	Physics Teachers, Postsecondary
11-9121	Natural Sciences Managers	17-3024	Electro-Mechanical Technicians	25-1071	Health Specialties Teachers, Postsecondary
13-1051	Cost Estimators	17-3025	Environmental Engineering Technicians	25-1081	Education Teachers, Postsecondary
15-1111	Computer and Information Scientists, Research	17-3026	Industrial Engineering Technicians	25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary
15-1121	Computer Systems Analysts	17-3029	Engineering Technicians, Except Drafters, All Other	25-1194	Vocational Education Teachers, Postsecondary
15-1122	Information Security Analysts	17-3031	Surveying and Mapping Technicians	25-2022	Middle School Teachers, Except Special and Vocational Education
15-1131	Computer Programmers	19-1011	Animal Scientists	25-2023	Career/Technical Education Teachers, Middle School
15-1132	Software Developers, Applications	19-1012	Food Scientists and Technologists	25-2031	Secondary School Teachers, Except Special and Vocational Education
15-1133	Software Developers, Systems Software	19-1013	Soil and Plant Scientists	25-2032	Career/Technical Education Teachers, Secondary School
15-1134	Web Developers	19-1021	Biochemists and Biophysicists	25-9011	Audio-Visual and Multimedia Collections Specialists
15-1141	Database Administrators	19-1022	Microbiologists	25-9031	Instructional Coordinators
15-1142	Network and Computer Systems Administrators	19-1023	Zoologists and Wildlife Biologists	27-1014	Multimedia Artists and Animators
15-1143	Computer Network Architects	19-1029	Biological Scientists, All Other	27-1021	Commercial and Industrial Designers
15-1152	Computer Network Support Specialists	19-1031	Conservation Scientists	27-1024	Graphic Designers
15-1199	Computer Occupations, All Other	19-1032	Foresters	29-1124	Radiation Therapists
15-2011	Actuaries	19-1042	Medical Scientists, Except Epidemiologists	29-1126	Respiratory Therapists
15-2021	Mathematicians	19-1099	Life Scientists, All Other	29-1131	Veterinarians
15-2041	Statisticians	19-2012	Physicists	29-2011	Medical and Clinical Laboratory Technologists
15-2091	Mathematical Technicians	19-2021	Atmospheric and Space Scientists	29-2012	Medical and Clinical Laboratory Technicians
15-2099	Mathematical Science Occupations, All Other	19-2031	Chemists	29-2034	Radiologic Technologists
17-1011	Architects, Except Landscape and Naval	19-2041	Environmental Scientists and Specialists, Including Health	29-2041	Emergency Medical Technicians and Paramedics
17-1012	Landscape Architects	19-2042	Geoscientists, Except Hydrologists and Geographers	29-2054	Respiratory Therapy Technicians
17-1021	Cartographers and Photogrammetrists	19-2043	Hydrologists	29-2055	Surgical Technologists
17-1022	Surveyors and Geodetic Surveyors	19-3022	Survey Researchers	29-9011	Occupational Health and Safety Specialists
17-2011	Aerospace Engineers	19-3099	Social Scientists and Related Workers, All Other	33-3031	Fish and Game Wardens
17-2021	Agricultural Engineers	19-4031	Chemical Technicians	43-9011	Computer Operators
17-2041	Chemical Engineers	19-4041	Geological and Petroleum Technicians	45-1011	First-Line Supervisorsof Farming, Fishing, and Forestry Workers
17-2051	Civil Engineers	19-4051	Nuclear Technicians	45-2011	Agricultural Inspectors
17-2061	Computer Hardware Engineers	19-4091	Environmental Science and Protection Technicians, Including Health	47-4021	Elevator Installers and Repairers
17-2071	Electrical Engineers	19-4092	Forensic Science Technicians	49-1011	First-line Supervisors/Managers of Mechanics, Installers & Repair
17-2072	Electronics Engineers, Except Computer	19-4099	Life, Physical, and Social Science Technicians, All Other	49-2011	Computer, Automated Teller, and Office Machine Repairers
17-2081	Environmental Engineers	25-1021	Computer Science Teachers, Postsecondary	49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment
17-2111	Health & Safety Engineers, Except Mining Safety Engineers & Inspectors	25-1022	Mathematical Science Teachers, Postsecondary	49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment
17-2112	Industrial Engineers	25-1031	Architecture Teachers, Postsecondary	49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles
17-2131	Materials Engineers	25-1032	Engineering Teachers, Postsecondary		
		25-1041	Agricultural Sciences Teachers, Postsecondary		

<u>SOC</u>	<u>Occupation</u>
49-3011	Aircraft Mechanics and Service Technicians
49-3023	Automotive Service Technicians and Mechanics
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists
49-3041	Farm Equipment Mechanics and Service Technicians
49-3042	Mobile Heavy Equipment Mechanics, Except Engines
49-3051	Motorboat Mechanics and Service Technicians
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers
49-9041	Industrial Machinery Mechanics
49-9043	Maintenance Workers, Machinery
49-9044	Millwrights
49-9045	Refractory Materials Repairers, Except Brickmasons
49-9051	Electrical Power-Line Installers and Repairers
49-9069	Precision Instrument and Equipment Repairers, All Other
49-9081	Wind Turbine Service Technicians
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic
51-4041	Machinists
51-4081	Multiple Machine Tool Setters, Operators & Tenders, Metal & Plastic
51-4121	Welders, Cutters, Welder Fitters, Solderers, and Brazers
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic
51-4192	Lay-Out Workers, Metal and Plastic
51-4199	Metal Workers and Plastic Workers, All Others
51-8031	Water and Wastewater Treatment Plant and System Operators
51-8091	Chemical Plant and System Operators
51-9011	Chemical Equipment Operators and Tenders
53-2011	Airline Pilots, Copilots, and Flight Engineers
53-2012	Commercial Pilots
53-2021	Air Traffic Controllers
53-2022	Airfield Operations Specialists

SOC Occupation

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