

# 2016 Virginia Demand Occupations List

The following list represents the occupations within the 11 identified priority fields endorsed by the Virginia Board of Workforce Development as identified by the Demand Occupations Taskforce. Inclusion on this list makes approved related non-credit workforce training activities eligible for funding through the New Economy Workforce Credential Grant Program. The complete list of approved non-credit workforce training programs can be found at [www.elevatevirginia.com](http://www.elevatevirginia.com).

## 15-0000 Computer and Mathematical Occupations

151132	Software Developers, Applications	151131	Computer Programmers
151133	Software Developers, Systems Software	152031	Operations Research Analysts
151121	Computer Systems Analysts	151152	Computer Network Support Specialists
151151	Computer User Support Specialists	151141	Database Administrators
151142	Network and Computer Systems Administrators	151134	Web Developers
151122	Information Security Analysts	151199	Computer Occupations, All Other
151143	Computer Network Architects		

## 17-0000 Architecture and Engineering Occupations

172051	Civil Engineers	172199	Engineers, All Other
172141	Mechanical Engineers	172081	Environmental Engineers
172071	Electrical Engineers	173029	Engineering Technicians, Except Drafters, All Other
172011	Aerospace Engineers	172061	Computer Hardware Engineers
172072	Electronics Engineers, Except Computer	173022	Civil Engineering Technicians
172112	Industrial Engineers	172161	Nuclear Engineers
173023	Electrical and Electronics Engineering Technicians	173031	Surveying and Mapping Technicians
171011	Architects, Except Landscape and Naval		

## 19-0000 Life, Physical and Social Science Occupations

192041	Environmental Scientists and Specialists, Including Health	193099	Social Scientists and Related Workers, All Other
194099	Life, Physical, and Social Science Technicians, All Other	194021	Biological Technicians

## 25-0000 Education, Training, and Library Occupations

252021	Elementary School Teachers, Except Special Education	254031	Library Technicians
259041	Teacher Assistants	252052	Special Education Teachers, Kindergarten and Elementary School
252031	Secondary School Teachers, Except Special and Career/Technical Education	252032	Career/Technical Education Teachers, Secondary School
253098	Substitute Teachers	251191	Graduate Teaching Assistants
252022	Middle School Teachers, Except Special and Career/Technical Education	252054	Special Education Teachers, Secondary School
252011	Preschool Teachers, Except Special Education	253011	Adult Basic and Secondary Education and Literacy Teachers and Instructors
253099	Teachers and Instructors, All Other	252053	Special Education Teachers, Middle School
253021	Self-Enrichment Education Teachers		
252012	Kindergarten Teachers, Except Special Education		

## 29-0000 Healthcare Practitioners and Technical Occupations

291141	Registered Nurses	292056	Veterinary Technologists and Technicians
292061	Licensed Practical and Licensed Vocational Nurses	292032	Diagnostic Medical Sonographers
292041	Emergency Medical Technicians and Paramedics	292055	Surgical Technologists
292021	Dental Hygienists	299011	Occupational Health and Safety Specialists
292052	Pharmacy Technicians	292031	Cardiovascular Technologists and Technicians
292012	Medical and Clinical Laboratory Technicians	292099	Health Technologists and Technicians, All Other
292011	Medical and Clinical Laboratory Technologists	291126	Respiratory Therapists
292071	Medical Records and Health Information Technicians	299099	Healthcare Practitioners and Technical Workers, All Other
292034	Radiologic Technologists		
292081	Opticians, Dispensing		

**31-0000 Healthcare Support Occupations**

311014 Nursing Assistants  
 319092 Medical Assistants  
 319091 Dental Assistants  
 319097 Phlebotomists  
 319096 Veterinary Assistants and Laboratory Animal Caretakers  
 319011 Massage Therapists

312021 Physical Therapist Assistants  
 312022 Physical Therapist Aides  
 319099 Healthcare Support Workers, All Other  
 319094 Medical Transcriptionists  
 312011 Occupational Therapy Assistants

**43-0000 Office and Administrative Support Occupations**

439061 Office Clerks, General  
 434051 Customer Service Representatives  
 431011 First-Line Supervisors of Office and Administrative Support Workers  
 434171 Receptionists and Information Clerks  
 433031 Bookkeeping, Accounting, and Auditing Clerks  
 436014 Secretaries and Administrative Assistants, Except Legal, Medical, and Executive  
 433071 Tellers  
 433021 Billing and Posting Clerks  
 435071 Shipping, Receiving, and Traffic Clerks  
 433011 Bill and Account Collectors  
 436013 Medical Secretaries  
 434081 Hotel, Motel, and Resort Desk Clerks  
 436011 Executive Secretaries and Executive Administrative Assistants  
 435061 Production, Planning, and Expediting Clerks  
 439199 Office and Administrative Support Workers, All Other  
 435052 Postal Service Mail Carriers  
 434199 Information and Record Clerks, All Other  
 439041 Insurance Claims and Policy Processing Clerks

434121 Library Assistants, Clerical  
 435032 Dispatchers, Except Police, Fire, and Ambulance  
 435031 Police, Fire, and Ambulance Dispatchers  
 433051 Payroll and Timekeeping Clerks  
 434061 Eligibility Interviewers, Government Programs  
 434161 Human Resources Assistants, Except Payroll and Timekeeping  
 434151 Order Clerks  
 439051 Mail Clerks and Mail Machine Operators, Except Postal Service  
 433061 Procurement Clerks  
 434131 Loan Interviewers and Clerks  
 434071 File Clerks  
 434111 Interviewers, Except Eligibility and Loan  
 439021 Data Entry Keyers  
 434031 Court, Municipal, and License Clerks  
 435011 Cargo and Freight Agents  
 434181 Reservation and Transportation Ticket Agents and Travel Clerks  
 434011 Brokerage Clerks

**47-0000 Construction and Extraction Occupations**

472031 Carpenters  
 471011 First-Line Supervisors of Construction Trades and Extraction Workers  
 472111 Electricians  
 472073 Operating Engineers and Other Construction Equipment Operators  
 472152 Plumbers, Pipefitters, and Steamfitters  
 472211 Sheet Metal Workers  
 473013 Helpers--Electricians

474011 Construction and Building Inspectors  
 472021 Brickmasons and Blockmasons  
 472221 Structural Iron and Steel Workers  
 474051 Highway Maintenance Workers  
 472071 Paving, Surfacing, and Tamping Equipment Operators  
 473015 Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters  
 472132 Insulation Workers, Mechanical

**49-0000 Installation, Maintenance, and Repair Occupations**

499071 Maintenance and Repair Workers, General  
 493023 Automotive Service Technicians and Mechanics  
 491011 First-Line Supervisors of Mechanics, Installers, and Repairers  
 499041 Industrial Machinery Mechanics  
 499021 Heating, Air Conditioning, and Refrigeration Mechanics and Installers  
 493031 Bus and Truck Mechanics and Diesel Engine Specialists  
 499098 Helpers--Installation, Maintenance, and Repair Workers  
 499052 Telecommunications Line Installers and Repairers  
 493021 Automotive Body and Related Repairers  
 499051 Electrical Power-Line Installers and Repairers

493042 Mobile Heavy Equipment Mechanics, Except Engines  
 492022 Telecommunications Equipment Installers and Repairers, Except Line Installers  
 492098 Security and Fire Alarm Systems Installers  
 492011 Computer, Automated Teller, and Office Machine Repairers  
 493093 Tire Repairers and Changers  
 499099 Installation, Maintenance, and Repair Workers, All Other  
 499043 Maintenance Workers, Machinery  
 493011 Aircraft Mechanics and Service Technicians  
 499031 Home Appliance Repairers

**51-0000 Production Occupations**

514121 Welders, Cutters, Solderers, and Brazers  
514041 Machinists  
519061 Inspectors, Testers, Sorters, Samplers, and Weighers  
511011 First-Line Supervisors of Production and Operating Workers  
519199 Production Workers, All Other  
519111 Packaging and Filling Machine Operators and Tenders  
512092 Team Assemblers  
518031 Water and Wastewater Treatment Plant and System Operators  
515112 Printing Press Operators  
512099 Assemblers and Fabricators, All Other  
519151 Photographic Process Workers and Processing Machine Operators

512041 Structural Metal Fabricators and Fitters  
514122 Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders  
514011 Computer-Controlled Machine Tool Operators, Metal and Plastic  
517041 Sawing Machine Setters, Operators, and Tenders, Wood  
513092 Food Batchmakers  
519041 Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders  
519023 Mixing and Blending Machine Setters, Operators, and Tenders

**53-0000 Transportation and Material Moving Occupations**

533032 Heavy and Tractor-Trailer Truck Drivers  
533022 Bus Drivers, School or Special Client  
533033 Light Truck or Delivery Services Drivers  
533031 Driver/Sales Workers  
531031 First-Line Supervisors of Transportation and Material-Moving Machine and Vehicle Operators  
531021 First-Line Supervisors of Helpers, Laborers, and Material Movers, Hand

533021 Bus Drivers, Transit and Intercity  
535021 Captains, Mates, and Pilots of Water Vessels  
537021 Crane and Tower Operators  
535031 Ship Engineers  
536099 Transportation Workers, All Other  
532011 Airline Pilots, Copilots, and Flight Engineers  
532021 Air Traffic Controllers  
532031 Flight Attendants