



LOAN REPAYMENT PROGRAM

2020 High Need and Emerging Occupations & Qualifying Programs List

The 2020 High-Need and Emerging Occupations List was compiled by ND Workforce Development Council and Job Service ND. The 2020 list will be used for eligibility determination for loan repayment from 7/1/2020 – 6/30/2022. Qualifying programs may be any degree from a ND college or university that relate to the high-need and emerging occupations. ND Career Builders is a public-private partnership and therefore, for each \$1 of state dollars awarded to a recipient, at least \$1 of private dollars must exist. Individuals interested in the loan repayment should review the program details at <https://ndus.edu/career-builders/>.

- Applicants must hold a qualifying certificate or degree from a ND institution (see Section 2).
- Applicants must be working in a qualifying occupation (see Section 1).
- Applicants must be hired into their current position as of 2019 or later.
- Employment and residence must be within North Dakota for consideration.
- Applicants must hold a balance on a qualifying, non-defaulted student loan.
- Applicants must have matching “private sector” dollars to be considered. The private-sector matching funds may be from an employer or other business entity.
- **What steps should you take?**
 - Step 1: Check to see if applicant’s position is identified in **SECTION 1** (2020 High-Need and Emerging Occupations List.)
 - Step 2: Check to see if applicant holds a qualifying certificate or degree from **SECTION 2** (Qualifying Programs of Study).
 - Step 3: Employers, employees and/or potential new hires should discuss options for the private-sector matching dollars.
 - Step 4: Complete the ND Career Builders Loan Repayment Application located at <https://ndus.edu/career-builders/>

SECTION 1 - 2020 High-Need and Emerging Occupations List

(“*” occupations that will be valid for ND Career Builder consideration only through 6/30/2021; “^” occupations added in 2020)

Accountant & Auditor	Dental Hygienist	Licensed Practical Nurse	*Power Plant Operator
Actuaries	Diagnostic Medical Sonographer	Maintenance & Repair Worker	Preschool Teachers, Except Special Education
*Air Traffic Controller	Electrical Engineers	Management Analyst	Radiologic Technologist
Aircraft Mechanics and Service Technicians	^Electrical and Electronic Engineering Technician	Market Research Analyst & Marketing Specialist	Registered Nurse
Bus & Truck Mechanic	Electrical Powerline Installer & Repairer	Marketing Manager	^Sales Agent, Securities, Commodities & Financial
*Cardiovascular Technologist & Technician	Electrician	Mechanical Engineer	^Sales Engineer
Carpenter	Elementary & Middle School Teacher	Medical & Clinical Lab Technologist/Technician	Sales Representative, Technical & Scientific
Child, Family, & School Social Worker	Environmental Scientist & Specialist	Medical & Health Services Manager	Secondary School Teacher
Childcare Workers	Farm Equipment Mechanic & Service Technician	Mining & Geological Engineer	Social & Community Services Manager
Clinical Data Managers	Financial Analyst	Mobile Heavy Equipment Mechanic	Software Developer (Applications)
Commercial Pilots	Financial Manager	MRI Technologist	Software Developer (Systems)
^Compensation and Benefits Manager	Firefighter	Nurse Assistant	Software Quality Assurance Engineers and Testers
Computer & Information Systems Manager	Gas Plant Operator	*Occupational Therapy Assistant	^Soil & Plant Scientist
Computer Network Support Specialist	General & Operations Manager	Operations Research Analyst	^Special Education Teacher (K-12)
Computer Programmers	*Health Technologist & Technician	Personal Financial Advisors	Substance Abuse & Behavioral Disorder Counselor
Computer System Analyst	Heating, Ventilation, Air Conditioning Technician	Petroleum Engineer	*Surgical Technologist
Computer User Support Specialist	Heavy & Tractor Trailer Truck Driver	Petroleum Pump System Operator/Refinery Operator/Gaugers	^Training and Development Specialist
Construction Building Inspectors	^Human Resources Specialist	Physical Therapist Assistant	Transportation Engineers
Construction Manager	Industrial Machinery Mechanic	Plumber, Pipefitter, & Steamfitter	*Web Developer
*Crane and Tower Operators	Information Security Analyst	Police Patrol Officers	Welder
Database Administrators	^Intelligence Analysts	*Power Distributor & Dispatcher	Wind Turbine Technician

SECTION 2 - 2020 Qualifying Programs of Study – Qualifying programs may be certificate or degree. Must be earned from a ND institution. List may not be all-inclusive.

Accountancy	Business Management	Data Analytics & Data Analytics Technician	Floral Design and Greenhouse Technology	Licensed Practical Nurse Training	Practical Nursing
Accounting	Business Mgmt-Intelligence Specialization	Data Entry Specialist	French Education	Lineworker (Electrical)	Precision Agriculture
Accounting Technician	Business Marketing	Data Science	Geography Education	Management	Precision Machining Technology
Addiction Studies	Business Process Integration Mgt	Dental Assisting	Geological Engineering	Management (Entrepreneurship)	Pre-Engineering
Admin Assistant / General	Business Studies	Dental Hygiene	Geology	Management Information Systems	Process Plant Technology
Admin Assistant / Legal	Business Studies–Financial Plan/Wealth Mgt	Diagnostic Medical Sonography	Geographic Info Systems Tech	Managerial Finance and Accounting	Professional Driver Training – CDL
Administration	Business Studies-Industrial Management	Diesel Technology	German	Manufacturing Engineering	Psychology
Administration - Accounting Track	Career and Technical Education major	Digital Design	Graphic Design	Marketing	Public Health Education
Administrative Assistant	Caregiver Services	Early Childhood	Graphic Design and Communications	Marketing-Sales Mgt Specialization	Radiologic Science
Administrative Assistant / General	Carpentry	Early Childhood Education	Graphic Design Technology	Mathematics	Radiologic Technology
Administrative Assistant / Medical	Carpentry (Residential)	Early Childhood Education (non-public)	Health and Fitness Administration	Mathematics Education	Range Science
Administrative Assistant and Office Mgt	Caterpillar Dealer Service	Early Childhood Education and Teaching	Health and Fitness Management	Mechanical Engineering	Registered Nursing
Advertising and Marketing	Certified Nurse Assistant	Earth Science	Health Education	Mechanical Maintenance Technology	Rehabilitation and Human Services
Agricultural & Biosystems Engineering	Chemistry	Earth Science Education	Health Information	Mechanical Systems	Respiratory care
Agricultural Farm Business Mgt	Chemistry Education	Economics	Health Information Management	Medical Administrative Assistant	Robotics, Automation & Mechatronics Tech
Agricultural Sales and Service	Child Development Associate	Education (Elementary/Secondary)	Health Information Technician	Medical Assistant	Science
Agriculture	Choral Music Education	Education with Major in Special Ed	Health, Physical Education, & Recreation	Medical Billing and Coding	Secondary Education
Agriculture Business and Industry	Civil Engineering	Electric Power Technology	Health Science	Medical Coding	Shielded Metal Arc Welding
Agriculture Industry and Technology (Agronomy)	Clinical Lab Science	Electrical Engineering	Health Services	Medical Laboratory Science	Simulation Technology
Agriculture Management & Technology	Clinical/Medical Lab Technician	Electrical Technician	Heating, Ventilation and Air Conditioning	Medical Laboratory Technician	Simulator Maintenance Technician
Air Traffic Management	COC-Geographic Info Sys Tech	Electrical Technology	Heavy Duty Diesel Technician	Medical Transcription	Small Business Management
Allied Health	Commercial Aviation	Electrical Transmission System Technology	Heavy Duty Vehicle Systems	Metal Inert Gas Welding Process	Social Science
Application Software Specialist	Commercial Vehicle Operation	Electrician	Heavy Equipment Operator	Middle Level Education	Social Science Education
Applied Business Information Technology	Communications	Electronics Technology	History Education	Music Education	Social Work
Architectural Drafting and Estimating Technology	Communication Arts Education	Electronics/Telecomm Technology	Horticulture	Natural Resource Management	Software Application Development
Associate Degree Nurse	Communication Studies-HR Mgt	Elementary Education	HS Addiction Studies	Natural Science	Software Engineering
Auto and Diesel Master Technician	Communication Studies	Elementary Education w/Special Needs	HS Social Work	Network Administrator	Soil Science
Auto Body Repair and Refinishing Technology	Comm Studies-Journalism/Social Media	Eligibility Worker	Human Development & Family Science	Network Systems Administration	Spanish
Auto Technology-Electrical/Chassis	Community Health Worker	Emergency Management	Human Resources Management	New Media and Web Design	Spanish Education
Automotive Collision Technology	Composite Biology Education	Emergency Medical Services (EMS)	Human Resources - Organizational Leadership	Nuclear Power Technology	Special Education
Automotive Mechanics Technology/Techs	Composite Business Education	Emergency Response	Human and Social Services	Nursing; Nurse Assistant	Specialty Crop Production
Automotive Technology	Composite Chemistry Education	EMT Paramedic Technology	Human Services	Occupational Therapist Assistant	Sports and Leisure Management
Automotive Technology-Engine Performance/AC	Composite Music Education	Energy Economics and Finance	HVAC; HVAC/R Technology	Occupational Therapy	Surgical Technology
Aviation Management	Composite Science Education	Energy Management	Industrial Engineering & Management	Office Technology	Sustainable Agriculture & Food System
Aviation Studies	Composite Social Science Education	Energy Services and Renewable Technician	Industrial Management	Operations and Supply Chain Management	Teacher Education
Banking and Financial Economics	Composite Social Studies Education	English Education	Information Analytics	Paramedic (EMT) Technology	Technical Studies
Basic Heavy-Duty Vehicle Maintenance	Computer Engineering	Engineering	Information and Communications Technology	Paramedic Technology	Technology Education
Behavioral Health	Computer Information Systems	Engineering Technology	Information Assurance	Paraprofessional Education Early Childhood	Transportation Technician Technology
Biochemistry	Computer Information Technology	Enterprise Applications	Information Management-Accountant Tech	Patient Access Specialist	Truck/Bus/Commercial Vehicle Operator
Biochemistry and Molecular Biology	Computer Programming	Entrepreneurship	Information Management – Admin Assistant	Peace Officer	Unmanned Aircraft Systems (UAS)
Bioinformatics and Computational Biology	Computer Programming Certificate	Environmental Design	Information Processing Specialist	Petroleum Engineering	Urban Forestry Management
Biology	Computer Science	Environmental Engineering	Information Systems	Petroleum Production Technology	Visual Arts
Biological Sciences	Computer Science Basic Programming	Environmental Geoscience	Information Technology	Pharmacy Technician	Water and Wastewater Technology
Biological Education	Computer Support Specialist	Environmental Health	Information Technology-Computer Office Mgt	Phlebotomy Technician	Web Design
Biology / Professional Health	Computer Technology Management	Environmental Science	Information Technology - Computerized Office Mgt	Physical Education	Web Development
Biology Science Education	Concrete Technology	Environmental Studies	Information Technology - Web Design	Physical Therapy	Web Management
Biology Teacher Education	Construction Mgt & Technology	Environmental Technology-Lab& Field Tech	Information Technology - Webmaster	Physics Education	Web Page Development and Design
Bookkeeping	Construction Trades, Other	Environmental Technology-Nat Resource Mgt	Instrumentation and Control Technology	Plumbing	Welding
Botany	Crane and Tower Operators	Farm and Ranch Mgt (Agribusiness Mgt)	Instrumental Music Education	Plumbing Technician	Welding & Basic Machining
Building Construction Technology	Criminal Justice	Farm and Ranch Mgt (Farm/Ranch Mgt)	Interdisciplinary Health Studies	Police Management & Investigation	Welding Technology
Building Trades	Cyber Security	Finance	Investments	Political Science	Welding Technology/Welder
Business Administration	Cyberpsychology	Financial Planning	John Deere Ag Tech	Power Plant Technology	Wildlife and Fisheries Technology
Business Administration & Mgt, General	Cybersecurity & Computer Networks	Financial Planning & Wealth Management	Land Management	Powersports Technology	Wind Energy Technician
Business Economics	Cybersecurity & Information Technology	Fisheries & Wildlife Science	Land Surveying & Civil Engineering Tech	Practical Nurse	
Business Education		Fisheries & Wildlife Biology	Law Enforcement		
Business Fundamentals					