| **Virginia Board of Education Agenda Item** | **Seal of the Commonwealth of Virginia** |
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# Agenda Item: J

## Date: March 22, 2018

### Title: First Review of Revisions to the List of 2018-2019 Board of Education Approved Industry Certifications, Occupational Competency Assessments, and Professional Licenses

#### Presenter: Mr. George R. Willcox, Acting Director, Office of Career, Technical, and Adult Education

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## Purpose of Presentation:

Action required by Board of Education regulation.

## Executive Summary:

The process for reviewing and validating industry credentials for the purpose of awarding verified credit is based on the following criteria: 1) the test must be standardized and graded independently of the school or school division in which the test is given; 2) the test must be knowledge based; 3) the test must be administered on a statewide, multistate or international basis, or administered as part of another state’s accountability assessment program; and 4) to be counted in a specific academic area, the test must measure content that incorporates or exceeds the Standards of Learning content in the course for which verified credit is given. Important to this process is ensuring that the credential is relevant and recognized in the workplace.

The attached list of **418,** including **20** additional industry or trade association certification examinations, professional licenses, and occupational competency assessments, meets the Board’s graduation requirements as identified for the Standard and Advanced Studies Diplomas in [8VAC20-131-50](https://law.lis.virginia.gov/admincode/title8/agency20/chapter131/section50/) (effective for students entering ninth grade prior to the 2018-2019 school year) and the Board’s graduation requirements as identified for the Standard and Advanced Studies Diplomas in [8VAC20-131-51](https://law.lis.virginia.gov/admincode/title8/agency20/chapter131/section51/) (effective with the students who enter the ninth grade in the 2018-2019 school year). Students shall earn the required standard and verified units of credit described in subdivision 2 of the appropriate subsection.

The attached list of industry credentials also meets the criteria to satisfy requirements for the Career and Technical Education Seal and the Seal of Advanced Mathematics and Technology.

Industry or trade association certification examinations, professional licenses, and occupational competency assessments are continually being revised or discontinued to stay current with technology and new techniques. Technical changes have been made to the credential name or issuing organization of **14** certifications that were previously approved by the Board. In addition, **3** certification examinations are recommended for deletion from the Board-approved list.

These changes may be such that individual certifications are no longer available or no longer meet the Board of Education’s criteria for the student-selected verified credit or the academic specific verified credit, the Standard Diploma’s Career and Technical Education credential or the additional requirements for graduation in accordance with the Standards of Quality, and the diploma seals awards for exemplary student performance in Career and Technical Education and Advanced Mathematics and Technology.

This Board Agenda Item aligns with Board of Education Goal 1 – Accountability for Student Learning: Secondary Students who complete rigorous and relevant CTE programs gain the knowledge and skills needed to earn industry-recognized, in-demand credentials that lead to success in further education and careers.

## Action Requested:

Action will be requested at a future meeting. Specify anticipated date below:

April 26, 2018

## Superintendent’s Recommendation:

The Superintendent of Public Instruction recommends that the Board of Education receive for first review the revised list of industry certification examinations, occupational competency assessments, and licenses to meet the requirements for graduation (effective for the students entering ninth grade prior to the 2018-2019 school year) and requirements for graduation (effective with the students who enter the ninth grade in the 2018-2019 school year).

## Previous Review or Action:

Previous review and action. Specify date and action taken below:

**Dates:** September 28, 2000; April 26, 2001; April 24 & 25, 2002; May 28, 2003; June 25, 2003; February 25, 2004; February 23, 2005; November 30, 2005, November 29, 2006, January 10, 2008, January 15, 2009, January 14, 2010, February 17, 2011, May 24, 2012, June 27, 2013, April 24, 2014, April 23, 2015, April 28, 2016, and May 25, 2017.

**Action:**  Technical changes, additions, and/or deletions were approved to the list of Board-approved certification examinations, assessments, and licenses.

## Background Information and Statutory Authority:

The Regulations Establishing Standards of Accrediting Public Schools in Virginia, [8 VAC20-131-50.](https://law.lis.virginia.gov/admincode/title8/agency20/chapter131/section50/), Requirements for Graduation (Effective for the Students Entering Ninth Grade Prior to the 2018-2019 School Year).

[*8 VAC20-131-50.B.2*](https://law.lis.virginia.gov/admincode/title8/agency20/chapter131/section50/)*. Requirements for a Standard Diploma – Footnotes 5, 6, and 8*

The requirements for a student to earn a diploma and graduate from a Virginia high school shall be those in effect when that student enters the ninth grade for the first time.

Beginning with the ninth-grade class of 2013-2014 and through the ninth-grade class of 2017-2018, students shall earn the required verified units of credit related to the career and technical education industry credentials as follows:

*5 “A student may utilize additional tests for earning verified credit in computer science, technology, career and technical education, economics or other areas as prescribed by the board in* [*8VAC20-131-110*](https://law.lis.virginia.gov/admincode/title8/agency20/chapter131/section110/)*.”*

*6 “Students who complete a career and technical education program sequence and pass an examination or occupational competency assessment in a career and technical education field that confers certification or an occupational competency credential from a recognized industry, or trade or professional association, or acquire a professional license in a career and technical education field from the Commonwealth of Virginia may substitute the certification, competency credential, or license for (i) the student-selected verified credit and (ii) either a science or history and social science verified credit when the certification, license, or credential confers more than one verified credit. The examination or occupational competency assessment must be approved by the board as an additional test to verify student achievement.”*

*8 “Students shall earn a career and technical education credential approved by the Board of Education, 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 satisfy the standard diploma requirements. 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, or the Virginia workplace readiness assessment.”*

[*8 VAC20-131-50. C.2*](https://law.lis.virginia.gov/admincode/title8/agency20/chapter131/section50/)*. Requirements for an Advanced Studies Diploma - Footnotes 6*

*6 “A student may utilize additional tests for earning verified credit in computer science, technology, career or technical education, economics or other areas as prescribed by the board in* [*8VAC20-131-110*](https://law.lis.virginia.gov/admincode/title8/agency20/chapter131/section110/)*.”*

[*8 VAC20-131-110.C*](https://law.lis.virginia.gov/admincode/title8/agency20/chapter131/section110/) *– Standard and Verified Units of Credit*

*“The board may from time to time approve additional tests for the purpose of awarding verified credit. Such additional tests, which enable students to earn verified units of credit, must, at a minimum, meet the following criteria:*

*1. The test must be standardized and graded independently of the school or school division in which the test is given;*

*2. The test must be knowledge based;*

*3. The test must be administered on a statewide, multistate, or international basis, or administered as part of another state's accountability assessment program; and*

*4. To be counted in a specific academic area, the test must measure content that incorporates or exceeds the Standards of Learning content in the course for which verified credit is given.*

[*8 VAC20-131-50. H. 3*](https://law.lis.virginia.gov/admincode/title8/agency20/chapter131/section50/) *– Awards for exemplary student performance*

*Students who demonstrate academic excellence and outstanding achievement may be eligible for the career and technical education awards:*

*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.”*

[*8 VAC20-131-50. H. 4*](https://law.lis.virginia.gov/admincode/title8/agency20/chapter131/section50/) *– Awards for exemplary student performance*

*4. “The Board of Education's Seal of Advanced Mathematics and Technology shall be awarded to students who earn either a Standard Diploma or an Advanced Studies Diploma and (i) satisfy all of the mathematics requirements for the Advanced Studies Diploma (four units of credit including Algebra II; two verified units of credit) with a "B" average or better; and (ii) either (a) pass an examination in a career and technical education field that confers certification from a recognized industry, trade, or professional association; (b) acquire a professional license in a career and technical education field from the Commonwealth of Virginia; or (c) pass an examination approved by the board that confers college-level credit in a technology or computer science area. The board shall approve all professional licenses and examinations used to satisfy these requirements.”*

The *Regulations Establishing Standards for Accrediting Public Schools in Virginia*, [8 VAC20-131-51.](https://law.lis.virginia.gov/admincode/title8/agency20/chapter131/section51/), Requirements for Graduation (Effective with the Students Who Enter the Ninth Grade in the 2018-2019 School Year)

[*8 VAC20-131-51. B. 2*](https://law.lis.virginia.gov/admincode/title8/agency20/chapter131/section51/)*. Requirements for a Standard Diploma*

The requirements for a student to earn a diploma and graduate from a Virginia high school shall be those in effect when that student enters the ninth grade for the first time.

Beginning with the ninth-grade class of 2018-2019 and beyond, students shall earn the required verified units of credit related to the career and technical education industry credentials as follows:

*“Students who complete a career and technical education program sequence and pass an examination or occupational competency assessment in a career and technical education field that confers certification or an occupational competency credential from a recognized industry, or trade or professional association, or acquire a professional license in a career and technical education field from the Commonwealth of Virginia may substitute the certification, competency credential, or license for either a laboratory science or history and social science verified credit when the certification, license, or credential confers more than one verified credit. The examination or occupational competency assessment must be approved by the board as an additional test to verify student achievement.”*

*“In accordance with the Standards of Quality, students shall either (i) complete an Advanced Placement, honors, or International Baccalaureate course, or (ii) earn a career and technical education credential 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 satisfy the standard diploma requirements. 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, or the Virginia workplace readiness assessment.”*

[*8 VAC20-131-51. C.2*](https://law.lis.virginia.gov/admincode/title8/agency20/chapter131/section51/)*. Requirements for an Advanced Studies Diploma*

The requirements for a student to earn a diploma and graduate from a Virginia high school shall be those in effect when that student enters the ninth grade for the first time. Beginning with the ninth-grade class of 2018-2019 and beyond, students shall earn the required verified units of credit related to the career and technical education industry credentials as follows:

*“In accordance with the Standards of Quality, students shall either (i) complete an Advanced Placement, honors, or International Baccalaureate course, or (ii) earn a career and technical education credential 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 satisfy the advanced studies diploma requirements. 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, or the Virginia workplace readiness assessment.”*

[*8 VAC20-131-51. B. 2*](https://law.lis.virginia.gov/admincode/title8/agency20/chapter131/section51/)*… A “verified unit of credit” or “verified credit” is a credit awarded for a course in which a student earns a standard unit of credit and (i) achieves a passing score on a corresponding end-of-course Standards of Learning (SOL) test; (ii) achieves a passing score on an additional test, as defined in* [*8VAC 20-131-5*](https://law.lis.virginia.gov/admincode/title8/agency20/chapter131/section5/) *as part of the Virginia Assessment Program; (iii) meets the criteria for the receipt of a locally awarded verified credit conferred in accordance with board criteria and guidelines as provided in* [*8VAC 20-131-110.B.3*](https://law.lis.virginia.gov/admincode/title8/agency20/chapter131/section110/) *when the student has not passed a corresponding SOL test in English, mathematics, laboratory science, or history and social science; (iv) meets the criteria for the receipt of a verified credit for history and social science by demonstrating mastery of the content of the associated course on an authentic performance assessment, as provided in* [*8VAC20-131-110. B.4*](https://law.lis.virginia.gov/admincode/title8/agency20/chapter131/section110/)*; or (v) meets the criteria for the receipt of a verified credit for English (writing) by demonstrating mastery of the content of the associated course on authentic performance assessments as provided in* [*8VAC20-131-110. B. 5*](https://law.lis.virginia.gov/admincode/title8/agency20/chapter131/section110/)*.*

*No more than one locally awarded verified credit may be used to satisfy these requirements, except as provided in subdivision 3 of this subsection for credit accommodations for students with disabilities.*

[*8 VAC20-131-51. H. 3*](https://law.lis.virginia.gov/admincode/title8/agency20/chapter131/section51/) *– Awards for exemplary student performance .*

*Students who demonstrate academic excellence and outstanding achievement may be eligible for a career and technical education awards:*

*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.”*

[*8 VAC 20-131-51. H. 4*](https://law.lis.virginia.gov/admincode/title8/agency20/chapter131/section51/) *– Awards for exemplary student performance*

*4. “The Board of Education's Seal of Advanced Mathematics and Technology shall be awarded to students who earn either a Standard Diploma or an Advanced Studies Diploma and (i) satisfy all of the mathematics requirements for the Advanced Studies Diploma with a "B" average or better and (ii) pass an examination in a career and technical education field that confers certification from a recognized industry, trade, or professional association; acquire a professional license in a career and technical education field from the Commonwealth of Virginia; or pass an examination approved by the board that confers college-level credit in a technology or computer science area. The board shall approve all professional licenses and examinations used to satisfy these requirements.”*

## Timetable for Further Review/Action:

After final approval, a Superintendent’s Memorandum will notify school divisions of the technical changes and additions to and deletions from the list of industry certifications, occupational competency assessments, and licenses and will be posted on the Virginia Department of Education Web site.

## Impact on Fiscal and Human Resources:

State funds will be used to assist students to become certified. Federal Perkins CTE funds may be used to help teachers, programs, and students become certified.

## TECHNICAL CHANGES:

### Agricultural Education

1. ~~Basic~~ Canine Care & ~~Handling~~ Training Program – Level 1 Certification Examination (Continental Kennel Club, Inc.)
2. Certified Veterinary Assistant Examination – ~~Animal Care Technologies~~ Texas Veterinary Medical Association
3. ~~Outdoor Power Equipment~~ EETC Technician Certification Tests (Pass any one test) (Equipment and Engine Training Council (EETC))

### Family and Consumer Sciences

1. Praxis Core Academic Skills for Education Tests ~~Part I Examination~~ (Pass all three tests) (Educational Testing Service)

### Health and Medical Sciences

1. Certified Dental Assistant and National Entry Level Dental Assistant: Infection Control Examination (ICE) (Dental Assisting National Board, Inc.)
2. Certified Dental Assistant and National Entry Level Dental Assistant: Radiation Health & Safety (RHS) Examination (Dental Assisting National Board, Inc.)
3. National Entry Level ~~Certified~~ Dental Assistant: Anatomy, Morphology and Physiology (AMP) Examination (Dental Assisting National Board, Inc.)
4. National Health Science Assessment (National Consortium for Health Science Education (Administered by Precision Exams))
5. ~~Virginia Pharmacy Technician Examination~~ Certification of Pharmacy Technicians (ExCPT) Examination (Virginia Board of Pharmacy)

### Trade and Industrial Education

1. Avid Certified User for Media Composer Certification Examination (AVID)
2. ASE Collision Repair and Refinishing Technician Examinations ~~(ASE)~~ (Pass any one exam) (see ASE Student Certification Examination) (National Institute for Automotive Service Excellence))
3. Collision Repair ~~Technology~~ Assessment (National Occupational Competency Testing Institute (NOCTI))
4. HBI/NAHB Residential Construction Academy (RCA) Series Student Certification Assessments ~~Examinations~~ (Pass any one exam) (Home Builders Institute (HBI) (Administered by NOCTI))
5. Photovoltaic Installer – Level 1 (PVI1) ~~(PV1-LVL1)~~ Examination (Electronics Technicians Association (ETA) International

## ADDITIONS:

### Agricultural Education

1. Equine Science – Year Certification Examination (Precision Exams)
2. Turfgrass Management Certification Program Examination (Green Industry Web Portal)

### Business and Information Technology

1. Cloud Essentials Certification Examination (CompTIA)

### Health and Medical Sciences Education

1. EKG Technician Certification (ETC) Examination (American Medical Certification Association (AMCA))
2. Medical Assistant Certification (MAC) Examination (American Medical Certification Association (AMCA))
3. Phlebotomy Technician Certification (PTC) Examination (American Medical Certification Association (AMCA))
4. Certified Coding and Billing Specialist (CBCS) Examination (National Healthcare Association (NHA))
5. Certified Patient Care Technician (CPCT/A) Examination (National Healthcare Association (NHA))

### Marketing

1. Retail Industry Fundamentals Certification Assessment (National Retail Federation Foundation)

### Technology Education

1. Autodesk Certified Professional Examination (Autodesk)
2. Modeling and Simulation Certification Examination (National Center for Simulation)
3. Unity Certified Developer Examination (Unity Technologies)

### Trade and Industrial Education

1. Avid Certified Professional for Media Composer Certification Examination (AVID)
2. Cisco Certified Networking Associate (CCNA) Cyber Ops Examination (Cisco Systems, Inc.)
3. Cisco Python Certified Associate Programmer (PCAP) Examination (Cisco Systems, Inc.)
4. Industrial Technology Maintenance – Level I Examinations (National Institute for Metalworking Skills (NIMS)) (also listed in Technology Education - excluded from total count)
5. Marine Service Technician (Inland and Coastal – Core) Assessment (The American Boat & Yacht Council (ABYC) (Administered by NOCTI)
6. Small Unmanned Aircraft System (UAS) Safety Certification Examination (Unmanned Safety Institute)
7. Unarmed Security Officer/Courier Examination (Virginia Department of Criminal Justice Service)
8. Virginia Motor Vehicle Safety Inspection Program Examination (Virginia State Police)

## DELETIONS:

**(Credentials discontinued by providers)**

### Agricultural Education

1. Beef Quality Assurance Certification Assessment (National Beef Quality Assurance/Virginia Cooperative Extension)
2. Conservation Assessment (National Occupational Competency Testing Institute (NOCTI))

### Technology Education

1. ArcGIS Desktop Associate Certification Examination (Environmental Systems Research Institute (ESRI))

# Attachment A

## 2018-2019 BOARD OF EDUCATION APPROVED INDUSTRY CERTIFICATIONS, OCCUPATIONAL COMPETENCY ASSESSMENTS, AND PROFESSIONAL LICENSES

**BOARD APPROVED /\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

One student-selected verified credit may be awarded for passing one certification or licensure examination when the student earns one standard unit of credit in a career and technical education concentration.

Two student-selected verified credits may be awarded for students who complete a career and technical education concentration and pass two certifications or licensure examinations. In accordance with [8VAC20-131-50. B](https://law.lis.virginia.gov/admincode/title8/agency20/chapter131/section50/)., requirements for the Standard Diploma (effective for students entering ninth grade prior to the 2018-2019 school year), the career and technical education industry certification verified credit requirement must first be substituted for the student-selected test5. The second industry certification may be substituted for either a laboratory science or history and social sciences verified credit. Any one certification or licensure examination identified in this document will satisfy the Standard Diploma graduation requirement for the career and technical education credential8. [8VAC20-131-50. C](https://law.lis.virginia.gov/admincode/title8/agency20/chapter131/section50/), Students pursuing the Advanced Studies Diploma6 may utilize additional tests for earning verified credit in computer science, technology, career or technical education, economics or other areas as prescribed by the board in [8VAC20-131-110](https://law.lis.virginia.gov/admincode/title8/agency20/chapter131/section110/).

In accordance with [8VAC20-131-51. B](https://law.lis.virginia.gov/admincode/title8/agency20/chapter131/section51/)., requirements for the Standard Diploma (effective with the students who enter the ninth grade in the 2018-2019 school year and beyond), students who complete a career and technical education program sequence and pass more than one industry certification may substitute it for either a laboratory science or history and social science verified credit when the certification, license, or credential confers more than one verified credit. The examination or occupational competency assessment must be approved by the board as an additional test to verify student achievement.

Additional Requirements for Graduation – [8VAC20-131-51. B](https://law.lis.virginia.gov/admincode/title8/agency20/chapter131/section51/) and C (Standard and Advanced Studies Diplomas)

In accordance with the Standards of Quality, students shall either (i) complete an Advanced Placement, honors, or International Baccalaureate course, or (ii) earn a career and technical education credential 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 satisfy the standard diploma requirements or the advanced studies diploma requirements. The career and technical education credential, when required, could include the successful completion of an industry certification, state licensure examination, a national occupational competency assessment, or the Virginia workplace readiness assessment.

* Students are eligible to earn diploma seals by passing one of the credentials or licensure examinations in this document as well as completing the requirements set forth in [8VAC20-131-50. H. 3, 4](https://law.lis.virginia.gov/admincode/title8/agency20/chapter131/section50/) and [8VAC20-131-51. H. 3,4](https://law.lis.virginia.gov/admincode/title8/agency20/chapter131/section51/).

(For each of the tables below, items with an asterisk (\*) and green highlighted background indicate new credentials.)

| **AGRICULTURAL EDUCATION**  **NAME OF CREDENTIAL** | **ISSUING ORGANIZATION** |
| --- | --- |
| Agricultural Biotechnology Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Agriculture Mechanics Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Animal Systems Assessment | National Occupational Competency Testing Institute (NOCTI) |
| **~~Basic~~** Canine Care & **~~Handling~~ Training Program** - Level 1 Certification Examination | Continental Kennel Club, Inc. |
| Certified Veterinary Assistant Examination | American Allied Health (AAH) |
| Certified Veterinary Assistant Examination | **~~Animal Care Technologies~~** **Texas Veterinary Medical Association** |
| **~~Outdoor Power Equipment~~ EETC** Technician Certification Tests (Pass any one test) | Equipment and Engine Training Council (EETC) |
| * **Equine Science - Year Certification Examination** | **Precision Exams** |
| Floriculture Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Floriculture-Greenhouse Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Food Safety & Science Certification Examination | American Meat Science Association (Administered by iCEV) |
| Forestry Products & Processing Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Fundamentals of Animal Science Certification Examination | Elanco (Administered by iCEV) |
| Greenhouse Operators Certification Examination | Southeast Greenhouse Growers Association/Virginia Flower Growers Association |
| Horticulture-Landscaping Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Landscape Management Certification Examination | Green Industry Web Portal |
| Master Service Technician Examinations (Pass any one exam) | Briggs & Stratton Corporation |
| Meat Evaluation Certification Examination | American Meat Science Association (Administered by iCEV) |
| Natural Resource Systems Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Pet Sitters Certification Examination | National Association Professional Pet Sitters |
| Plant Science Certification Examination | Bayer CropScience (Administered by iCEV) |
| Power Equipment Technology Examination | SkillsUSA |
| Principles of Floral Design Certification Examination | Benz School of Floral Design (Administered by iCEV) |
| Principles of Livestock Selection and Evaluation Certification Examination | National Collegiate Livestock Coaches Association (Administered by iCEV) |
| Production Agriculture Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Professional Communications Certification Examination | Southwest Airlines (Administered by iCEV) |
| Small Animal Science and Technology Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Small Engine Technology Assessment | National Occupational Competency Testing Institute (NOCTI) |
| * **Turfgrass Management Certification Program Examination** | Green Industry Web Portal |
| Urban Forestry Certification Test | Green Industry Web Portal |
| Veterinary Medical Applications Certification Examination | Elanco (Administered by iCEV) |

| **BUSINESS AND INFORMATION TECHNOLOGY**  **NAME OF CREDENTIAL** | **ISSUING ORGANIZATION** |
| --- | --- |
| Accounting—Advanced Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Accounting—Basic Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Administrative Assisting Assessment | National Occupational Competency Testing Institute (NOCTI |
| Administrative Services Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Adobe Certified Associate (ACA) Examinations (Pass any one exam) | Adobe Systems Incorporated |
| Apple Certified Pro Examinations (Pass any one exam) | Apple, Inc. |
| Banking and Related Services Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Business Financial Management Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Business Information Processing Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Certified Electronic Health Record Specialist (CEHRS) Examination | National Healthcareer Association |
| Certified Internet Web (CIW) Advanced HTML5 and CSS3 Specialist Examination | Certification Partners, LLC |
| Certified Internet Web (CIW) Data Analyst Examination | Certification Partners, LLC |
| Certified Internet Web (CIW) Database Design Specialist Examination | Certification Partners, LLC |
| Certified Internet Web (CIW) E-Commerce Services Specialist Examination | Certification Partners, LLC |
| Certified Internet Web (CIW) Internet Business Associate Examination | Certification Partners, LLC |
| Certified Internet Web (CIW) JavaScript Specialist Examination | Certification Partners, LLC |
| Certified Internet Web (CIW) Mobile Application Developer Examination | Certification Partners, LLC |
| Certified Internet Web (CIW) Multimedia Specialist Examination | Certification Partners, LLC |
| Certified Internet Web (CIW) Network Technology Associate Examination | Certification Partners, LLC |
| Certified Internet Web (CIW) Perl Specialist Examination | Certification Partners, LLC |
| Certified Internet Web (CIW) Site Development Associate Examination | Certification Partners, LLC |
| Certified Internet Web (CIW) Social Media Strategist Examination | Certification Partners, LLC |
| Certified Internet Web (CIW) User Interface Designer Examination | Certification Partners, LLC |
| Certified Internet Web (CIW) Web Design Specialist Examination | Certification Partners, LLC |
| Certified Internet Web (CIW) Web Security Specialist Examination | Certification Partners, LLC |
| Certified Medical Administrative Assistant (CMAA) Examination | National Healthcareer Association |
| Certified Novell Administrator (CNA) Examination | Novell |
| * **Cloud Essentials Certification Examination** | CompTIA |
| Computer Programming Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Desktop Publishing Certification Tests (Pass any one test) | Brainbench |
| Financial and Investment Planning Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Financial and Managerial Accounting Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Fundamental Business Concepts Assessment | ASK Business Institute |
| General Management Assessment | National Occupational Competency Testing Institute (NOCTI) |
| IC3 Digital Literacy Certification Examination | Certiport |
| Human Resources Management Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Interactive Media Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Intuit QuickBooks Certified User Certification Test | Certiport |
| Linux+ Examinations—Powered by Linux Professional Institute (LPI) (Must pass both exams) | CompTIA |
| Microsoft Certified Professional (MCP) Examinations (Pass any one qualifying exam) | Microsoft |
| Microsoft Office Specialist (MOS) Examinations (Pass any one exam) | Microsoft |
| Microsoft Technology Associate (MTA) Examinations (Pass any one exam) | Microsoft |
| Network Administration Certification Tests (Pass any one test) | Brainbench |
| Network Pro Certification Examination | Test Out Corporation |
| Network+ Certification Examination | CompTIA |
| Oracle Certification Examinations (Pass any one exam) | Oracle Corporation |
| Oracle Certified Junior Associate Examinations (Pass any one exam) | Oracle Corporation |
| PC Pro Certification Assessment | Test Out Corporation |
| Security Pro Certification Assessment | Test Out Corporation |
| Security+ Certification Examination | CompTIA |
| Software Development Certification Tests (Pass any one test) | Brainbench |
| Systems Administration Certification Tests (Pass any one test) | Brainbench |
| Technical Support Certification Tests (Pass any one test) | Brainbench |
| Virtual Enterprise Certification Assessment | Virtual Enterprise (Administered by NOCTI) |
| W!SE Financial Literacy Certification Test | Working in Support of Education (W!SE) |
| Web Administration Certification Tests (Pass any one test) | Brainbench |
| Web Design and Development Certification Tests (Pass any one test) | Brainbench |
| Web Design Assessment | National Occupational Competency Testing Institute (NOCTI) |

| **CAREER READINESS CREDENTIALS**  **NAME OF CREDENTIAL** | **ISSUING ORGANIZATION** |
| --- | --- |
| College and Work Readiness Assessment (CWRA+) | Council for Aid to Education |
| National Career Readiness Certificate Assessment | ACT WorkKeys® |
| Workplace Readiness Skills for the Commonwealth Examination | Career and Technical Education Consortium of States (CTECS) |

| **FAMILY AND CONSUMER SCIENCES EDUCATION**  **NAME OF CREDENTIAL** | **ISSUING ORGANIZATION** |
| --- | --- |
| ACF Culinary Arts Certification Assessment | American Culinary Federation, Inc. (Administered by NOCTI) |
| ACF Retail Commercial Baking Certification Assessment | American Culinary Federation, Inc. (Administered by NOCTI) |
| Broad Field Family and Consumer Sciences Assessment | American Association of Family and Consumer Sciences (AAFCS) |
| Certified Front Desk Representative Examination (also listed in Marketing) | American Hotel and Lodging Association (AH&LA) |
| Certified Guest Service Professional Examination (also listed in Marketing) | American Hotel and Lodging Association (AH&LA) |
| Certified Hospitality and Tourism Management Professional Examination (Must Pass Level 1 and Level 2) (also listed in Marketing) | American Hotel and Lodging Association (AH&LA) |
| Certified Restaurant Server Examination | American Hotel and Lodging Association (AH&LA) |
| Child Development Associate (CDA) Assessment | Child Development Associates (CDA) Council |
| Commercial Baking Examination | SkillsUSA |
| Commercial Foods Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Culinary Arts Assessment | American Association of Family and Consumer Sciences (AAFCS) |
| Culinary Arts Examination | SkillsUSA |
| Culinary Arts Level 1 Prep Cook Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Culinary Arts Level 2 Cook Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Early Childhood Education and Care—Advanced Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Early Childhood Education and Care—Basic Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Early Childhood Education Assessment | American Association of Family and Consumer Sciences (AAFCS) |
| Early Childhood Development and Services Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Education and Training Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Education Fundamentals Assessment | American Association of Family and Consumer Sciences (AAFCS) |
| Family and Community Services Assessment (AAFCS) | American Association of Family and Consumer Sciences (AAFCS) |
| Family and Community Services Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Fashion, Textiles, and Apparel Assessment | American Association of Family and Consumer Sciences (AAFCS) |
| Food Science Fundamentals Assessment | American Association of Family and Consumer Sciences (AAFCS) |
| Hospitality Management—Food and Beverage Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Hospitality Management—Lodging Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Housing and Furnishings Assessment | American Association of Family and Consumer Sciences (AAFCS) |
| Interior Decorating and Design Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Interior Design Fundamentals Assessment | American Association of Family and Consumer Sciences (AAFCS) |
| Leadership Fundamentals Assessment | American Association of Family and Consumer Sciences (AAFCS) |
| ManageFirst Credentialing Examinations (Pass any one exam) | Educational Foundation of the National Restaurant Association |
| Nutrition, Food, and Wellness Assessment | American Association of Family and Consumer Sciences (AAFCS) |
| ParaPro Assessment | Educational Testing Service |
| Personal and Family Finance Certification Assessment | American Association of Family & Consumer Sciences (AAFCS) |
| Personal Care Services Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Praxis **Core Academic Skills for Educators Tests ~~Part 1 Examination~~** **(Pass all three tests)** | Educational Testing Service |
| ProStart Certification Examinations (Pass Level I and/or Level 2) | Education Foundation of the National Restaurant Association |
| Restaurant, Food and Beverage Services Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Retail Commercial Baking Assessment | National Occupational Competency Testing Institute (NOCTI) |
| ServSafe Manager Certification Examination | Educational Foundation of the National Restaurant Association |
| Skills, Tasks and Results Training (START) Certification Examination | American Hotel and Lodging Association (AH&LA) |

| **HEALTH AND MEDICAL SCIENCES EDUCATION**  **NAME OF CREDENTIAL** | **ISSUING ORGANIZATION** |
| --- | --- |
| AAPC Medical Coding Examinations (Pass any one exam) | American Academy of Professional Coders (AAPC) |
| Certified EKG Technician (CET) Examination | American Allied Health (AAH) |
| Certified Optometric Assistant (COA) Examination | American Allied Health (AAH) |
| Certified Patient Care Technician (CPCT) Examination | American Allied Health (AAH) |
| Certified Pharmacy Technician (CPhT) Examination | American Allied Health (AAH) |
| Certified Phlebotomy Technician (CPT) Examination | American Allied Health (AAH) |
| Certified Physical Therapy Aide (CPTA) Examination | American Allied Health (AAH) |
| Limited Licensed Radiology Technologist (LLRT) Examination | American Allied Health (AAH) |
| Medical Coding and Billing Specialist (MCBS) Examination | American Allied Health (AAH) |
| Registered Medical Assistant (RMA) Examination | American Allied Health (AAH) |
| Billing Coding Specialist Certification (BCSC) Examination | American Medical Certification Association (AMCA) |
| Clinical Medical Assistant Certification (CMAC) Examination | American Medical Certification Association (AMCA) |
| Dental Support Technician Certification (DSTC) Examination | American Medical Certification Association (AMCA) |
| * **EKG Technician Certification (CET) Examination** | **American Medical Certification Association (AMCA)** |
| Electronic Health Record Certification (EHRC) Examination | American Medical Certification Association (AMCA) |
| Medical Administration Assistant Certification (MAAC) Examination | American Medical Certification Association (AMCA) |
| * **Medical Assistant Certification (MAC) Examination** | **American Medical Certification Association (AMCA)** |
| Mental Health Technician Certification (MHTC) Examination | American Medical Certification Association (AMCA) |
| Patient Care Technician Certification (PCTC) Examination | American Medical Certification Association (AMCA) |
| * **Phlebotomy Technician Certification (PTC) Examination** | **American Medical Certification Association (AMCA)** |
| Physical Therapy Aide Certification (PTAC) Examination | American Medical Certification Association (AMCA) |
| Certified Dental Assistant **and National Entry Level Dental Assistant**: Infection Control (ICE) Examination | Dental Assisting National Board, Inc. |
| Certified Dental Assistant **and National Entry Level Dental Assistant**: Radiation Health & Safety (RHS) Examination | Dental Assisting National Board, Inc. |
| **National Entry Level** **~~Certified~~** Dental Assistant: Anatomy, Morphology and Physiology (AMP) Examination | Dental Assisting National Board, Inc. |
| Certified Emergency Telecommunicator Examination | International Academies of Emergency Dispatch (IAED) |
| Certified Registered Central Service Technician (CRCST) Examination | International Association of Central Service Materials Management (IAHCSMM) |
| Certified Personal Trainer Examination | National Academy of Sports Medicine (NASM) |
| Nationally Registered Certified Administrative Health Assistant (NRCAHA) Examination | National Association for Health Professionals (NAHP) |
| Nationally Registered Certified Coding Specialist (NRCCS) Examination | National Association for Health Professionals (NAHP) |
| Nationally Registered Certified Dental Assistant (NRCDA) Examination | National Association for Health Professionals (NAHP) |
| Nationally Registered Certified EKG Technician (NRCEKGT) Examination | National Association for Health Professionals (NAHP) |
| Nationally Registered Certified Medical Assistant (NRCMA) Examination | National Association for Health Professionals (NAHP) |
| Nationally Registered Certified Patient Care Technician (NRCPCT) Examination | National Association for Health Professionals (NAHP) |
| Nationally Registered Certified Pharmacy Technician (NRCPhT) Examination | National Association for Health Professionals (NAHP) |
| Nationally Registered Certified Phlebotomy Technician (NRCPT) Examination | National Association for Health Professionals (NAHP) |
| Nationally Registered Certified Surgical Technician (NRCST) Examination | National Association for Health Professionals (NAHP) |
| Certified Surgical Technologist (CST) Examination | National Board of Surgical Technology and Surgical Assisting (NBSTSA) |
| National Certified Insurance and Coding Specialist (NCICS) Examination | National Center for Competency Testing (NCCT) |
| National Certified Medical Assistant (NCMA) Examination | National Center for Competency Testing (NCCT) |
| National Certified Patient Care Technician (NCPCT) Examination | National Center for Competency Testing (NCCT) |
| National Certified Phlebotomy Technician (NCPT) Examination | National Center for Competency Testing (NCCT) |
| Tech in Surgery-Certified (TS-C) Examination | National Center for Competency Testing (NCCT) |
| National Health Science Assessment | National Consortium for Health Science Education  **(Administered by Precision Exams)** |
| Certified Clinical Medical Assistant (CCMA) Examination | National Healthcareer Association (NHA) |
| * **Certified Coding and Billing Specialist (CBCS) Examination** | **National Healthcareer Association (NHA)** |
| Certified EKG Technician Examination | National Healthcareer Association (NHA) |
| * **Certified Patient Care Technician (CPCT/A) Examination** | **National Healthcareer Association (NHA)** |
| Certified Pharmacy Technician (ExCPT) Examination | National Healthcareer Association (NHA) |
| Certified Phlebotomy Technician (CPT) Examination | National Healthcareer Association (NHA) |
| Dental Assisting Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Diagnostic Services Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Health Assisting Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Health Informatics Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Home Health Aide Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Medical Assisting Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Nursing Assisting Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Practical Nursing Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Therapeutic Services Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Nurse Assisting Examination | SkillsUSA |

| **MARKETING**  **NAME OF CREDENTIAL** | **ISSUING ORGANIZATION** |
| --- | --- |
| Advanced Customer Service and Sales Certification Assessment | National Retail Federation Foundation |
| Certified Front Desk Representative Examination (also listed in Family & Consumer Sciences Education) | American Hotel and Lodging Association (AH&LA) |
| Certified Guest Service Professional Examination (also listed in Family & Consumer Sciences Education) | American Hotel and Lodging Association (AH&LA) |
| Certified Hospitality and Tourism Management Professional Examination (Must Pass Level 1 and Level 2) (also listed in Family & Consumer Sciences Education) | American Hotel and Lodging Association (AH&LA) |
| Concepts of Entrepreneurship and Management Assessment | ASK Business Institute |
| Concepts of Finance Assessment | ASK Business Institute |
| Customer Service and Sales Certification Assessment | National Retail Federation Foundation |
| Fashion Merchandising Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Fundamental Marketing Concepts Assessment | ASK Business Institute |
| Lodging Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Recreation, Amusements, and Attractions Assessment | National Occupational Competency Testing Institute (NOCTI) |
| * **Retail Industry Fundamentals Certification Assessment** | **National Retail Federation Foundation** |
| Retail Management Certification Assessment | National Retail Federation Foundation |
| Retail Merchandising Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Travel and Tourism Assessment | National Occupational Competency Testing Institute (NOCTI) |

| **MILITARY SCIENCE**  **NAME OF CREDENTIAL** | **ISSUING ORGANIZATION** |
| --- | --- |
| Armed Services Vocational Aptitude Battery Examination | United States Military Entrance Processing Command |

| **TECHNOLOGY EDUCATION**  **NAME OF CREDENTIAL** | **ISSUING ORGANIZATION** |
| --- | --- |
| 3D Visualization & Animation Examination | SkillsUSA |
| ArcGIS Desktop Entry Certification Examination | Environmental Systems Research Institute (ESRI) |
| Architectural Apprentice Drafter Examination (also listed in Trade and Industrial Education) | American Design Drafting Association (ADDA) |
| Architectural Certified Drafter Examination (also listed in Trade and Industrial Education) | American Design Drafting Association (ADDA) |
| Architectural Drafting Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Architectural Drafting Examination | SkillsUSA |
| AutoCAD Certification Tests (Pass any one test) | Brainbench |
| * **Autodesk Certified Professional Examinations (Pass any one exam)** | **Autodesk** |
| Autodesk Certified User Examinations (Pass any one exam) | Autodesk |
| Automated Manufacturing Technology Examination | SkillsUSA |
| Biotechnology Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Certified Logistics Associate (CLA) Examination | Manufacturing Skills Standards Council (MSSC) |
| Certified Logistics Technician (CLT) Associate Examination | Manufacturing Skills Standards Council (MSSC) |
| Certified SOLIDWORKS Associate Examination | SOLIDWORKS Corporation |
| Electronics Application/Electronics Technology Examination | SkillsUSA |
| Electronics Technology Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Energy Industry Fundamentals Certificate Assessment | Center for Energy Workforce Development |
| Engineering Technology Examination | SkillsUSA |
| Global Logistics Associate Examination | American Society of Transportation & Logistics |
| Logistics Technology/Distribution Center Services Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Manufacturing Specialist Certification Examination | Manufacturing Skills Institute |
| Manufacturing Technology Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Manufacturing Technician Level 1 Certification Examination | Manufacturing Skills Institute |
| Mechanical Apprentice Drafter Examination (also listed in Trade and Industrial Education) | American Design Drafting Association (ADDA) |
| Mechanical Certified Drafter Examination (also listed in Trade and Industrial Education) | American Design Drafting Association (ADDA) |
| Mechanical Drafting and Design Assessment | National Occupational Competency Testing Institute (NOCTI) |
| * **Modeling and Simulation Certification Examination** | **National Center for Simulation** |
| Performing Arts Assessment (also listed in Trade and Industrial Education) | National Occupational Competency Testing Institute (NOCTI) |
| Pre-Engineering Certification Examinations | Robotics Education Competition (REC) Foundation- Hostedware Corporation |
| Pre-Engineering/Engineering Technology Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Project Lead the Way Tests (Pass any one end-of-course test) | Project Lead The Way |
| Robotics and Automation Examination | SkillsUSA |
| Robotics Certification Examinations | Robotics Education Competition (REC) Foundation- Hostedware Corporation |
| Spatial Projects And Community Exchange (SPACE) Examination | Digital Quest, Inc. |
| Spatial Technology and Remote Sensing (STARS) Certification Examination | Digital Quest, Inc. |
| Technical Drafting Examination | SkillsUSA |
| Technical Theater Assessment (also listed in Trade and Industrial Education) | National Occupational Competency Testing Institute (NOCTI) |
| * **Unity Certified Developer Examination** | **Unity Technologies** |

| **TRADE AND INDUSTRIAL EDUCATION**  **NAME OF CREDENTIAL** | **ISSUING ORGANIZATION** |
| --- | --- |
| A+ Certification Examination | CompTIA |
| Advertising and Design Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Air Conditioning Employment Ready Examination | HVAC Excellence |
| Air Cooled Gasoline Engines Expert Technician Test | Kohler Engines |
| Architectural Apprentice Drafter Examination (also listed in Technology Education) | American Design Drafting Association (ADDA) |
| Architectural Certified Drafter Examination (also listed in Technology Education) | American Design Drafting Association (ADDA) |
| Audio-Radio Production Examination | SkillsUSA |
| Audio-Visual Communications Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Automotive Technician Advanced Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Automotive Technician Core Assessment | National Occupational Competency Testing Institute (NOCTI) |
| ASE Student Certification Examinations (Pass any one exam from Automobile, Collision Repair and Refinish, or M/H Truck) | National Institute for Automotive Service Excellence |
| **ASE** Collision Repair and Refinishing Technician Examinations **~~(ASE)~~** (Pass any one exam) (see ASE Student Certification Examination) | National Institute for Automotive Service Excellence |
| **Avid Certified User for** Media Composer Certification Examination**~~(Pass any one exam)~~** | Avid |
| * **Avid Certified Professional for Media Composer Certification Examination** | **Avid** |
| Basic Refrigeration & Charging Procedures Employment Ready Examination | HVAC Excellence |
| Broadcasting and Journalism Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Building Construction Occupations Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Building Science Principles Examination | Building Performance Institute |
| Building Trades Maintenance Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Cabinetmaking Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Cabinetmaking Examination | SkillsUSA |
| CAD Assessment | National Occupational Competency Testing Institute (NOCTI) |
| CAD/CAM Assessment | National Occupational Competency Testing Institute (NOCTI |
| Carbon Monoxide & Combustion Analysis Employment Ready Examination | HVAC Excellence |
| Carbon Monoxide Safety Employment Ready Examination | HVAC Excellence |
| Carpentry Level One Entry-Level Assessment | National Center for Construction Education & Research (NCCER) |
| Carpentry Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Carpentry Examination | SkillsUSA |
| Certified Alarm Security Technician (CAST) Examination | Electronics Technicians Association (ETA) International |
| Certified Broadcast Technologist (CBT) Examination | The Society of Broadcast Engineers (SBE) |
| Certified Electronics Technician Associate (CETa) Examination | Electronics Technicians Association (ETA) International |
| Certified Production Technician (CPT) Program Examinations (Pass any one exam) | Manufacturing Skill Standards Council (MSSC) |
| Certified Radio Operator (CRO) Examination | The Society of Broadcast Engineers (SBE) |
| Certified Satellite Installer (CSI) Examination | Electronics Technicians Association (ETA) International |
| Certified Television Operator (CTO) Examination | The Society of Broadcast Engineers (SBE) |
| Cisco Certified Entry Networking Technician (CCENT) Examination | Cisco Systems, Inc. |
| * **Cisco Certified Networking Associate (CCNA) Cyber Ops Examination** | **Cisco Systems, Inc.** |
| Cisco Certified Networking Associate (CCNA) Routing & Switching Examination | Cisco Systems, Inc. |
| Cisco Certified Networking Associate (CCNA) Security Examination | Cisco Systems, Inc. |
| Cisco Certified Networking Professional (CCNP) Routing and Switching Examination (Must pass all 3 exams) | Cisco Systems, Inc. |
| Cisco Certified Networking Professional (CCNP) Security Examination | Cisco Systems, Inc. |
| * **Cisco Python Certified Associate Programmer (PCAP) Examination** | **Cisco Systems, Inc.** |
| CNC Milling and Turning Examination | SkillsUSA |
| Collision Repair and Refinishing Technology Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Collision Repair **~~Technology~~** Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Combustion Appliance Zone (CAZ) Employment Ready Examination | HVAC Excellence |
| CompTIA IT Fundamentals Certification Examination | CompTIA |
| Computer Maintenance Technology Examination | SkillsUSA |
| Computer Networking Fundamentals Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Computer Repair Technology Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Computer Service Technician (CST) Examination | Electronics Technicians Association (ETA) International |
| Computer Technology Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Construction Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Construction Masonry-Block Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Construction Masonry-Brick Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Construction Technologist Entry-Level Assessment | National Center for Constructional Education & Research (NCCER) |
| Core: Introductory Craft Skills Entry-Level Assessment | National Center For Construction Education & Research (NCCER) |
| Cosmetology Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Cosmetology Examination | SkillsUSA |
| Criminal Justice and CSI Examination | SkillsUSA |
| Criminal Justice Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Criminal Justice Advanced Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Customer Service Examination | SkillsUSA |
| Customer Service Specialist (CSS) Examination | Electronics Technicians Association (ETA) International |
| Cybersecurity Analyst (CSA+) Examination | CompTIA |
| Data Cabling Installer (DCI) Examination | Electronics Technicians Association (ETA) International |
| Design and Pre-Construction Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Diesel Technology Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Electric Heat Employment Ready Examination | HVAC Excellence |
| Electric Power and Distribution Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Electrical Construction Technology Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Electrical Construction Wiring (Residential Wiring) Examination | SkillsUSA |
| Electrical Employment Ready Examination | HVAC Excellence |
| Electrical Occupations Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Electrician Level One Entry-Level Assessment | National Center For Construction Education & Research (NCCER) |
| Electronics Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Electronics Module: AC (EM2) Examination | Electronics Technicians Association (ETA) International |
| Electronics Module: Analog (EM3) Examination | Electronics Technicians Association (ETA) International |
| Electronics Module: Comprehensive (EM5) Examination | Electronics Technicians Association (ETA) International |
| Electronics Module: DC (EM1) Examination | Electronics Technicians Association (ETA) International |
| Electronics Module: Digital (EM4) Examination | Electronics Technicians Association (ETA) International |
| Emergency and Fire Management Services Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Emergency Medical Services Assessment | National Occupational Competency Testing Institute (NOCTI) |
| EPA Technician Examinations (Pass Levels Core, I, II, III or Universal) | Environmental Protection Agency (Authorized Entity) |
| Fiber Optics Installer (FOI) Examination | Electronics Technicians Association (ETA) International |
| Firefighter I Certification Examination | Virginia Department of Fire Programs |
| Firefighter II Certification Examination | Virginia Department of Fire Programs |
| Fuel Oil Consumption Employment Ready Examination | HVAC Excellence |
| Fundamentals of Construction Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Gas Heat Employment Ready Examination | HVAC Excellence |
| General Communications Technician - Level 1 (GCT1) Examination | Electronics Technicians Association (ETA) International |
| Graphic Production Technology Assessment | National Occupational Competency Testing Institute (NOCTI) |
| **HBI/NAHB** Residential Construction Academy **(RCA) Series Student Certification Assessments** **~~Examinations~~** (Pass any one exam) | Home Builders Institute (HBI) (Administered by NOCTI) |
| Heat Pump Employment Ready Examination | HVAC Excellence |
| Heating, Electrical, Air Conditioning Technology (HEAT) Examinations (Pass any one exam) | HVAC Excellence |
| Heating, Ventilation, Air Conditioning & Refrigeration (HVAC/R) Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Heating, Ventilation, Air Conditioning (HVAC) Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Heavy Equipment Operator Level One Entry-Level Assessment | National Center For Construction Education & Research (NCCER) |
| HVAC Level One Entry-Level Assessment | National Center For Construction Education & Research (NCCER) |
| ICC Certificates of Achievement Examinations (Pass any one exam) | International Code Council (ICC) |
| Industrial Electricity Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Industrial Electronics Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Industrial Maintenance Mechanics Assessment | National Occupational Competency Testing Institute (NOCTI) |
| * **Industrial Technology Maintenance - Level I Examinations (Pass any one exam)** | **National Institute for Metalworking Skills (NIMS)** |
| Installer (or Service) Core (HVAC/R) Examination | North American Technician Excellence, Inc. (NATE) |
| Internetworking Examination | SkillsUSA |
| Legal Services Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Light Commercial Refrigeration Employment Ready Examination | HVAC Excellence |
| Machining - Level I Examinations (Pass any one exam with performance component) | National Institute for Metalworking Skills (NIMS) |
| Maintenance Operations Assessment | National Occupational Competency Testing Institute (NOCTI) |
| * **Marine Service Technician (Inland and Coastal - Core) Assessment** | **The American Boat & Yacht Council (ABYC) (Administered by NOCTI)** |
| Marine Service Technology Examination | SkillsUSA |
| Masonry Examination | SkillsUSA |
| Masonry Level One Entry-Level Assessment | National Center For Construction Education & Research (NCCER) |
| Mechanical Apprentice Drafter Examination (also listed in Technology Education) | American Design Drafting Association (ADDA) |
| Mechanical Certified Drafter Examination (also listed in Technology Education) | American Design Drafting Association (ADDA) |
| Mechatronic Systems Certification Examinations (Pass any one exam) | Siemens AG |
| Mechatronics-Level 1 Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Mobile Communications and Electronics Installer (MCEI) Examination | Electronics Technicians Association (ETA) International |
| Mobile Electronics Certified Professional (MECP) Basic Installation Technician Examination | Consumer Electronics Association |
| Motorcycle Service Technology Examination | SkillsUSA |
| Nail Care Examination | SkillsUSA |
| Natural Gas Combustion Employment Ready Examination | HVAC Excellence |
| Network Cabling Specialist Certification Examination | C-Tech Associates, Inc. |
| Non-Structural Technician - ProLevel 1 Certification Test | ICAR |
| Performing Arts Assessment (also listed in Technology Education) | National Occupational Competency Testing Institute (NOCTI) |
| Photography Examination | SkillsUSA |
| Photovoltaic Installer - Level 1 **(PVI1) ~~(PV1-LVL1)~~** Examination | Electronics Technicians Association (ETA) International |
| Plumbing Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Plumbing Examination | SkillsUSA |
| Plumbing-Heating-Cooling Contractors Educational Foundation Examinations (Pass any one exam) | Plumbing-Heating-Cooling Contractors (PHCC) Educational Foundation (Administered by NOCTI) |
| Plumbing Level One Entry-Level Assessment | National Center For Construction Education & Research (NCCER) |
| Pre-Apprenticeship Certificate Training (PACT) Assessments (Pass any one assessment) | Home Builders Institute (HBI) (Administered by NOCTI) |
| Precision Machining Assessment | National Occupational Competency Testing Institute (NOCTI) |
| PrintED Certification Examinations (Pass any one exam) | Graphic Arts Education and Research Foundation (Administered by SkillsUSA) |
| Protective Services Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Refinish Technician - ProLevel 1 Certification Test | ICAR |
| Residential & Light Commercial Hydronic Heat Employment Ready Examination | HVAC Excellence |
| Security and Protective Services Assessment | National Occupational Competency Testing Institute (NOCTI) |
| SENSE Training Program Certification Examination (Level 1, Entry-Level Welder) | American Welding Society (AWS) |
| Student Electronics Technician (SET) Examination | Electronics Technicians Association (ETA) International |
| Technical Drafting Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Technical Theater Assessment (also listed in Technology Education) | National Occupational Competency Testing Institute (NOCTI) |
| Telecommunications Electronics Technician (TCM) Examination | Electronics Technicians Association (ETA) International |
| Television Production Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Television Video Production Examination | SkillsUSA |
| * **Unarmed Security Officer/Courier Examination** | **Virginia Department of Criminal Justice Service** |
| * **Small Unmanned Aircraft System (UAS) Safety Certification Examination** | **Unmanned Safety Institute** |
| * **Virginia Motor Vehicle Safety Inspection Program Examination** | **Virginia State Police** |
| Visual Arts Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Visual Communications and Interactive Media Design Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Welding Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Welding Examination | SkillsUSA |
| Welding Level One Entry-Level Assessment | National Center For Construction Education & Research (NCCER) |

| **PROFESSIONAL LICENSES**  **NAME OF CREDENTIAL** | **ISSUING ORGANIZATION** |
| --- | --- |
| Barbers Examination | Board of Barbers and Cosmetology (Virginia Department of Professional and Occupational Regulation) |
| Commercial Pesticide Applicator Certification Examination | Virginia Department of Agriculture and Consumer Services |
| Cosmetology Examination | Board of Barbers and Cosmetology (Virginia Department of Professional and Occupational Regulation) |
| Emergency Medical Responder Examination | Department of Health, Office of Emergency Medical Services |
| Emergency Medical Technician Examination | Department of Health, Office of Emergency Medical Services |
| FAA Private Pilot Written Test | Federal Aviation Administration |
| General Radiotelephone Operator (GRO) Examination | Federal Communications Commission (FCC) |
| Licensed Practical Nurse Examination | Virginia Board of Nursing |
| Nail Technician Examination | Board of Barbers and Cosmetology (Virginia Department of Professional and Occupational Regulation) |
| National Nurse Aide Assessment Program (NNAAP) Examination | Virginia Board of Nursing |
| Private Applicator Certification Examination | Virginia Department of Agriculture and Consumer Services |
| Real Estate Salesperson Examination | Virginia Real Estate Board (Virginia Department of Professional and Occupational Regulation) |
| Registered Technician Certification Examination | Virginia Department of Agriculture and Consumer Services |
| **~~Virginia Pharmacy Technician Examination~~** **Certification of Pharmacy Technicians (ExCPT) Examination** | Virginia Board of Pharmacy |

| **EXAMINATIONS**  **NAME OF CREDENTIAL** | **ISSUING ORGANIZATION** |
| --- | --- |
| Advanced Placement (AP) Computer Science A Examination | The College Board |
| Advanced Placement (AP) Computer Science Principles | The College Board |
| College Level Examination Program (CLEP): Financial Accounting Examination | The College Board |
| College Level Examination Program (CLEP): Information Systems and Computer Applications | The College Board |
| College Level Examination Program (CLEP): Introductory Business Law | The College Board |
| College Level Examination Program (CLEP): Principles of Management | The College Board |
| College Level Examination Program (CLEP): Principles of Marketing | The College Board |
| International Baccalaureate Computer Science (Standard Level) Examination | The International Baccalaureate Organization |
| International Baccalaureate Computer Science (Higher Level) Examination | The International Baccalaureate Organization |
| International Baccalaureate Design Technology (Standard Level) Examination | The International Baccalaureate Organization |
| International Baccalaureate Design Technology (Higher Level) Examination | The International Baccalaureate Organization |
| International Baccalaureate for Business and Management (Standard Level) Examination | The International Baccalaureate Organization |
| International Baccalaureate Information Technology in a Global Society (Standard Level) Examination | The International Baccalaureate Organization |

| **DELETIONS**  **NAME OF CREDENTIAL** | **ISSUING ORGANIZATION** |
| --- | --- |
| ArcGIS Desktop Associate Certification Examination | Environmental Systems Research Institute (ESRI) |
| Beef Quality Assurance Certification Assessment | National Beef Quality Assurance/ Virginia Cooperative Extension |
| Conservation Assessment | National Occupational Competency Testing Institute (NOCTI) |