

**2025-2026 BOARD OF EDUCATION APPROVED INDUSTRY CERTIFICATIONS,  
OCCUPATIONAL COMPETENCY ASSESSMENTS, AND PROFESSIONAL LICENSES**

**BOARD APPROVED/July 31, 2025**

In accordance with [8VAC20-132-51. B.2](#), requirements for the Standard Diploma (effective with the students who enter the ninth grade in the 2018-2019 school year and beyond), a laboratory science verified credit may be awarded to students who complete a career and technical education program sequence and (i) pass two examinations or occupational competency assessments in a career and technical education field that confers certification or an occupational competency credential from a recognized industry, trade, or professional association; (ii) acquire two professional licenses in a career and technical education field from the Commonwealth of Virginia; or (iii) pass one examination or competency assessment from clause (i) and acquire one license from clause (ii). The examination or occupational competency assessment must be approved by the board as an additional test to verify student achievement.

Additional Requirements for Graduation – [8VAC20-132-51. B.2, C.2.H.6](#) (Standard and Advanced Studies Diplomas) In accordance with the Standards of Quality ([§ 22.1-253.13:4.D.6](#)), requires that students (i) complete an Advanced Placement, honors, International Baccalaureate, or dual enrollment course; (ii) complete a high-quality work-based learning experience, as defined by the Board; or (iii) earn a career and technical education credential that has been approved by the Board, except when a career and technical education credential in a particular subject area is not readily available or appropriate or does not adequately measure student competency, in which case the student shall receive satisfactory competency-based instruction in the subject area to earn credit. The career and technical education credential, when required, could include the successful completion of an industry certification, a state licensure examination, a national occupational competency assessment, the Armed Services Vocational Aptitude Battery (ASVAB), the Seal of Biliteracy, or the Virginia Workplace Readiness Skills Assessment. The Department shall develop, maintain, and make available to each local school board a catalogue of the testing accommodations available to English language learners for each such certification, examination, assessment, and battery. Each local school board shall develop and implement policies to require each high school principal or his designee to notify each English language learner of the availability of such testing accommodations prior to the student's participation in any such certification, examination, assessment, or battery.

Awards for Exemplary Student Performance. – [8VAC20-132-51. H.](#)

In accordance with [8VAC20-132-51. H.3](#), the Board of Education's Career and Technical Education Seal shall be awarded to students who earn a Standard Diploma or an Advanced Studies Diploma and complete a prescribed sequence of courses in a career and technical education concentration or specialization that they choose and maintain a "B" or better average in those courses or (i) pass an examination or an occupational competency assessment in a career and technical education concentration or specialization that confers

certification or occupational competency credential from a recognized industry, trade, or professional association or (ii) acquire a professional license in that career and technical education field from the Commonwealth of Virginia. The board shall approve all professional licenses and examinations used to satisfy these requirements.

In accordance with [8VAC20-132-51. H.4](#), the Board of Education's Science, Technology, Engineering, and Mathematics (STEM) Seal shall be awarded to students who meet criteria established by the board.

The Code of Virginia [§ 2.2-2472](#), requires the Virginia Board of Workforce Development (VBWD) to publish a biennial list of jobs, trades, and professions for which a high demand for qualified workers exists or is projected. The Virginia Office of Education Economics (VOEE) collaborated with the VBWD and related stakeholders to develop the High Demand Occupations [Dashboard](#). This dashboard presents high demand occupations including their current employment, median annual earnings, and annual and five-year job projection data.

High Demand criteria are defined as:

- Typical Entry-level Education Range: No formal education to Bachelor's degree
- 5-year Job Change: Minimum 1% (Statewide)
- 5-year Average Annual Openings: Minimum 100 (Statewide)
- Median Annual Earnings: Minimum \$29,160 (200% of Federal Poverty Level)

**OR**

- Active Apprenticeable Occupation per the Virginia Department of Labor and Industry (DOLI)

The 2024 High Demand List includes 361 High Demand Occupations.

Note: For each of the tables below, items with yellow highlighted background indicate new credentials

| <b>AGRICULTURAL EDUCATION</b>                                      |                               |                    |
|--------------------------------------------------------------------|-------------------------------|--------------------|
| <b>NAME OF CREDENTIAL</b>                                          | <b>ISSUING ORGANIZATION</b>   | <b>HIGH DEMAND</b> |
| <a href="#">Agriculture Mechanics Assessment</a>                   | NOCTI                         |                    |
| <a href="#">Agriculture Mechanics and Technology I Examination</a> | Precision Exams by YouScience |                    |
| <a href="#">Animal Science II Examination</a>                      | Precision Exams by YouScience |                    |

| <b>AGRICULTURAL EDUCATION</b><br><b>NAME OF CREDENTIAL</b>                                                                     | <b>ISSUING ORGANIZATION</b>                                               | <b>HIGH DEMAND</b> |
|--------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|--------------------|
| <a href="#"><u>Animal Systems Assessment</u></a>                                                                               | NOCTI                                                                     |                    |
| <a href="#"><u>BASF Plant Science Certification Examination</u></a>                                                            | BASF (administered by CEV Multimedia)                                     |                    |
| <a href="#"><u>Beef Quality Assurance Examination</u></a>                                                                      | Virginia Cooperative Extension/VT APSC                                    |                    |
| <a href="#"><u>Building Construction Occupations Assessment</u></a> (also listed in Trade and Industrial Education)            | NOCTI                                                                     |                    |
| <a href="#"><u>Canine Care and Training Program Level 1 Certification Examination</u></a>                                      | Continental Kennel Club, Inc.                                             |                    |
| <a href="#"><u>Carpentry Assessment</u></a> (also listed in Trade and Industrial Education)                                    | NOCTI                                                                     |                    |
| <a href="#"><u>Carpentry Level One Assessment</u></a> (also listed in Trade and Industrial Education)                          | National Center for Construction Education & Research (NCCER)             | <b>X</b>           |
| <a href="#"><u>Certified Grounds Technician Examination</u></a>                                                                | Professional Grounds Management Society (PGMS)                            | <b>X</b>           |
| <a href="#"><u>Certified Turfgrass Professional Examination</u></a>                                                            | Virginia Tech Turfgrass Extension Service                                 |                    |
| <a href="#"><u>Certified Veterinary Assistant (CVA) Examination (AAH)</u></a>                                                  | American Allied Health (AAH)                                              | <b>X</b>           |
| <a href="#"><u>Certified Veterinary Assistant Examination (TVMA)</u></a>                                                       | Texas Veterinary Medical Association                                      | <b>X</b>           |
| <a href="#"><u>Chesapeake Bay Landscape Professional-Associate (CBLP-A) Examination</u></a>                                    | Chesapeake Conservation Landscaping Council (CCLC)                        |                    |
| <a href="#"><u>Construction Masonry–Brick Assessment</u></a> (also listed in Trade and Industrial Education)                   | NOCTI                                                                     |                    |
| <a href="#"><u>Construction Technology Assessment</u></a> (also listed in Trade and Industrial Education)                      | National Center for Construction Education & Research (NCCER)             | <b>X</b>           |
| <a href="#"><u>Culinary Meat Selection and Cookery Certification Examination</u></a>                                           | American Meat Science Association (AMSA) (administered by CEV Multimedia) |                    |
| <a href="#"><u>Ecology Conservation &amp; Management Certification Examination</u></a>                                         | Ducks Unlimited (DU) (administered by CEV Multimedia)                     |                    |
| <a href="#"><u>EETC Technician Certification Tests</u></a> (pass any one test) (also listed in Trade and Industrial Education) | Equipment and Engine Training Council (EETC)                              | <b>X</b>           |

| <b>AGRICULTURAL EDUCATION</b><br><b>NAME OF CREDENTIAL</b>                                                                                                                                        | <b>ISSUING ORGANIZATION</b>                                                       | <b>HIGH DEMAND</b> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------|
| <a href="#">Electrical Construction Technology Assessment</a> (also in Trade and Industrial Education)                                                                                            | NOCTI                                                                             |                    |
| <a href="#">Equine Management and Evaluation Certification Examination</a>                                                                                                                        | National Horse Judging Team Coaches' Association (administered by CEV Multimedia) |                    |
| <a href="#">Equine Science Examination</a>                                                                                                                                                        | Precision Exams by YouScience                                                     |                    |
| <a href="#">FAA Remote Pilot Small Unmanned Aircraft Systems Certification Examination</a> (also listed in Technology and Engineering Education, and Trade and Industrial Education)              | PSI/True Talent Enterprise                                                        | <b>X</b>           |
| <a href="#">Flux Core Arc Welding (FCAW) Examination</a> (also listed in Trade and Industrial Education)                                                                                          | American Welding Society (AWS)                                                    | <b>X</b>           |
| <a href="#">Food Safety &amp; Science Certification Examination</a> (also listed in Family and Consumer Sciences)                                                                                 | American Meat Science Association (administered by CEV Multimedia)                |                    |
| <a href="#">Forest Products and Processing Assessment</a>                                                                                                                                         | NOCTI                                                                             |                    |
| <a href="#">Fundamentals of Animal Science Certification Examination</a>                                                                                                                          | Elanco (administered by CEV Multimedia)                                           |                    |
| <a href="#">Gas Metal Arc Welding (GMAW) Examination</a> (also listed in Trade and Industrial Education)                                                                                          | American Welding Society (AWS)                                                    | <b>X</b>           |
| <a href="#">Gas Tungsten Arc Welding (GTAW) Examination</a> (also listed in Trade and Industrial Education)                                                                                       | American Welding Society (AWS)                                                    | <b>X</b>           |
| <a href="#">Greenhouse Operators Certification Examination</a>                                                                                                                                    | Virginia Greenhouse Growers Association (VGGA)                                    |                    |
| <a href="#">Horticulture/Landscaping Assessment</a>                                                                                                                                               | NOCTI                                                                             |                    |
| <a href="#">IC3 Digital Literacy Certification Examinations</a> (also listed in Business and Information Technology, Family and Consumer Sciences, Marketing, and Trade and Industrial Education) | Certiport                                                                         |                    |
| <a href="#">Master Service Technician Examinations</a> (pass all five to earn credential) (also listed in Trade and Industrial Education)                                                         | Briggs & Stratton Corp.                                                           | <b>X</b>           |

| <b>AGRICULTURAL EDUCATION</b><br><b>NAME OF CREDENTIAL</b>                                                                                            | <b>ISSUING ORGANIZATION</b>                                                        | <b>HIGH DEMAND</b> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------|
| <a href="#"><u>Meat Evaluation Certification</u></a>                                                                                                  | American Meat Science Association (administered by CEV Multimedia)                 |                    |
| <a href="#"><u>Microsoft Office Specialist (MOS) Examinations</u></a> (pass any one exam) (also listed in Business and Information Technology)        | Microsoft                                                                          | <b>X</b>           |
| <a href="#"><u>Pet Sitters Certification Examination</u></a>                                                                                          | National Association Professional Pet Sitters (NAPPS)                              |                    |
| <a href="#"><u>Principles of Floral Design Certification Examination</u></a>                                                                          | Benz School of Floral Design (administered by CEV Multimedia)                      |                    |
| <a href="#"><u>Principles of Livestock Selection and Evaluation Certification Examination</u></a>                                                     | National Collegiate Livestock Coaches Association (administered by CEV Multimedia) |                    |
| <a href="#"><u>Principles of Small Engine Technology Certification Examination</u></a> (also listed in Trade and Industrial Education)                | Equipment & Engine Training Council (EETC) (administered by CEV Multimedia)        |                    |
| <a href="#"><u>Production Agriculture Assessment</u></a>                                                                                              | NOCTI                                                                              |                    |
| <a href="#"><u>Professional Communications Certification Examination</u></a> (also listed in Trade and Industrial Education)                          | Southwest Airlines (administered by CEV Multimedia)                                |                    |
| <a href="#"><u>Security Pro Certification Examination</u></a> (also listed in Business and Information Technology)                                    | TestOut Corp.                                                                      |                    |
| <a href="#"><u>SENSE Training Program Certification Examination (Level 1, Entry-Level Welder)</u></a> (also listed in Trade and Industrial Education) | American Welding Society (AWS)                                                     | <b>X</b>           |
| <a href="#"><u>Shielded Metal Arc Welding (SMAW) Examination</u></a> (also listed in Trade and Industrial Education)                                  | American Welding Society (AWS)                                                     | <b>X</b>           |
| <a href="#"><u>Small Animal Science and Technology Assessment</u></a>                                                                                 | NOCTI                                                                              |                    |
| <a href="#"><u>Small Engine Technology Assessment</u></a> (also listed in Trade and Industrial Education)                                             | NOCTI                                                                              |                    |
| <a href="#"><u>Veterinary Medical Applications Certification Examination</u></a>                                                                      | Elanco (administered by CEV Multimedia)                                            |                    |
| <a href="#"><u>Welding Assessment</u></a> (also listed in Trade and Industrial Education)                                                             | NOCTI                                                                              |                    |

| <b>AGRICULTURAL EDUCATION</b>                                                                | <b>ISSUING ORGANIZATION</b>                                   | <b>HIGH DEMAND</b> |
|----------------------------------------------------------------------------------------------|---------------------------------------------------------------|--------------------|
| <b>NAME OF CREDENTIAL</b>                                                                    |                                                               |                    |
| <a href="#">Welding Level One Assessment</a> (also listed in Trade and Industrial Education) | National Center for Construction Education & Research (NCCER) | <b>X</b>           |

| <b>BUSINESS AND INFORMATION TECHNOLOGY</b>                                                                                                                              | <b>ISSUING ORGANIZATION</b>                                                       | <b>HIGH DEMAND</b> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------|
| <b>NAME OF CREDENTIAL</b>                                                                                                                                               |                                                                                   |                    |
| <a href="#">A+ Certification Examination</a> (also listed in Trade and Industrial Education)                                                                            | CompTIA                                                                           | <b>X</b>           |
| <a href="#">A*S*K Fundamental Business Concepts Assessment</a>                                                                                                          | ASK Business Institute/MBA Research and Curriculum Center (administered by NOCTI) |                    |
| <a href="#">A*S*K Concepts of Finance Assessment</a>                                                                                                                    | ASK Business Institute/MBA Research and Curriculum Center (administered by NOCTI) |                    |
| <a href="#">Accounting—Advanced Assessment</a>                                                                                                                          | NOCTI                                                                             |                    |
| <a href="#">Accounting—Basic Assessment</a>                                                                                                                             | NOCTI                                                                             |                    |
| <a href="#">Administrative Assisting Assessment</a>                                                                                                                     | NOCTI                                                                             |                    |
| <a href="#">Administrative Services Assessment</a>                                                                                                                      | NOCTI                                                                             |                    |
| <a href="#">Adobe Certified Professional Examinations</a> (pass any one exam) (also listed in Technology and Engineering Education, and Trade and Industrial Education) | Adobe Systems Inc. (administered by Certiport)                                    | <b>X</b>           |
| <a href="#">App Development with Swift Examinations</a> (pass any one exam)                                                                                             | Apple (administered by Certiport)                                                 | <b>X</b>           |
| <a href="#">Avid Certified Professional Examinations</a> (pass any one exam) (also listed in Trade and Industrial Education)                                            | Avid Technology, Inc                                                              | <b>X</b>           |
| <a href="#">Avid Certified Specialist Examinations</a> (pass any one exam) (also listed in Trade and Industrial Education)                                              | Avid Technology, Inc                                                              | <b>X</b>           |
| <a href="#">AWS Certified Cloud Practitioner Examination</a>                                                                                                            | Amazon Web Services (AWS) (administered by PSI and Pearson VUE)                   | <b>X</b>           |
| <a href="#">Business Financial Management Assessment</a>                                                                                                                | NOCTI                                                                             |                    |

| <b>BUSINESS AND INFORMATION TECHNOLOGY</b>                                                                                  | <b>ISSUING ORGANIZATION</b>             | <b>HIGH DEMAND</b> |
|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|--------------------|
| <b>NAME OF CREDENTIAL</b>                                                                                                   |                                         |                    |
| <a href="#"><u>Business Information Processing Assessment</u></a>                                                           | NOCTI                                   |                    |
| <a href="#"><u>Business Office Specialist Examination</u></a>                                                               | Precision Exams by YouScience           |                    |
| <a href="#"><u>Certified Associate in Python Programming (PCAP) Examination</u></a>                                         | OpenEDG Python Institute                | <b>X</b>           |
| <a href="#"><u>Certified Cybersecurity Technician (CCT) Examination</u></a> (also listed in Trade and Industrial Education) | EC-Council                              | <b>X</b>           |
| <a href="#"><u>Certified Electronic Health Records Specialist (CEHRS) Examination</u></a>                                   | National Healthcareer Association (NHA) | <b>X</b>           |
| <a href="#"><u>Certified Entry-Level Python Programmer (PCEP) Examination</u></a>                                           | OpenEDG Python Institute                | <b>X</b>           |
| <a href="#"><u>Certified Ethical Hacker (CEH) Examination</u></a>                                                           | EC-Council                              | <b>X</b>           |
| <a href="#"><u>Certified Internet Web (CIW) Advanced HTML5 and CSS3 Specialist Examination</u></a>                          | Certification Partners, LLC             |                    |
| <a href="#"><u>Certified Internet Web (CIW) Artificial Intelligence Associate Examination</u></a>                           | Certification Partners, LLC             |                    |
| <a href="#"><u>Certified Internet Web (CIW) Artificial Intelligence Data Science Specialist Examination</u></a>             | Certification Partners, LLC             |                    |
| <a href="#"><u>Certified Internet Web (CIW) Data Analyst Examination</u></a>                                                | Certification Partners, LLC             |                    |
| <a href="#"><u>Certified Internet Web (CIW) Database Design Specialist Examination</u></a>                                  | Certification Partners, LLC             |                    |
| <a href="#"><u>Certified Internet Web (CIW) Internet Business Associate Examination</u></a>                                 | Certification Partners, LLC             |                    |
| <a href="#"><u>Certified Internet Web (CIW) JavaScript Specialist Examination</u></a>                                       | Certification Partners, LLC             |                    |
| <a href="#"><u>Certified Internet Web (CIW) Multimedia Specialist Examination</u></a>                                       | Certification Partners, LLC             |                    |
| <a href="#"><u>Certified Internet Web (CIW) Network Technology Associate Examination</u></a>                                | Certification Partners, LLC             |                    |

| <b>BUSINESS AND INFORMATION TECHNOLOGY</b>                                                                                        | <b>ISSUING ORGANIZATION</b>             | <b>HIGH DEMAND</b> |
|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|--------------------|
| <b>NAME OF CREDENTIAL</b>                                                                                                         |                                         |                    |
| <a href="#"><u>Certified Internet Web (CIW) Site Development Associate Examination</u></a>                                        | Certification Partners, LLC             |                    |
| <a href="#"><u>Certified Internet Web (CIW) Social Media Strategist Examination</u></a>                                           | Certification Partners, LLC             |                    |
| <a href="#"><u>Certified Internet Web (CIW) User Interface Designer Examination</u></a>                                           | Certification Partners, LLC             |                    |
| <a href="#"><u>Certified Internet Web (CIW) Web Security Associate Examination</u></a>                                            | Certification Partners, LLC             |                    |
| <a href="#"><u>Certified Medical Admin Assistant (CMAA) Examination</u></a> (also listed in Health and Medical Sciences)          | American Allied Health (AAH)            | <b>X</b>           |
| <a href="#"><u>Certified Medical Administrative Assistant (CMAA) Examination</u></a> (also listed in Health and Medical Sciences) | National Healthcareer Association (NHA) | <b>X</b>           |
| <a href="#"><u>Certified Network Defender (CND) Examination</u></a> (also listed in Trade and Industrial Education)               | EC-Council                              | <b>X</b>           |
| <a href="#"><u>Certified Secure Computer User (CSCU) Examination</u></a>                                                          | EC-Council                              |                    |
| <a href="#"><u>Cisco Certified Support Technician (CCST) Examinations</u></a> (pass any one exam)                                 | Certiport                               |                    |
| <a href="#"><u>CLA-C Programming Language Certified Associate Examination</u></a>                                                 | OpenEDG C++ Institute                   | <b>X</b>           |
| <a href="#"><u>CLE-C Certified Entry-Level Programmer Examination</u></a>                                                         | OpenEDG C++ Institute                   | <b>X</b>           |
| <a href="#"><u>Cloud+ Certification Examination</u></a>                                                                           | CompTIA                                 | <b>X</b>           |
| <a href="#"><u>Cloud Essentials+ Certification Examination</u></a>                                                                | CompTIA                                 | <b>X</b>           |
| <a href="#"><u>CodeHS Cybersecurity Level 2 Certification Examination</u></a>                                                     | CodeHS                                  |                    |
| <a href="#"><u>CodeHS Level 1 Certification Examinations</u></a> (pass any one exam)                                              | CodeHS                                  |                    |
| <a href="#"><u>Computer Hacking Forensic Investigator (CHFI) Examination</u></a> (also listed in Trade and Industrial Education)  | EC-Council                              | <b>X</b>           |

| <b>BUSINESS AND INFORMATION TECHNOLOGY</b>                                                                                               | <b>ISSUING ORGANIZATION</b>                       | <b>HIGH DEMAND</b> |
|------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|--------------------|
| <b>NAME OF CREDENTIAL</b>                                                                                                                |                                                   |                    |
| <a href="#">Computer Networking Fundamentals Assessment</a> (also listed in Trade and Industrial Education)                              | NOCTI                                             |                    |
| <a href="#">Computer Programming Assessment</a>                                                                                          | NOCTI                                             |                    |
| <a href="#">Computer Technology Assessment</a> (also listed in Trade and Industrial Education)                                           | NOCTI                                             |                    |
| CompTIA Tech+ (also listed in Trade and Industrial Education) (formerly called IT Fundamentals (ITF+))                                   | CompTIA                                           | <b>X</b>           |
| <a href="#">CPA-C++ Certified Associate Programmer Certification Examination</a>                                                         | OpenEDG C++ Institute                             | <b>X</b>           |
| <a href="#">CPE-C++ Certified Entry Level Programmer Examination</a>                                                                     | OpenEDG C++ Institute                             |                    |
| Critical Career Skills (CCS): Professional Communication (formerly called Communication Skills for Business: Professional Communication) | Pearson VUE                                       |                    |
| <a href="#">Digital Forensics Essentials (DFE) Examination</a> (also listed in Trade and Industrial Education)                           | EC-Council                                        |                    |
| <a href="#">Digital Literacy Pro Examination</a>                                                                                         | TestOut Corporation                               |                    |
| <a href="#">EC-Council Certified Incident Handler (ECIH) Examination</a> (also listed in Trade and Industrial Education)                 | EC-Council                                        | <b>X</b>           |
| <a href="#">Electronic Health Record Certification (EHRC) Examination</a> (also listed in Health and Medical Sciences)                   | American Medical Certification Association (AMCA) | <b>X</b>           |
| <a href="#">Ethical Hacking Essentials (EHE) Examination</a> (also listed in Trade and Industrial Education)                             | EC-Council                                        |                    |
| <a href="#">Financial and Investment Planning Assessment</a>                                                                             | NOCTI                                             |                    |
| <a href="#">General Management Assessment</a>                                                                                            | NOCTI                                             |                    |
| <a href="#">Health Informatics Assessment</a> (also listed in Health and Medical Sciences)                                               | NOCTI                                             |                    |
| <a href="#">Human Resources Management Assessment</a>                                                                                    | NOCTI                                             |                    |

| <b>BUSINESS AND INFORMATION TECHNOLOGY</b>                                                                                                                                                     | <b>ISSUING ORGANIZATION</b>                       | <b>HIGH DEMAND</b> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|--------------------|
| <b>NAME OF CREDENTIAL</b>                                                                                                                                                                      |                                                   |                    |
| <a href="#"><u>IC3 Digital Literacy Certification Examinations</u></a><br>(also listed in Agricultural Education, Family and Consumer Sciences, Marketing, and Trade and Industrial Education) | Certiport                                         |                    |
| <a href="#"><u>Information Technology Specialist Certification Examinations</u></a><br>(pass any one exam)                                                                                     | Certiport                                         | X                  |
| <a href="#"><u>Intuit Certified Bookkeeping Professional Examination</u></a>                                                                                                                   | Certiport                                         |                    |
| <a href="#"><u>Intuit QuickBooks Certified User (QBCU) Certification Test</u></a>                                                                                                              | Certiport                                         | X                  |
| <a href="#"><u>IRS Volunteer Income Tax Assistance Tax Preparer Certification Examination</u></a>                                                                                              | IRS Link and Learn Taxes                          | X                  |
| <a href="#"><u>JSA-Certified Associate JavaScript Programmer Examination</u></a>                                                                                                               | OpenEDG JavaScript Institute                      | X                  |
| <a href="#"><u>JSE-Certified Entry-Level JavaScript Programmer Examination</u></a>                                                                                                             | OpenEDG JavaScript Institute                      |                    |
| <a href="#"><u>Medical Administrative Assistant Certification (MAAC) Examination</u></a> (also listed in Health and Medical Sciences)                                                          | American Medical Certification Association (AMCA) | X                  |
| <a href="#"><u>Medical Coder &amp; Biller Certification (MCBC) Examination</u></a><br>(also listed in Health and Medical Sciences)                                                             | American Medical Certification Association (AMCA) | X                  |
| <a href="#"><u>Microsoft Certified Fundamentals Examinations</u></a> (pass any one exam)                                                                                                       | Microsoft                                         | X                  |
| <a href="#"><u>Microsoft Office Specialist (MOS) Examinations</u></a> (pass any one exam) (also listed in Agricultural Education)                                                              | Microsoft                                         | X                  |
| <a href="#"><u>Network+ Certification Examination</u></a> (also listed in Trade and Industrial Education)                                                                                      | CompTIA                                           | X                  |
| <a href="#"><u>Network Defense Essentials (NDE) Examination</u></a> (also listed in Trade and Industrial Education)                                                                            | EC-Council                                        | X                  |
| <a href="#"><u>Oracle Certified Associates, Java SE 8 Programmer Examination</u></a>                                                                                                           | Oracle Academy                                    |                    |
| <a href="#"><u>Oracle Certified Foundations Associate Examinations</u></a> (pass any one exam)                                                                                                 | Oracle Academy                                    | X                  |
| <a href="#"><u>Oracle Database SQL Certified Associate Examination</u></a>                                                                                                                     | Oracle Academy                                    |                    |

| <b>BUSINESS AND INFORMATION TECHNOLOGY</b>                                                                                  | <b>ISSUING ORGANIZATION</b>                                                   | <b>HIGH DEMAND</b> |
|-----------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|--------------------|
| <b>NAME OF CREDENTIAL</b>                                                                                                   |                                                                               |                    |
| <a href="#">Personal Financial Literacy Certification Examination</a>                                                       | Center for Financial Responsibility (CFR)<br>(administered by CEV Multimedia) |                    |
| <a href="#">PMI Project Management Ready Examination</a>                                                                    | Certiport                                                                     |                    |
| <a href="#">Security+ Certification Examination</a> (also listed in Trade and Industrial Education)                         | CompTIA                                                                       | <b>X</b>           |
| <a href="#">Security Pro Certification Examination</a> (also listed in Agricultural Education)                              | TestOut Corp.                                                                 |                    |
| <a href="#">Unity Certified User Examinations</a> (pass any one exam) (also listed in Technology and Engineering Education) | Unity Technologies (administered by Certiport)                                | <b>X</b>           |
| <a href="#">Virtual Enterprise Certification Assessment</a> (also listed in Marketing)                                      | Virtual Enterprise International (administered by NOCTI)                      |                    |
| <a href="#">W!SE Financial Literacy Certification Test</a>                                                                  | Working in Support of Education (W!SE)                                        |                    |
| <a href="#">Web Design Assessment</a>                                                                                       | NOCTI                                                                         |                    |

| <b>CAREER CONNECTIONS</b>                                                                    | <b>ISSUING ORGANIZATION</b>                                 | <b>HIGH DEMAND</b> |
|----------------------------------------------------------------------------------------------|-------------------------------------------------------------|--------------------|
| <b>NAME OF CREDENTIAL</b>                                                                    |                                                             |                    |
| <a href="#">College and Career Readiness Assessment (CCRA+)</a>                              | Council for Aid to Education                                |                    |
| <a href="#">National Career Readiness Certificate (NCRC)</a>                                 | ACT Inc./WorkKeys                                           |                    |
| Seal of Biliteracy<br>*Not eligible for 3E Readiness and CTE Federal and State Reimbursement | The Virginia Board of Education                             | <b>X*</b>          |
| <a href="#">Workplace Readiness Skills for the Commonwealth Examination</a>                  | Career and Technical Education Consortium of States (CTECS) |                    |

| <b>FAMILY AND CONSUMER SCIENCES<br/>NAME OF CREDENTIAL</b>                                                                                                      | <b>ISSUING ORGANIZATION</b>                                        | <b>HIGH<br/>DEMAND</b> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|------------------------|
| <a href="#"><u>Broad Field Family and Consumer Sciences Assessment</u></a>                                                                                      | American Association of Family and Consumer Sciences (AAFCS)       |                        |
| <a href="#"><u>Certified Breakfast Attendant Examination</u></a>                                                                                                | American Hotel and Lodging Educational Institute (AHLEI)           |                        |
| <a href="#"><u>Certified Front Desk Representative Examination</u></a> (also listed in Marketing)                                                               | American Hotel and Lodging Educational Institute (AHLEI)           |                        |
| <a href="#"><u>Certified Fundamentals Cook Assessment (ACF-NOCTI)</u></a>                                                                                       | American Culinary Federation Inc. (ACF)<br>(administered by NOCTI) | <b>X</b>               |
| <a href="#"><u>Certified Fundamentals Pastry Cook Assessment (ACF-NOCTI)</u></a>                                                                                | American Culinary Federation Inc. (ACF)<br>(administered by NOCTI) | <b>X</b>               |
| <a href="#"><u>Certified Guestroom Attendant Examination</u></a> (also listed in Marketing)                                                                     | American Hotel and Lodging Educational Institute (AHLEI)           |                        |
| <a href="#"><u>Certified Guest Service Professional Examination</u></a> (also listed in Marketing)                                                              | American Hotel and Lodging Educational Institute (AHLEI)           |                        |
| <a href="#"><u>Certified Hospitality and Tourism Management Professional (CHTMP) Examination</u></a> (must pass Level 1 and Level 2) (also listed in Marketing) | American Hotel and Lodging Educational Institute (AHLEI)           | <b>X</b>               |
| <a href="#"><u>Certified Hospitality Manager (CHM) Examination</u></a>                                                                                          | American Hotel and Lodging Educational Institute (AHLEI)           |                        |
| <a href="#"><u>Certified Kitchen Cook Examination</u></a>                                                                                                       | American Hotel and Lodging Educational Institute (AHLEI)           | <b>X</b>               |
| <a href="#"><u>Certified Restaurant Professional (CRP) Examination</u></a>                                                                                      | American Hotel and Lodging Educational Institute (AHLEI)           |                        |
| <a href="#"><u>Certified Restaurant Server Examination</u></a>                                                                                                  | American Hotel and Lodging Educational Institute (AHLEI)           |                        |
| <a href="#"><u>Certified Restaurant Supervisor (CRS) Examination</u></a>                                                                                        | American Hotel and Lodging Educational Institute (AHLEI)           |                        |
| <a href="#"><u>Child Development Associate (CDA) Assessment</u></a>                                                                                             | The Council for Professional Recognition                           | <b>X</b>               |

| <b>FAMILY AND CONSUMER SCIENCES<br/>NAME OF CREDENTIAL</b>                                                         | <b>ISSUING ORGANIZATION</b>                                        | <b>HIGH<br/>DEMAND</b> |
|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|------------------------|
| <a href="#"><u>Commercial Foods Assessment</u></a>                                                                 | NOCTI                                                              |                        |
| <a href="#"><u>Culinary Arts Assessment</u></a>                                                                    | American Association of Family and Consumer Sciences (AAFCS)       |                        |
| <a href="#"><u>Culinary Arts Prep Cook Assessment</u></a>                                                          | NOCTI                                                              |                        |
| <a href="#"><u>Early Childhood Education and Care–Advanced Assessment</u></a>                                      | NOCTI                                                              |                        |
| <a href="#"><u>Early Childhood Education and Care–Basic Assessment</u></a>                                         | NOCTI                                                              |                        |
| <a href="#"><u>Early Childhood Education Assessment</u></a>                                                        | American Association of Family and Consumer Sciences (AAFCS)       |                        |
| <a href="#"><u>Education Fundamentals Assessment</u></a>                                                           | American Association of Family and Consumer Sciences (AAFCS)       |                        |
| <a href="#"><u>Family and Community Services Assessment (AAFCS)</u></a>                                            | American Association of Family and Consumer Sciences (AAFCS)       |                        |
| <a href="#"><u>Fashion, Textiles, and Apparel Assessment</u></a>                                                   | American Association of Family and Consumer Sciences (AAFCS)       |                        |
| <a href="#"><u>Food Protection Manager Certification</u></a>                                                       | Always Food Safe                                                   | <b>X</b>               |
| <a href="#"><u>Food Safety &amp; Science Certification Examination</u></a> (also listed in Agricultural Education) | American Meat Science Association (administered by CEV Multimedia) |                        |
| <a href="#"><u>Food Science Fundamentals Assessment</u></a>                                                        | American Association of Family and Consumer Sciences (AAFCS)       |                        |
| <a href="#"><u>Hospitality and Tourism Specialist Examination</u></a> (also listed in Marketing)                   | American Hotel and Lodging Educational Institute (AHLEI)           |                        |
| <a href="#"><u>Hospitality Management–Lodging Assessment</u></a> (also listed in Marketing)                        | NOCTI                                                              |                        |
| <a href="#"><u>Housing and Furnishings Assessment</u></a>                                                          | American Association of Family and Consumer Sciences (AAFCS)       |                        |

| <b>FAMILY AND CONSUMER SCIENCES</b><br><b>NAME OF CREDENTIAL</b>                                                                                                                                      | <b>ISSUING ORGANIZATION</b>                                  | <b>HIGH DEMAND</b> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|--------------------|
| <a href="#"><u>IC3 Digital Literacy Certification Examinations</u></a><br>(also listed in Agricultural Education, Business and Information Technology, Marketing, and Trade and Industrial Education) | Certiport                                                    |                    |
| <a href="#"><u>Interior Design Fundamentals Assessment</u></a>                                                                                                                                        | American Association of Family and Consumer Sciences (AAFCS) |                    |
| <a href="#"><u>Leadership Essentials Assessment</u></a>                                                                                                                                               | American Association of Family and Consumer Sciences (AAFCS) |                    |
| <a href="#"><u>Nutrition, Food, and Wellness Assessment</u></a>                                                                                                                                       | American Association of Family and Consumer Sciences (AAFCS) |                    |
| <a href="#"><u>ParaPro Assessment</u></a>                                                                                                                                                             | Educational Testing Service (ETS)                            | <b>X</b>           |
| <a href="#"><u>Personal and Family Finance Certification Assessment</u></a>                                                                                                                           | American Association of Family & Consumer Sciences (AAFCS)   |                    |
| <a href="#"><u>Praxis Core Academic Skills for Educators Tests</u></a> (pass all three tests)                                                                                                         | Educational Testing Service (ETS)                            | <b>X</b>           |
| <a href="#"><u>ProStart Certificate of Achievement (COA)</u></a> (pass Level 1 and Level 2)                                                                                                           | National Restaurant Association                              | <b>X</b>           |
| <a href="#"><u>Recreation, Amusements, and Attractions Assessment</u></a> (also listed in Marketing)                                                                                                  | NOCTI                                                        |                    |
| <a href="#"><u>ServSafe Food Protection Manager Certification</u></a>                                                                                                                                 | National Restaurant Association                              | <b>X</b>           |

| <b>HEALTH AND MEDICAL SCIENCES</b><br><b>NAME OF CREDENTIAL</b>                   | <b>ISSUING ORGANIZATION</b>             | <b>HIGH DEMAND</b> |
|-----------------------------------------------------------------------------------|-----------------------------------------|--------------------|
| <a href="#"><u>Biotechnician Assistant Certification Examination (BACE)</u></a>   | UF Biotility                            |                    |
| <a href="#"><u>Certified Billing and Coding Specialist (CBCS) Examination</u></a> | National Healthcareer Association (NHA) |                    |
| <a href="#"><u>Certified Clinical Medical Assistant (CCMA) Examination</u></a>    | National Healthcareer Association (NHA) | <b>X</b>           |

| <b>HEALTH AND MEDICAL SCIENCES</b><br><b>NAME OF CREDENTIAL</b>                                                                           | <b>ISSUING ORGANIZATION</b>                                           | <b>HIGH DEMAND</b> |
|-------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|--------------------|
| <a href="#"><u>Certified EKG Technician (CET) Examination</u></a>                                                                         | National Healthcareer Association (NHA)                               | <b>X</b>           |
| <a href="#"><u>Certified Endoscope Reprocessor (CER) Examination</u></a>                                                                  | Healthcare Sterile Processing Association (HSPA)                      |                    |
| <a href="#"><u>Certified Group Fitness Instructor Examination</u></a>                                                                     | National Academy of Sports Medicine (NASM)                            | <b>X</b>           |
| <a href="#"><u>Certified Medical Admin Assistant (CMAA) Examination</u></a> (also listed in Business and Information Technology)          | American Allied Health (AAH)                                          | <b>X</b>           |
| <a href="#"><u>Certified Medical Administrative Assistant (CMAA) Examination</u></a> (also listed in Business and Information Technology) | National Healthcareer Association (NHA)                               | <b>X</b>           |
| <a href="#"><u>Certified Medical Laboratory Assistant (CMLA) Examination</u></a>                                                          | American Medical Technologists (AMT)                                  | <b>X</b>           |
| <a href="#"><u>Certified Patient Care Technician (CPCT) Examination</u></a>                                                               | American Allied Health (AAH)                                          |                    |
| <a href="#"><u>Certified Patient Care Technician (CPCT/A) Examination</u></a>                                                             | National Healthcareer Association (NHA)                               |                    |
| <a href="#"><u>Certified Personal Trainer Examination</u></a>                                                                             | National Academy of Sports Medicine (NASM)                            | <b>X</b>           |
| <a href="#"><u>Certified Pharmacy Technician (CPhT) Examination</u></a>                                                                   | Pharmacy Technician Certification Board                               |                    |
| <a href="#"><u>Certified Phlebotomy Technician (CPT) Examination (AAH)</u></a>                                                            | American Allied Health (AAH)                                          | <b>X</b>           |
| <a href="#"><u>Certified Phlebotomy Technician (CPT) Examination (NHA)</u></a>                                                            | National Healthcareer Association (NHA)                               | <b>X</b>           |
| <a href="#"><u>Certified Physical Therapy Aide (CPTA) Examination</u></a>                                                                 | American Allied Health (AAH)                                          | <b>X</b>           |
| <a href="#"><u>Certified Registered Central Service Technician (CRCST) Examination</u></a>                                                | Healthcare Sterile Processing Association (HSPA)                      | <b>X</b>           |
| <a href="#"><u>Certified Surgical Technologist (CST) Examination</u></a>                                                                  | National Board of Surgical Technology and Surgical Assisting (NBSTSA) |                    |
| <a href="#"><u>Clinical Medical Assistant Certification (CMAC) Examination</u></a>                                                        | American Medical Certification Association (AMCA)                     | <b>X</b>           |
| <a href="#"><u>Corrective Exercise Specialist (CES) Examination</u></a>                                                                   | National Academy of Sports Medicine (NASM)                            | <b>X</b>           |
| <a href="#"><u>Dental Assisting Assessment</u></a>                                                                                        | NOCTI                                                                 |                    |

| <b>HEALTH AND MEDICAL SCIENCES</b><br><b>NAME OF CREDENTIAL</b>                                                                               | <b>ISSUING ORGANIZATION</b>                          | <b>HIGH DEMAND</b> |
|-----------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|--------------------|
| <a href="#"><u>Dental Assisting National Board (DANB) Examinations</u></a> (pass any one exam)                                                | Dental Assisting National Board (DANB)               | <b>X</b>           |
| <a href="#"><u>EKG Technician Certification (ETC) Examination</u></a>                                                                         | American Medical Certification Association (AMCA)    | <b>X</b>           |
| <a href="#"><u>Electronic Health Record Certification (EHRC) Examination</u></a> (also listed in Business and Information Technology)         | American Medical Certification Association (AMCA)    | <b>X</b>           |
| <a href="#"><u>Emergency Telecommunicator Certification (ETC) Examination</u></a> (also listed in Trade and Industrial Education)             | International Academies of Emergency Dispatch (IAED) | <b>X</b>           |
| <a href="#"><u>Examination for Certification of Pharmacy Technicians (ExCPT) (NHA)</u></a>                                                    | National Healthcareer Association (NHA)              |                    |
| <a href="#"><u>Health Assisting Assessment</u></a>                                                                                            | NOCTI                                                |                    |
| <a href="#"><u>Health Informatics Assessment</u></a> (also listed in Business and Information Technology)                                     | NOCTI                                                |                    |
| <a href="#"><u>Medical Administrative Assistant Certification (MAAC) Examination</u></a> (also listed in Business and Information Technology) | American Medical Certification Association (AMCA)    | <b>X</b>           |
| <a href="#"><u>Medical Assisting Assessment</u></a>                                                                                           | NOCTI                                                |                    |
| <a href="#"><u>Medical Coder &amp; Biller Certification (MCBC) Examination</u></a> (also listed in Business and Information Technology)       | American Medical Certification Association (AMCA)    | <b>X</b>           |
| <a href="#"><u>Mental Health Technician Certification (MHTC) Examination</u></a>                                                              | American Medical Certification Association (AMCA)    | <b>X</b>           |
| <a href="#"><u>National Certified ECG Technician (NCET) Examination</u></a>                                                                   | National Center for Competency Testing (NCCT)        |                    |
| <a href="#"><u>National Certified Medical Office Assistant (NCMOA) Examination</u></a>                                                        | National Center for Competency Testing (NCCT)        |                    |
| <a href="#"><u>National Certified Patient Care Technician (NCPCT) Examination</u></a>                                                         | National Center for Competency Testing (NCCT)        |                    |
| <a href="#"><u>National Entry Level Dental Assistant (NELDA) Certification</u></a> (pass all 3 DANB Examinations)                             | Dental Assisting National Board (DANB)               | <b>X</b>           |

| <b>HEALTH AND MEDICAL SCIENCES</b><br><b>NAME OF CREDENTIAL</b>                                | <b>ISSUING ORGANIZATION</b>                                                                      | <b>HIGH DEMAND</b> |
|------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------|
| <a href="#"><u>National Health Science Assessment</u></a>                                      | National Consortium for Health Science Education (administered by Precision Exams by YouScience) |                    |
| <a href="#"><u>Nationally Registered Certified Medical Assistant (NRCMA) Examination</u></a>   | National Association for Health Professionals (NAHP)                                             |                    |
| <a href="#"><u>Nationally Registered Certified Surgical Technician (NRCST) Examination</u></a> | National Association for Health Professionals (NAHP)                                             |                    |
| <a href="#"><u>Nationally Registered Credentialed Dental Assistant (NRCDA) Examination</u></a> | National Association for Health Professionals (NAHP)                                             |                    |
| <a href="#"><u>Nursing Assisting Assessment</u></a>                                            | NOCTI                                                                                            |                    |
| <a href="#"><u>Patient Care Technician (PCT) Examination</u></a>                               | American Medical Technologists (AMT)                                                             |                    |
| <a href="#"><u>Performance Enhancement Specialization (PES) Examination</u></a>                | National Academy of Sports Medicine (NASM)                                                       | <b>X</b>           |
| <a href="#"><u>Phlebotomy Technician Certification (PTC) Examination</u></a>                   | American Medical Certification Association (AMCA)                                                | <b>X</b>           |
| <a href="#"><u>Physical Therapy Technician Certification (PTTC) Examination</u></a>            | American Medical Certification Association (AMCA)                                                |                    |
| <a href="#"><u>Registered Dental Assistant (RDA) Examination</u></a>                           | American Medical Technologists (AMT)                                                             |                    |
| <a href="#"><u>Registered Medical Assistant (RMA) Examination (AAH)</u></a>                    | American Allied Health (AAH)                                                                     | <b>X</b>           |
| <a href="#"><u>Registered Medical Assistant (RMA) Examination (AMT)</u></a>                    | American Medical Technologists (AMT)                                                             | <b>X</b>           |
| <a href="#"><u>Registered Phlebotomy Technician (RPT) Examination</u></a>                      | American Medical Technologists (AMT)                                                             | <b>X</b>           |

| <b>MARKETING</b><br><b>NAME OF CREDENTIAL</b>                          | <b>ISSUING ORGANIZATION</b>                                                       | <b>HIGH DEMAND</b> |
|------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------|
| <a href="#"><u>A*S*K Fundamental Marketing Concepts Assessment</u></a> | ASK Business Institute/MBA Research and Curriculum Center (administered by NOCTI) |                    |

| <b>MARKETING</b><br><b>NAME OF CREDENTIAL</b>                                                                                                                                                                         | <b>ISSUING ORGANIZATION</b>                              | <b>HIGH DEMAND</b> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|--------------------|
| <a href="#"><u>Business of Retail: Operations and Profit Examination</u></a>                                                                                                                                          | NRF Foundation                                           | <b>X</b>           |
| <a href="#"><u>Certified Front Desk Representative Examination</u></a> (also listed in Family & Consumer Sciences)                                                                                                    | American Hotel and Lodging Educational Institute (AHLEI) |                    |
| <a href="#"><u>Certified Guestroom Attendant Examination</u></a> (also listed in Family and Consumer Sciences)                                                                                                        | American Hotel and Lodging Educational Institute (AHLEI) |                    |
| <a href="#"><u>Certified Guest Service Professional Examination</u></a> (also listed in Family & Consumer Sciences)                                                                                                   | American Hotel and Lodging Educational Institute (AHLEI) |                    |
| <a href="#"><u>Certified Hospitality and Tourism Management Professional (CHTMP) Examination</u></a> (Must Pass Level 1 and Level 2) (also listed in Family & Consumer Sciences)                                      | American Hotel and Lodging Educational Institute (AHLEI) | <b>X</b>           |
| <a href="#"><u>Customer Service and Sales Certification Assessment</u></a>                                                                                                                                            | NRF Foundation                                           |                    |
| <a href="#"><u>Hospitality Management–Lodging Assessment</u></a> (also listed in Family and Consumer Sciences)                                                                                                        | NOCTI                                                    |                    |
| <a href="#"><u>Hospitality and Tourism Specialist Examination</u></a> (also listed in Family & Consumer Sciences)                                                                                                     | American Hotel and Lodging Educational Institute (AHLEI) |                    |
| <a href="#"><u>IC3 Digital Literacy Certification Examinations</u></a> (also listed in Agricultural Education, Business and Information Technology, Family and Consumer Sciences, and Trade and Industrial Education) | Certiport                                                |                    |
| <a href="#"><u>Intuit Design for Delight Innovator Certification Examination</u></a>                                                                                                                                  | Certiport                                                |                    |
| <a href="#"><u>Intuit Entrepreneurship and Small Business (ESB) Examination</u></a>                                                                                                                                   | Certiport                                                |                    |
| <a href="#"><u>Meta Certified Digital Marketing Associate Examination</u></a>                                                                                                                                         | Certiport                                                |                    |
| <a href="#"><u>Recreation, Amusements, and Attractions Assessment</u></a> (also listed in Family and Consumer Sciences)                                                                                               | NOCTI                                                    |                    |
| <a href="#"><u>Retail Industry Fundamentals Certification Assessment</u></a>                                                                                                                                          | NRF Foundation                                           |                    |

| <b>MARKETING</b><br><b>NAME OF CREDENTIAL</b>                                                                    | <b>ISSUING ORGANIZATION</b>                                 | <b>HIGH DEMAND</b> |
|------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|--------------------|
| <a href="#">Retail Merchandising Assessment</a>                                                                  | NOCTI                                                       |                    |
| <a href="#">U.S. Entrepreneurship Certification Examination</a>                                                  | Career and Technical Education Consortium of States (CTECS) |                    |
| <a href="#">Virtual Enterprise Certification Assessment</a> (also listed in Business and Information Technology) | Virtual Enterprise International (administered by NOCTI)    |                    |

| <b>MILITARY SCIENCE</b><br><b>NAME OF CREDENTIAL</b>                                                                             | <b>ISSUING ORGANIZATION</b>                        | <b>HIGH DEMAND</b> |
|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|--------------------|
| <a href="#">Armed Services Vocational Aptitude Battery Examination</a><br>(Not eligible for CTE State Entitlement Reimbursement) | United States Military Entrance Processing Command |                    |
| <a href="#">JROTC Leadership and Employability Skills Assessment</a>                                                             | NOCTI                                              |                    |

| <b>TECHNOLOGY AND ENGINEERING EDUCATION</b><br><b>NAME OF CREDENTIAL</b>                                                                                                  | <b>ISSUING ORGANIZATION</b>                    | <b>HIGH DEMAND</b> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|--------------------|
| <a href="#">3DEXPERIENCE SOLIDWORKS Associate Academic Examination</a>                                                                                                    | SOLIDWORKS Corp.                               |                    |
| <a href="#">Additive Manufacturing Essentials Examination</a>                                                                                                             | America Makes (administered by NOCTI)          | <b>X</b>           |
| <a href="#">Adobe Certified Professional Examinations</a> (pass any one exam)<br>(also listed in Business and Information Technology, and Trade and Industrial Education) | Adobe Systems Inc. (administered by Certiport) | <b>X</b>           |
| <a href="#">Architectural Apprentice Drafter Examination</a> (also listed in Trade and Industrial Education)                                                              | American Design Drafting Association (ADDA)    | <b>X</b>           |

| TECHNOLOGY AND ENGINEERING<br>EDUCATION<br><br>NAME OF CREDENTIAL                                                                                                                  | ISSUING ORGANIZATION                                     | HIGH<br>DEMAND |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|----------------|
| <a href="#">Architectural Certified Drafter Examination</a> (also listed in Trade and Industrial Education)                                                                        | American Design Drafting Association (ADDA)              | X              |
| <a href="#">Architectural Drafting Assessment</a> (also listed in Trade and Industrial Education)                                                                                  | NOCTI                                                    |                |
| <a href="#">Associate Certified Electronics Technician (CETa) Basic Electronics Certification</a> (pass all 5 electronics modules) (also listed in Trade and Industrial Education) | Electronics Technicians Association (ETA) International  | X              |
| <a href="#">Autodesk Certified Associate in CAD for Mechanical Design Examination</a>                                                                                              | Autodesk                                                 |                |
| <a href="#">Autodesk Certified Expert in Generative Design for Manufacturing Examination</a>                                                                                       | Autodesk                                                 | X              |
| <a href="#">Autodesk Certified Professional Examinations</a> (pass any one exam) (also listed in Trade and Industrial Education)                                                   | Autodesk                                                 | X              |
| <a href="#">Autodesk Certified User Examinations</a> (pass any one exam) (also listed in Trade and Industrial Education)                                                           | Certiport                                                | X              |
| <a href="#">Business Certificate for Manufacturing Examination</a>                                                                                                                 | Manufacturing Skills Institute (MSI)                     |                |
| <a href="#">CAD Assessment</a> (also listed in Trade and Industrial Education)                                                                                                     | NOCTI                                                    |                |
| <a href="#">Certified Logistics Associate (CLA) 4.0 Examination</a>                                                                                                                | Manufacturing Skills Standards Council (MSSC)            | X              |
| <a href="#">Certified Logistics Technician (CLT) 4.0 Examination</a>                                                                                                               | Manufacturing Skills Standards Council (MSSC)            | X              |
| <a href="#">Certified Production Technician (CPT) 4.0 Assessments</a>                                                                                                              | Manufacturing Skill Standards Council (MSSC)             | X              |
| <a href="#">Certified SOLIDWORKS Associate (CSWA) Examination</a> (also listed in Trade and Industrial Education)                                                                  | SOLIDWORKS Corp.                                         |                |
| <a href="#">Certified SOLIDWORKS Professional (CSWP) Examination</a>                                                                                                               | SOLIDWORKS Corp.                                         |                |
| <a href="#">Digital Video Editor (DVE) Examination</a>                                                                                                                             | Electronics Technicians Association (ETA), International |                |

| <b>TECHNOLOGY AND ENGINEERING<br/>EDUCATION</b>                                                                                                                        | <b>ISSUING ORGANIZATION</b>                              | <b>HIGH<br/>DEMAND</b> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|------------------------|
| <b>NAME OF CREDENTIAL</b>                                                                                                                                              |                                                          |                        |
| <a href="#">Electronics Module: AC (EM2) Examination</a> (also listed in Trade and Industrial Education)                                                               | Electronics Technicians Association (ETA), International |                        |
| <a href="#">Electronics Technology Assessment</a> (also listed in Trade and Industrial Education)                                                                      | NOCTI                                                    |                        |
| <a href="#">Energy Industry Fundamentals Certificate Assessment</a>                                                                                                    | Center for Energy Workforce Development                  |                        |
| <a href="#">FAA Remote Pilot Small Unmanned Aircraft Systems Certification Examination</a> (also listed in Agricultural Education, and Trade and Industrial Education) | PSI/True Talent Enterprise                               | <b>X</b>               |
| <a href="#">GIS Fundamentals Foundation Examination</a>                                                                                                                | Environmental Systems Research Institute (ESRI)          | <b>X</b>               |
| <a href="#">Laboratory Technician Certification Examination</a>                                                                                                        | Manufacturing Skills Institute (MSI)                     |                        |
| <a href="#">MakerBot Operator Exam for Sketch/Design for 3D Printing Comprehensive Examination</a>                                                                     | MakerBot                                                 |                        |
| <a href="#">Manufacturing Specialist Certification Examination</a> (also listed in Trade and Industrial Education)                                                     | Manufacturing Skills Institute (MSI)                     | <b>X</b>               |
| <a href="#">Manufacturing Technician Level 1 (MT1) Certification Examination</a> (also listed in Trade and Industrial Education)                                       | Manufacturing Skills Institute (MSI)                     | <b>X</b>               |
| <a href="#">Manufacturing Technology Assessment</a> (also listed in Trade and Industrial Education)                                                                    | NOCTI                                                    |                        |
| <a href="#">Mechanical Apprentice Drafter Examination</a> (also listed in Trade and Industrial Education)                                                              | American Design Drafting Association (ADDA)              | <b>X</b>               |
| <a href="#">Mechanical Certified Drafter Examination</a> (also listed in Trade and Industrial Education)                                                               | American Design Drafting Association (ADDA)              | <b>X</b>               |
| <a href="#">Mechatronics Systems Certification Examinations</a> (pass any one exam) (also listed in Trade and Industrial Education)                                    | Siemens AG                                               | <b>X</b>               |
| <a href="#">Modeling and Simulation Certification Examination</a>                                                                                                      | National Center for Simulation                           |                        |
| <a href="#">Onshape Certified Associate Examination</a>                                                                                                                | Onshape, Inc.                                            | <b>X</b>               |

| TECHNOLOGY AND ENGINEERING<br>EDUCATION<br><br>NAME OF CREDENTIAL                                                                     | ISSUING ORGANIZATION                                    | HIGH<br>DEMAND |
|---------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----------------|
| <a href="#">Pre-Engineering Certification Examinations</a>                                                                            | Robotics Education Competition (REC) Foundation         |                |
| <a href="#">Pre-Engineering/Engineering Technology Assessment</a>                                                                     | NOCTI                                                   |                |
| <a href="#">Pre-Manufacturing Technician 1 (Pre-MT1) Examination</a> (also listed in Trade and Industrial Education)                  | Manufacturing Skills Institute (MSI)                    | <b>X</b>       |
| <a href="#">Project Lead the Way End-of-Course Assessments</a> (Pass any one end-of-course test)                                      | Project Lead the Way                                    |                |
| <a href="#">Rapid Prototyping &amp; 3D Design Beginner Certification Examination</a>                                                  | Digital Quest                                           |                |
| <a href="#">Robotics Certification Examinations</a> (pass Fundamentals and 3 modules) (also listed in Trade and Industrial Education) | Robotics Education Competition (REC) Foundation         |                |
| <a href="#">Smart Automation Associate Certifications</a> (pass any one exam) (also listed in Trade and Industrial Education)         | Smart Automation Certification Alliance (SACA)          |                |
| <a href="#">Smart Manufacturing and Advanced Robotics Training (SMART) Certification Examination</a>                                  | Carnegie Mellon Robotics Academy                        |                |
| <a href="#">Stratasys Additive Manufacturing Certification–Level 1 Examination</a>                                                    | Stratasys                                               |                |
| <a href="#">Student Electronics Technician (SET) Examination</a> (also listed in Trade and Industrial Education)                      | Electronics Technicians Association (ETA) International |                |
| <a href="#">Toon Boom Certified Associate Harmony Examinations</a> (pass any one exam)                                                | Toon Boom Animation                                     |                |
| <a href="#">Unity Certified User Examinations</a> (pass any one exam) (also listed in Business and Information Technology)            | Unity Technologies (administered by Certiport)          | <b>X</b>       |

| <b>TRADE AND INDUSTRIAL EDUCATION</b><br><b>NAME OF CREDENTIAL</b>                                                                                                                              | <b>ISSUING ORGANIZATION</b>                                | <b>HIGH DEMAND</b> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|--------------------|
| <a href="#"><u>A+ Certification Examination</u></a> (also listed in Business and Information Technology)                                                                                        | CompTIA                                                    | <b>X</b>           |
| <a href="#"><u>Adobe Certified Professional Examinations</u></a> (pass any one exam) (also listed in Business and Information Technology, and Technology and Engineering Education)             | Adobe Systems Inc. (administered by Certiport)             | <b>X</b>           |
| <a href="#"><u>Advertising and Design Assessment</u></a>                                                                                                                                        | NOCTI                                                      |                    |
| <a href="#"><u>Air Cooled Engine Gasoline Engines Expert Technician Test</u></a>                                                                                                                | Kohler Engines                                             |                    |
| <a href="#"><u>Architectural Apprentice Drafter Examination</u></a> (also listed in Technology and Engineering Education)                                                                       | American Design Drafting Association (ADDA)                | <b>X</b>           |
| <a href="#"><u>Architectural Certified Drafter Examination</u></a> (also listed in Technology and Engineering Education)                                                                        | American Design Drafting Association (ADDA)                | <b>X</b>           |
| <a href="#"><u>Architectural Drafting Assessment</u></a> (also listed in Technology and Engineering Education)                                                                                  | NOCTI                                                      |                    |
| <a href="#"><u>ASE Certification Examinations</u></a> (pass any one exam)                                                                                                                       | National Institute for Automotive Service Excellence (ASE) | <b>X</b>           |
| <a href="#"><u>ASE Entry-Level Certification Tests</u></a> (pass any one test)                                                                                                                  | National Institute for Automotive Service Excellence (ASE) | <b>X</b>           |
| <a href="#"><u>ASE High-Voltage Electrical Safety Standards (xEV) Examination</u></a>                                                                                                           | National Institute for Automotive Service Excellence (ASE) | <b>X</b>           |
| <a href="#"><u>ASE Refrigerant Recovery &amp; Recycling (EPA 609) Examination</u></a>                                                                                                           | National Institute for Automotive Service Excellence (ASE) | <b>X</b>           |
| <a href="#"><u>Associate Certified Electronics Technician (CETa) Basic Electronics Certification</u></a> (pass all 5 electronics modules) (also listed in Technology and Engineering Education) | Electronics Technicians Association (ETA) International    | <b>X</b>           |
| <a href="#"><u>Autodesk Certified Professional Examinations</u></a> (pass any one exam) (also listed in Technology and Engineering Education)                                                   | Autodesk                                                   | <b>X</b>           |
| <a href="#"><u>Autodesk Certified User Examinations</u></a> (pass any one exam) (also listed in Technology and Engineering Education)                                                           | Certiport                                                  | <b>X</b>           |

| <b>TRADE AND INDUSTRIAL EDUCATION<br/>NAME OF CREDENTIAL</b>                                                                         | <b>ISSUING ORGANIZATION</b>                                      | <b>HIGH<br/>DEMAND</b> |
|--------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|------------------------|
| <a href="#">Automotive Technician-Core Assessment</a>                                                                                | NOCTI                                                            |                        |
| <a href="#">Avid Certified Associate Examinations</a>                                                                                | Avid Technology, Inc/ Rowman & Littlefield                       |                        |
| <a href="#">Avid Certified Professional Examinations</a> (pass any one exam)<br>(also listed in Business and Information Technology) | Avid Technology, Inc                                             | <b>X</b>               |
| <a href="#">Avid Certified Specialist Examinations</a> (pass any one exam)<br>(also listed in Business and Information Technology)   | Avid Technology, Inc                                             | <b>X</b>               |
| <a href="#">Broadcasting and Journalism Assessment</a>                                                                               | NOCTI                                                            |                        |
| <a href="#">Building Construction Occupations Assessment</a> (also listed in<br>Agricultural Education)                              | NOCTI                                                            |                        |
| <a href="#">Building Trades Maintenance Assessment</a>                                                                               | NOCTI                                                            |                        |
| <a href="#">CAD Assessment</a> (also listed in Technology and Engineering<br>Education)                                              | NOCTI                                                            |                        |
| <a href="#">Carpentry Assessment</a> (also listed in Agricultural Education)                                                         | NOCTI                                                            |                        |
| <a href="#">Carpentry Level One Assessment</a> (also listed in Agricultural Ed-<br>ucation)                                          | National Center for Construction Education &<br>Research (NCCER) | <b>X</b>               |
| <a href="#">Carpentry Level Two Assessment</a>                                                                                       | National Center for Construction Education &<br>Research (NCCER) | <b>X</b>               |
| <a href="#">Certified Cybersecurity Technician (CCT) Examination</a> (also<br>listed in Business and Information Technology)         | EC-Council                                                       | <b>X</b>               |
| <a href="#">Certified Network Defender (CND) Examination</a> (also listed in<br>Business and Information Technology)                 | EC-Council                                                       | <b>X</b>               |
| <a href="#">Certified Satellite Installer (CSI) Examination</a>                                                                      | Electronics Technicians Association (ETA) Inter-<br>national     |                        |
| <a href="#">Certified SOLIDWORKS Associate (CSWA) Examination</a> (also<br>listed in Technology and Engineering Education)           | SOLIDWORKS Corp.                                                 |                        |
| <a href="#">Cisco Certified CyberOps Associate Examination</a>                                                                       | Cisco Systems Inc.                                               | <b>X</b>               |
| <a href="#">Cisco Certified DevNet Associate Examination</a>                                                                         | Cisco Systems Inc.                                               | <b>X</b>               |

| <b>TRADE AND INDUSTRIAL EDUCATION<br/>NAME OF CREDENTIAL</b>                                                                          | <b>ISSUING ORGANIZATION</b>                                     | <b>HIGH<br/>DEMAND</b> |
|---------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|------------------------|
| <a href="#"><u>Cisco Certified Networking Associate (CCNA) Examination</u></a>                                                        | Cisco Systems Inc.                                              | <b>X</b>               |
| <a href="#"><u>Collision Repair and Refinishing Technology Assessment</u></a>                                                         | NOCTI                                                           |                        |
| <a href="#"><u>Collision Repair Assessment</u></a>                                                                                    | NOCTI                                                           |                        |
| <a href="#"><u>CompTIA Cybersecurity Analyst (CySA+) Certification Examination</u></a>                                                | CompTIA                                                         |                        |
| CompTIA Tech+ (also listed in Business and Information Technology) (formerly IT Fundamentals (ITF+))                                  | CompTIA                                                         | <b>X</b>               |
| <a href="#"><u>Computer-Aided Manufacturing (CAM) – Level 1 Examinations</u></a> (pass any one exam)                                  | National Institute for Metalworking Skills Inc. (NIMS)          | <b>X</b>               |
| <a href="#"><u>Computer Hacking Forensic Investigator (CHFI) Examination</u></a> (also listed in Business and Information Technology) | EC-Council                                                      | <b>X</b>               |
| <a href="#"><u>Computer Networking Fundamentals Assessment</u></a> (also listed in Business and Information Technology)               | NOCTI                                                           |                        |
| <a href="#"><u>Computer Repair Technology Assessment</u></a>                                                                          | NOCTI                                                           |                        |
| <a href="#"><u>Computer Service Technician (CST) Examination</u></a>                                                                  | Electronics Technicians Association (ETA) International         | <b>X</b>               |
| <a href="#"><u>Computer Technology Assessment</u></a> (also listed in Business and Information Technology)                            | NOCTI                                                           |                        |
| <a href="#"><u>Construction Masonry–Brick Assessment</u></a> (also listed in Agricultural Education)                                  | NOCTI                                                           |                        |
| <a href="#"><u>Construction Technology Assessment</u></a> (also listed in Agricultural Education)                                     | National Center for Constructional Education & Research (NCCER) | <b>X</b>               |
| <a href="#"><u>Core: Introduction to Basic Construction Skills Assessment</u></a>                                                     | National Center for Construction Education & Research (NCCER)   |                        |
| <a href="#"><u>Cosmetology Assessment</u></a>                                                                                         | NOCTI                                                           |                        |
| <a href="#"><u>Criminal Justice Assessment</u></a>                                                                                    | NOCTI                                                           |                        |
| <a href="#"><u>Data Cabling Installer (DCI) Examination</u></a>                                                                       | Electronics Technicians Association (ETA) International         |                        |

| <b>TRADE AND INDUSTRIAL EDUCATION<br/>NAME OF CREDENTIAL</b>                                                                         | <b>ISSUING ORGANIZATION</b>                                   | <b>HIGH<br/>DEMAND</b> |
|--------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|------------------------|
| <a href="#"><u>Digital Forensics Essentials (DFE) Examination</u></a> (also listed in Business and Information Technology)           | EC-Council                                                    |                        |
| <a href="#"><u>Dimensional Measurements/Quality Inspector Examination</u></a>                                                        | National Institute for Metal Working Skills (NIMS)            | <b>X</b>               |
| <a href="#"><u>EC-Council Certified Incident Handler (ECIH) Examination</u></a> (also listed in Business and Information Technology) | EC-Council                                                    | <b>X</b>               |
| <a href="#"><u>EETC Technician Certification Tests</u></a> (pass any one test) (also listed in Agricultural Education)               | Equipment and Engine Training Council (EETC)                  | <b>X</b>               |
| <a href="#"><u>Electrical Construction Technology Assessment</u></a> (also in Agricultural Education)                                | NOCTI                                                         |                        |
| <a href="#"><u>Electrical Level One Assessment</u></a>                                                                               | National Center for Construction Education & Research (NCCER) | <b>X</b>               |
| <a href="#"><u>Electrical Level Two Assessment</u></a>                                                                               | National Center for Construction Education & Research (NCCER) | <b>X</b>               |
| <a href="#"><u>Electrical Occupations Assessment</u></a>                                                                             | NOCTI                                                         |                        |
| <a href="#"><u>Electronics Assessment</u></a>                                                                                        | NOCTI                                                         |                        |
| <a href="#"><u>Electronics Technology Assessment</u></a> (also listed in Technology and Engineering Education)                       | NOCTI                                                         |                        |
| <a href="#"><u>Electronics Module: AC (EM2) Examination</u></a> (also listed in Technology and Engineering Education)                | Electronics Technicians Association (ETA) International       |                        |
| <a href="#"><u>Electronics Module: Analog (EM3) Examination</u></a>                                                                  | Electronics Technicians Association (ETA) International       |                        |
| <a href="#"><u>Electronics Module: Comprehensive (EM5) Examination</u></a>                                                           | Electronics Technicians Association (ETA) International       |                        |
| <a href="#"><u>Electronics Module: DC (EM1) Examination</u></a>                                                                      | Electronics Technicians Association (ETA) International       |                        |
| <a href="#"><u>Electronics Module: Digital (EM4) Examination</u></a>                                                                 | Electronics Technicians Association (ETA) International       |                        |
| <a href="#"><u>Emergency Telecommunicator Certification (ETC) Examination</u></a> (also listed in Health and Medical Sciences)       | International Academies of Emergency Dispatch (IAED)          | <b>X</b>               |

| TRADE AND INDUSTRIAL EDUCATION<br>NAME OF CREDENTIAL                                                                                                                         | ISSUING ORGANIZATION                                              | HIGH<br>DEMAND |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|----------------|
| <a href="#">EPA Technician Examinations</a> (pass core plus any type)                                                                                                        | Environmental Protection Agency (HVAC Excellence/ Esco Institute) | X              |
| <a href="#">Ethical Hacking Essentials (EHE) Examination</a> (also listed in Business and Information Technology)                                                            | EC-Council                                                        |                |
| <a href="#">FAA Remote Pilot Small Unmanned Aircraft Systems Certification Examination</a> (also listed in Agricultural Education, and Technology and Engineering Education) | PSI/True Talent Enterprise                                        | X              |
| <a href="#">FANUC Certified Robot Operator with ROBOGUIDE Assessment</a>                                                                                                     | FANUC (administered by NOCTI)                                     |                |
| <a href="#">Festo NC3 Introduction to Mechatronics STEM Lab Certification</a>                                                                                                | NC3 National Coalition of Certification Centers                   |                |
| <a href="#">Festo NC3 Level 1: Fundamentals Certifications</a> (pass any one exam)                                                                                           | NC3 National Coalition of Certification Centers                   | X              |
| <a href="#">Fiber Optics Installer (FOI) Examination</a>                                                                                                                     | Electronics Technicians Association (ETA) International           |                |
| <a href="#">Firefighter I Certification Exam</a>                                                                                                                             | Virginia Department of Fire Programs                              | X              |
| <a href="#">Firefighter II Certification Exam</a>                                                                                                                            | Virginia Department of Fire Programs                              | X              |
| <a href="#">Flux Core Arc Welding (FCAW) Examination</a> (also listed in Agricultural Education)                                                                             | American Welding Society (AWS)                                    | X              |
| <a href="#">Gas Heating Service Examination</a>                                                                                                                              | North American Technician Excellence (NATE)                       | X              |
| <a href="#">Gas Metal Arc Welding (GMAW) Examination</a> (also listed in Agricultural Education)                                                                             | American Welding Society (AWS)                                    | X              |
| <a href="#">Gas Tungsten Arc Welding (GTAW) Examination</a> (also listed in Agricultural Education)                                                                          | American Welding Society (AWS)                                    | X              |
| <a href="#">General Communications Technician–Level 1 (GCT1) Examination</a>                                                                                                 | Electronics Technicians Association (ETA) International           |                |
| <a href="#">HBI Pre-Apprenticeship Certificate Training (PACT) Assessments</a> (pass any one exam)                                                                           | Home Builders Institute (HBI) (administered by NOCTI)             |                |

| TRADE AND INDUSTRIAL EDUCATION<br>NAME OF CREDENTIAL                                                                                                                                      | ISSUING ORGANIZATION                                          | HIGH<br>DEMAND |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|----------------|
| <a href="#">HBI/NAHB Residential Construction Academy (RCA) Series Student Certification Assessments</a> (pass any one exam)                                                              | Home Builders Institute (HBI) (administered by NOCTI)         |                |
| <a href="#">Heat Pump Service Examination</a>                                                                                                                                             | North American Technician Excellence (NATE)                   | X              |
| <a href="#">Heating, Electrical, Air Conditioning Technology (HEAT) Examination</a>                                                                                                       | HVAC Excellence                                               | X              |
| <a href="#">Heating, Ventilation, Air Conditioning, and Refrigeration (HVAC/R) Assessment</a>                                                                                             | NOCTI                                                         |                |
| <a href="#">Heating, Ventilation, and Air Conditioning (HVAC) Assessment</a>                                                                                                              | NOCTI                                                         |                |
| <a href="#">Heavy Equipment Operations Level One Assessment</a>                                                                                                                           | National Center for Construction Education & Research (NCCER) | X              |
| <a href="#">Heavy Equipment Operations Level Two Assessment</a>                                                                                                                           | National Center for Construction Education & Research (NCCER) | X              |
| <a href="#">HVAC Excellence Employment Ready Examinations</a> (pass any one exam)                                                                                                         | HVAC Excellence                                               | X              |
| <a href="#">HVAC Excellence Specialty Examinations</a> (pass any one exam)                                                                                                                | HVAC Excellence                                               | X              |
| <a href="#">HVACR Level One Assessment</a>                                                                                                                                                | National Center for Construction Education & Research (NCCER) | X              |
| <a href="#">HVACR Level Two Assessment</a>                                                                                                                                                | National Center for Construction Education & Research (NCCER) | X              |
| <a href="#">IC3 Digital Literacy Certification Examinations</a> (also listed in Agricultural Education, Business and Information Technology, Family and Consumer Sciences, and Marketing) | Certiport                                                     |                |
| <a href="#">Industrial Technology Maintenance–Level 1 Examinations</a> (pass any one exam)                                                                                                | National Institute for Metalworking Skills (NIMS)             | X              |
| <a href="#">International Code Council Residential Building Inspector (B1) Examination</a>                                                                                                | International Code Council (ICC)                              | X              |
| <a href="#">International Code Council Residential Electrical Inspector (E1) Examination</a>                                                                                              | International Code Council (ICC)                              | X              |

| <b>TRADE AND INDUSTRIAL EDUCATION</b><br><b>NAME OF CREDENTIAL</b>                                                                               | <b>ISSUING ORGANIZATION</b>                                      | <b>HIGH DEMAND</b> |
|--------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|--------------------|
| <a href="#"><u>International Code Council Residential Mechanical (HVAC) Inspector (M1) Examination</u></a>                                       | International Code Council (ICC)                                 | <b>X</b>           |
| <a href="#"><u>International Code Council Residential Plumbing Inspector (P1) Examination</u></a>                                                | International Code Council (ICC)                                 | <b>X</b>           |
| <a href="#"><u>Machining-Level 1 Examinations</u></a> (pass any one exam with performance component)                                             | National Institute for Metalworking Skills (NIMS)                | <b>X</b>           |
| <a href="#"><u>Manufacturing Specialist Certification Examination</u></a> (also listed in Technology and Engineering Education)                  | Manufacturing Skills Institute (MSI)                             | <b>X</b>           |
| <a href="#"><u>Manufacturing Technician Level 1 (MT1) Certification Examination</u></a> (also listed in Technology and Engineering Education)    | Manufacturing Skills Institute (MSI)                             | <b>X</b>           |
| <a href="#"><u>Manufacturing Technology Assessment</u></a> (also listed in Technology and Engineering Education)                                 | NOCTI                                                            |                    |
| <a href="#"><u>Marine Service Technician Assessment</u></a>                                                                                      | The American Boat & Yacht Council (ABYC) (administered by NOCTI) |                    |
| <a href="#"><u>Masonry Level One Assessment</u></a>                                                                                              | National Center for Construction Education & Research (NCCER)    | <b>X</b>           |
| <a href="#"><u>Master Service Technician Examinations</u></a> (pass all five to earn credential) (also listed in Agricultural Education)         | Briggs & Stratton Corp.                                          | <b>X</b>           |
| <a href="#"><u>Mechanical Apprentice Drafter Examination</u></a> (also listed in Technology and Engineering Education)                           | American Design Drafting Association (ADDA)                      | <b>X</b>           |
| <a href="#"><u>Mechanical Certified Drafter Examination</u></a> (also listed in Technology and Engineering Education)                            | American Design Drafting Association (ADDA)                      | <b>X</b>           |
| <a href="#"><u>Mechatronics Level 1 Assessment</u></a>                                                                                           | NOCTI                                                            |                    |
| <a href="#"><u>Mechatronics Systems Certification Examinations</u></a> (pass any one exam) (also listed in Technology and Engineering Education) | Siemens AG                                                       | <b>X</b>           |
| <a href="#"><u>Network+ Certification Examination</u></a> (also listed in Business and Information Technology)                                   | CompTIA                                                          | <b>X</b>           |
| <a href="#"><u>Network Cabling Specialist Certification Examinations</u></a>                                                                     | C-Tech Associates Inc.                                           | <b>X</b>           |
| <a href="#"><u>Network Defense Essentials (NDE) Examination</u></a> (also listed in Business and Information Technology)                         | EC-Council                                                       | <b>X</b>           |

| <b>TRADE AND INDUSTRIAL EDUCATION<br/>NAME OF CREDENTIAL</b>                                                                                | <b>ISSUING ORGANIZATION</b>                                                                | <b>HIGH<br/>DEMAND</b> |
|---------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------|
| <a href="#">Non-Structural Technician ProLevel 1 Certification Test</a>                                                                     | I-CAR                                                                                      | <b>X</b>               |
| <a href="#">Non-Structural Technician ProLevel 2 Certification Test</a>                                                                     | I-CAR                                                                                      | <b>X</b>               |
| <a href="#">Plumbing-Heating-Cooling Contractors Educational Foundation Examinations</a> (pass any one exam)                                | Plumbing-Heating-Cooling Contractors (PHCC) Educational Foundation (administered by NOCTI) |                        |
| <a href="#">Plumbing Level One Assessment</a>                                                                                               | National Center for Construction Education & Research (NCCER)                              | <b>X</b>               |
| <a href="#">Plumbing Level Two Assessment</a>                                                                                               | National Center for Construction Education & Research (NCCER)                              | <b>X</b>               |
| <a href="#">Pre-Manufacturing Technician 1 (Pre-MT1) Examination</a> (also listed in Technology and Engineering Education)                  | Manufacturing Skills Institute (MSI)                                                       | <b>X</b>               |
| <a href="#">Precision Machining Assessment</a>                                                                                              | NOCTI                                                                                      |                        |
| <a href="#">Principles of Small Engine Technology Certification Examination</a> (also listed in Agricultural Education)                     | Equipment & Engine Training Council (EETC) (administered by CEV Multimedia)                |                        |
| <a href="#">Print[ED] Certification Examinations</a> (pass any one exam)                                                                    | Graphic Arts Education and Research Foundation (administered by SkillsUSA)                 |                        |
| <a href="#">Professional Communications Certification Examination</a> (also listed in Agricultural Education)                               | Southwest Airlines (administered by CEV Multimedia)                                        |                        |
| <a href="#">Refinish Technician ProLevel 1 Certification Test</a>                                                                           | I-CAR                                                                                      | <b>X</b>               |
| <a href="#">Refinish Technician ProLevel 2 Certification Test</a>                                                                           | I-CAR                                                                                      | <b>X</b>               |
| <a href="#">Robotics Certification Examinations</a> (pass Fundamentals and 3 modules) (also listed in Technology and Engineering Education) | Robotics Education Competition (REC) Foundation                                            |                        |
| <a href="#">Security+ Certification Examination</a> (also listed in Business and Information Technology)                                    | CompTIA                                                                                    | <b>X</b>               |
| <a href="#">SENSE Training Program Certification Examination (Level 1, Entry-Level Welder)</a> (also listed in Agricultural Education)      | American Welding Society (AWS)                                                             | <b>X</b>               |
| <a href="#">Shielded Metal Arc Welding (SMAW) Examination</a> (also listed in Agricultural Education)                                       | American Welding Society (AWS)                                                             | <b>X</b>               |

| <b>TRADE AND INDUSTRIAL EDUCATION</b><br><b>NAME OF CREDENTIAL</b>                                                                         | <b>ISSUING ORGANIZATION</b>                                   | <b>HIGH DEMAND</b> |
|--------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|--------------------|
| <a href="#"><u>Small Engine Technology Assessment</u></a> (also listed in Agricultural Education)                                          | NOCTI                                                         |                    |
| <a href="#"><u>Smart Automation Associate Certifications</u></a> (pass any one exam) (also listed in Technology and Engineering Education) | Smart Automation Certification Alliance (SACA)                |                    |
| <a href="#"><u>Solid Edge Mechanical Associate Level Certification Examination</u></a>                                                     | Siemens/Tom White & Associates                                | <b>X</b>           |
| <a href="#"><u>Student Electronics Technician (SET) Examination</u></a> (also listed in Technology and Engineering Education)              | Electronics Technicians Association (ETA) International       |                    |
| <a href="#"><u>Technical Drafting Assessment</u></a>                                                                                       | NOCTI                                                         |                    |
| <a href="#"><u>Television Production Assessment</u></a>                                                                                    | NOCTI                                                         |                    |
| <a href="#"><u>Virginia Official Safety Inspector Class A Examination</u></a>                                                              | Virginia State Police                                         | <b>X</b>           |
| <a href="#"><u>Visual Communications and Multimedia Design Assessment</u></a>                                                              | NOCTI                                                         |                    |
| <a href="#"><u>Welding Assessment</u></a> (also listed in Agricultural Education)                                                          | NOCTI                                                         |                    |
| <a href="#"><u>Welding Level One Assessment</u></a> (also listed in Agricultural Education)                                                | National Center for Construction Education & Research (NCCER) | <b>X</b>           |
| <a href="#"><u>Yamaha Maintenance Certification: Introduction to Outboard Systems Examination</u></a>                                      | Yamaha Marine University                                      |                    |

| <b>PROFESSIONAL LICENSES</b><br><b>NAME OF CREDENTIAL</b>                    | <b>ISSUING ORGANIZATION</b>                                                                        | <b>HIGH DEMAND</b> |
|------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|--------------------|
| <a href="#"><u>Virginia Master Barber Examination</u></a>                    | Board of Barbers and Cosmetology (Virginia Department of Professional and Occupational Regulation) | <b>X</b>           |
| <a href="#"><u>Certified Commercial Pesticide Applicator Examination</u></a> | Virginia Department of Agriculture and Consumer Services                                           | <b>X</b>           |

| <b>PROFESSIONAL LICENSES</b><br><b>NAME OF CREDENTIAL</b>                        | <b>ISSUING ORGANIZATION</b>                                                                        | <b>HIGH DEMAND</b> |
|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|--------------------|
| <a href="#">Certified Nurse Aide Examination</a>                                 | Virginia Board of Nursing                                                                          | X                  |
| <a href="#">Certified Private Applicator Examination</a>                         | Virginia Department of Agriculture and Consumer Services                                           | X                  |
| <a href="#">Certified Registered Technician Pesticide Applicator Examination</a> | Virginia Department of Agriculture and Consumer Services                                           |                    |
| <a href="#">Emergency Medical Responder Examination</a>                          | Department of Health, Office of Emergency Medical Services                                         |                    |
| <a href="#">Emergency Medical Technician Examination</a>                         | Department of Health, Office of Emergency Medical Services                                         | X                  |
| <a href="#">FAA Private Pilot Written Test</a>                                   | Federal Aviation Administration                                                                    | X                  |
| <a href="#">Licensed Practical Nurse Examination</a>                             | Virginia Board of Nursing                                                                          | X                  |
| <a href="#">Nail Technician Examination</a>                                      | Board of Barbers and Cosmetology (Virginia Department of Professional and Occupational Regulation) | X                  |
| <a href="#">Real Estate Salesperson Examination</a>                              | Virginia Real Estate Board (Virginia Department of Professional and Occupational Regulation)       | X                  |
| <a href="#">Virginia Cosmetology Examination</a>                                 | Board of Barbers and Cosmetology (Virginia Department of Professional and Occupational Regulation) | X                  |

| <b>EXAMINATIONS</b><br><b>NAME OF CREDENTIAL</b>                                | <b>ISSUING ORGANIZATION</b> | <b>HIGH DEMAND</b> |
|---------------------------------------------------------------------------------|-----------------------------|--------------------|
| <a href="#">Advanced Placement (AP) Computer Science A Examination</a>          | The College Board           |                    |
| <a href="#">Advanced Placement (AP) Computer Science Principles Examination</a> | The College Board           |                    |

| <b>EXAMINATIONS</b><br><b>NAME OF CREDENTIAL</b>                                                    | <b>ISSUING ORGANIZATION</b>                  | <b>HIGH DEMAND</b> |
|-----------------------------------------------------------------------------------------------------|----------------------------------------------|--------------------|
| <a href="#"><u>College Level Examination Program (CLEP): Financial Accounting Examination</u></a>   | The College Board                            |                    |
| <a href="#"><u>College Level Examination Program (CLEP): Information Systems</u></a>                | The College Board                            |                    |
| <a href="#"><u>College Level Examination Program (CLEP): Introductory Business Law</u></a>          | The College Board                            |                    |
| <a href="#"><u>College Level Examination Program (CLEP): Principles of Management</u></a>           | The College Board                            |                    |
| <a href="#"><u>College Level Examination Program (CLEP): Principles of Marketing</u></a>            | The College Board                            |                    |
| <a href="#"><u>International Baccalaureate Business Management (Higher Level)</u></a>               | The International Baccalaureate Organization |                    |
| <a href="#"><u>International Baccalaureate Business Management (Standard Level) Certificate</u></a> | The International Baccalaureate Organization |                    |
| <a href="#"><u>International Baccalaureate Computer Science (Higher Level) Certificate</u></a>      | The International Baccalaureate Organization |                    |
| <a href="#"><u>International Baccalaureate Computer Science (Standard Level) Certificate</u></a>    | The International Baccalaureate Organization |                    |
| <a href="#"><u>International Baccalaureate Design Technology (Higher Level) Certificate</u></a>     | The International Baccalaureate Organization |                    |
| <a href="#"><u>International Baccalaureate Design Technology (Standard Level) Certificate</u></a>   | The International Baccalaureate Organization |                    |
| <a href="#"><u>International Baccalaureate Digital Society (Higher Level) Certificate</u></a>       | The International Baccalaureate Organization |                    |
| <a href="#"><u>International Baccalaureate Digital Society (Standard Level) Certificate</u></a>     | The International Baccalaureate Organization |                    |

| <b>DELETIONS—AGRICULTURAL<br/>EDUCATION</b> | <b>ISSUING ORGANIZATION</b> | <b>HIGH<br/>DEMAND</b> |
|---------------------------------------------|-----------------------------|------------------------|
| <b>NAME OF CREDENTIAL</b>                   |                             |                        |
| Agricultural Biotechnology Assessment       | NOCTI                       |                        |
| Floriculture Assessment                     | NOCTI                       |                        |
| Floriculture- Greenhouse Assessment         | NOCTI                       |                        |
| Natural Resources Systems Assessment        | NOCTI                       |                        |

| <b>DELETIONS—BUSINESS AND<br/>INFORMATION TECHNOLOGY</b> | <b>ISSUING ORGANIZATION</b> | <b>HIGH<br/>DEMAND</b> |
|----------------------------------------------------------|-----------------------------|------------------------|
| <b>NAME OF CREDENTIAL</b>                                |                             |                        |
| Banking and Related Services Assessment                  | NOCTI                       |                        |
| IT Fundamentals Pro Examination                          | TestOut Corporation         |                        |
| Network Pro Certification Examination                    | TestOut Corporation         |                        |
| PC Pro Certification Examination                         | TestOut Corporation         |                        |

| <b>DELETIONS—FAMILY AND CONSUMER SCIENCES</b>        | <b>ISSUING ORGANIZATION</b> | <b>HIGH<br/>DEMAND</b> |
|------------------------------------------------------|-----------------------------|------------------------|
| <b>NAME OF CREDENTIAL</b>                            |                             |                        |
| Education and Training Assessment                    | NOCTI                       |                        |
| Hospitality Management- Food and Beverage Assessment | NOCTI                       |                        |
| Restaurant, Food and Beverage Services Assessment    | NOCTI                       |                        |

| <b>DELETIONS—HEALTH AND MEDICAL SCIENCES</b><br><b>NAME OF CREDENTIAL</b> | <b>ISSUING ORGANIZATION</b>                          | <b>HIGH<br/>DEMAND</b> |
|---------------------------------------------------------------------------|------------------------------------------------------|------------------------|
| Diagnostic Services Assessment                                            | NOCTI                                                |                        |
| Medical Assistant Certification (MAC) Examination                         | American Medical Certification Association<br>(AMCA) | <b>X</b>               |
| Practical Nursing Assessment                                              | NOCTI                                                |                        |
| Therapeutic Services Assessment                                           | NOCTI                                                |                        |

| <b>DELETIONS—MARKETING</b><br><b>NAME OF CREDENTIAL</b> | <b>ISSUING ORGANIZATION</b> | <b>HIGH<br/>DEMAND</b> |
|---------------------------------------------------------|-----------------------------|------------------------|
| Lodging Assessment                                      | NOCTI                       |                        |

| <b>DELETIONS—TECHNOLOGY AND<br/>ENGINEERING EDUCATION</b><br><b>NAME OF CREDENTIAL</b> | <b>ISSUING ORGANIZATION</b> | <b>HIGH<br/>DEMAND</b> |
|----------------------------------------------------------------------------------------|-----------------------------|------------------------|
| Mechanical Drafting and Design Assessment                                              | NOCTI                       |                        |

| <b>DELETIONS—TRADE AND INDUSTRIAL EDUCATION</b><br><b>NAME OF CREDENTIAL</b> | <b>ISSUING ORGANIZATION</b> | <b>HIGH<br/>DEMAND</b> |
|------------------------------------------------------------------------------|-----------------------------|------------------------|
| Automotive Technician Advanced Assessment                                    | NOCTI                       |                        |

| <b>DELETIONS—TRADE AND INDUSTRIAL EDUCATION<br/>NAME OF CREDENTIAL</b> | <b>ISSUING ORGANIZATION</b> | <b>HIGH<br/>DEMAND</b> |
|------------------------------------------------------------------------|-----------------------------|------------------------|
| CAD-CAM Assessment                                                     | NOCTI                       |                        |
| Construction Masonry- Block Assessment                                 | NOCTI                       |                        |
| Emergency and Fire Management Services Assessment                      | NOCTI                       |                        |
| Emergency Medical Services Assessment                                  | NOCTI                       |                        |
| Industrial Electricity Assessment                                      | NOCTI                       |                        |
| Protective Services Assessment                                         | NOCTI                       |                        |