

**Industry Credentials for Teachers
Seeking an Initial Virginia License
with Endorsement(s) in an Area of
Career and Technical Education**

Guidance Document

§22.1-298.1 of the Code of Virginia

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Office of Career, Technical, and Adult Education
Updated June, 2021

**INDUSTRY CREDENTIALS FOR TEACHERS
SEEKING AN INITIAL VIRGINIA LICENSE WITH ENDORSEMENT(S) IN
AN AREA OF CAREER AND TECHNICAL EDUCATION**

GUIDANCE DOCUMENT

BACKGROUND INFORMATION

Section § 22.1-298.1 of the *Code of Virginia* requires that every teacher seeking an initial license in the Commonwealth with an endorsement in the area of career and technical education shall have an industry certification credential in the area in which the teacher seeks endorsement. If a teacher seeking an initial license in the Commonwealth has not attained an industry certification credential in the area in which the teacher seeks endorsement, the Board may, upon request of the employing school division or educational agency, issue the teacher a provisional license to allow time for the teacher to attain such credential.

The *2021-2022 Industry Credentials for Teachers Seeking an Initial Virginia License with Endorsement(s) in an Area of Career and Technical Education [Guidance Document](#)* is available on the Virginia Department of Education's website. This document provides: (1) the teacher-eligible list of approved industry certification examinations; (2) name of the issuing organization; and (3) the specific career and technical education area(s), including the corresponding endorsement codes. The web-based list allows users to access contact information and details for each credentialing assessment.

Industry credentials that are eligible for teachers seeking an **initial** teaching license with endorsements in the area of career and technical education (CTE) are derived from the Virginia Board of Education-approved list of industry certifications, occupational competency assessments, and state licenses for high school students. For test validity and security reasons, not all issuing organizations allow teachers to take the student examinations.

In Virginia, industry credentials are defined as:

- State-issued professional license, required for entry into a specific occupation as determined by a Virginia state licensing agency (e.g., Licensed Practical Nurse (LPN), Emergency Medical Technician, Pharmacy Technician);
- Full Industry Certification, from a recognized industry, trade, or professional association validating essential skills of a particular occupation (A+ Certification Examinations, Microsoft Technology Associate (MTA), Microsoft Office Specialists (MOS))
- Pathway industry certification, from a recognized industry, trade, or professional association that validates essential skills of an industry. These certifications may consist of a suite of examinations from entry level to full certification (e.g., CISCO Certified Network Associate Examinations, A+ Certification Examinations, Automotive Service Excellence); and
- Occupational competency assessment, a national standardized assessment of skills/knowledge in a specific career and/or technical area (e.g., SkillsUSA, NOCTI).

To meet the Board of Education criteria and utilize the industry credentialing for the purpose of earning student-selected verified credit, the approved industry credentialing assessments must meet the following criteria:

- the test must be standardized and graded independently of the school or school division in which the test is given;
- the test must be knowledge-based;
- the test must be administered on a multistate or international basis, or administered as part of another state's accountability assessment program;
- to be counted in a specific academic area, the test must measure content that incorporates or exceeds the Standards of Learning (SOL) content in the course for which verified credit is given;
- industry certification or licensure examinations that are approved to satisfy the requirements for the Board of Education's Career and Technical Education Seal or the Board of Education's Seal of Advanced Mathematics and Technology will satisfy requirements for student-selected verified credits;
- the teacher and/or the career and technical education program must be certified by the issuing organization relative to the industry certification or license; and
- a standard credit may not be verified more than once.

More than 450 state-issued professional licenses, industry certification examinations, and occupational competency assessments have been approved by the Virginia Board of Education. These certifications are reviewed and approved annually; credentials may be updated, added, or removed if they are outdated and no longer meet the Board's goals. Experienced CTE teachers and industry panels are involved in the annual review process and provide recommendations that are presented to the Board of Education for approval.

DIRECTIONS FOR SELECTING INDUSTRY CREDENTIALING ASSESSMENTS

There are eight broad career and technical education (CTE) areas: Agricultural Education; Business and Information Technology; Family and Consumer Sciences Education; Health and Medical Sciences Education; Marketing; Military Science; Technology Education; and Trade and Industrial Education. Within each broad CTE area there are specific endorsement areas for which teachers may apply for an **initial** Virginia teaching license (e.g., the endorsement areas within Agricultural Education are: Horticulture; Agriculture Machinery Service; Landscaping Technology; and Veterinary Aide).

Directions for obtaining information on the Board of Education-approved industry credentials that are eligible for teachers who are seeking an initial Virginia teaching license with an endorsement in an area of CTE are as follows:

- **Locate** the “broad” CTE area of interest in the chart.
- **Identify** the CTE endorsement area for which you are submitting an application for an initial teaching license to the Virginia Department Education, Division of Teacher Education and Licensure. (Refer to the third column, CAREER AND TECHNICAL EDUCATION (CTE) ENDORSEMENT AREAS.)
- **Click** on the name of an industry credential that matches the appropriate CTE endorsement area to obtain contact information and additional testing details. In many instances, several credentialing assessments may be listed from which you may choose one to complete.
- **Arrange** to take the credentialing assessment as directed by the issuing organization or testing provider.

If you have any questions about the teacher-eligible industry credentials, please contact the Virginia Department of Education, Office of Career, Technical, and Adult Education at cte@doe.virginia.gov or by telephone at (804) 225-2052.

**INDUSTRY CREDENTIALS FOR TEACHERS
SEEKING AN INITIAL LICENSE WITH ENDORSEMENT(S) IN
AN AREA OF CAREER AND TECHNICAL EDUCATION
FREQUENTLY ASKED QUESTIONS**

Q1. Do I have to meet the industry credential requirement for licensure if I already hold an active Virginia teaching license with an endorsement in career and technical education, such as Marketing Education?

A1. The requirement is for teachers applying for initial licensure in Virginia on or after July 1, 2014. Since you have a Virginia teaching license that was issued before July 1, 2014, this licensure requirement does not apply to you.

Q2. Is there an option for a teacher seeking an initial Virginia license with an endorsement in an area of career and technical education who has not earned an industry credential in the area in which he/she seeks endorsement but has been offered employment by a Virginia public school division?

A2. Yes, the employing Virginia school division may request the Board of Education to issue a provisional (three-year nonrenewable) CTE teacher license. This provision will allow time for the CTE teacher to earn a Board-approved industry credential in the area of endorsement.

Q3. Is the approved list for teachers seeking an initial license the same as the Board-approved list for Virginia public high school students?

A3. No, the list of industry credentialing examinations for teachers seeking initial licensure with an endorsement in an area of career and technical education is not the exact same list as that approved for Virginia public high school students. For test validity and security reasons, not all issuing organizations allow teachers to take the student examinations.

Q4. Where can I learn more about the industry credentialing examinations and where they are administered?

A4. Information on all approved industry credentials for teachers seeking initial licensure with an endorsement in an area of career and technical education is linked to the [Virginia Department of Education website](#). By clicking on each industry credential in the chart, you may obtain additional testing information such as contacts for the issuing organization, examination cost, testing methods—online or paper/pencil, number of test items, testing accommodations, pre-test availability, and location(s) for taking the test.

Q5. How often is the list of industry credentials updated for teachers seeking initial licensure with an endorsement in an area of CTE?

A5. The Virginia Department of Education updates the teacher-eligible list annually (late spring) after the student list of industry, professional, trade association certification examinations and occupational competency assessments has been reviewed and approved by the Virginia Board of Education.

The update may consist of technical changes to the credential names, additions of new credentials, and deletions of outdated credentials. Industry, professional, and trade association certifications are continually being revised or discontinued to stay current with technology and new techniques. These changes may be such that individual certifications are no longer available, no longer meet the Board of Education’s criteria for diploma seals or student-selected verified credit, or require additional criteria such as work experience beyond high school.

Q6. How do I show proof of passing a Virginia Board of Education-approved industry credentialing examination for initial licensure?

A6. Upon successful completion of the industry certification examination, a certificate or other written documentation is provided by the issuing organization directly to the test taker. This certificate or documentation must be included in the [Application for Virginia License](#). Additional information to assist teachers seeking initial licensure with an endorsement in the area of career and technical education can be accessed in the most current [Superintendent's Memorandum](#).

VIRGINIA DEPARTMENT OF EDUCATION

2021-2022 VIRGINIA TEACHER-ELIGIBLE INDUSTRY CREDENTIALING ASSESSMENTS

UPDATED JUNE 2021

Section § 22.1-298.1 of the *Code of Virginia* requires that every teacher seeking an initial license in the Commonwealth with an endorsement in the area of career and technical education shall have an industry certification credential in the area in which the teacher seeks endorsement. If a teacher seeking an initial license in the Commonwealth has not attained an industry certification credential in the area in which the teacher seeks endorsement, the Board may, upon request of the employing school division or educational agency, issue the teacher a provisional license to allow time for the teacher to attain such credential.

The *2021-2022 Industry Credentials for Teachers Seeking an Initial Virginia License with Endorsement(s) in an Area of Career and Technical Education [Guidance Document](#)* is available on the Virginia Department of Education's website. This document provides: (1) the teacher-eligible list of approved industry certification examinations; (2) name of the issuing organization; and (3) the specific career and technical education area(s), including the corresponding endorsement codes. The web-based list allows users to access contact information and details for each credentialing assessment.

AGRICULTURAL EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION	CAREER AND TECHNICAL EDUCATION (CTE) ENDORSEMENT AREAS
<u>A*S*K Concepts of Entrepreneurship and Management Assessment</u>	ASK Business Institute/MBA Research and Curriculum Center	8000 - Agricultural Education
<u>BASF Plant Science Certification Examination</u>	BASF (Administered by CEV Multimedia)	8000 - Agricultural Education 8005 – Horticulture 8010 - Landscaping Technology
<u>Beef Quality Assurance Examination</u>	Virginia Cooperative Extension/VT APSC	8000 - Agricultural Education 8622 - Veterinary Aide 8620 - Health and Medical Sciences 8600 - Practical Nursing
<u>Canine Care and Training Program - Level 1 Certification Examination</u>	Continental Kennel Club Inc.	8000 - Agricultural Education 8622 - Veterinary Aide
<u>Certified Grounds Technician Examination</u>	Professional Grounds Management Society (PGMS)	8000 - Agricultural Education 8005 - Horticulture 8010 - Landscaping Technology
<u>Certified Turfgrass Professional Examination</u>	Virginia Turfgrass Council	8000 - Agricultural Education 8005 - Horticulture 8010 - Landscaping Technology
<u>Certified Veterinary Assistant (CVA) Examination (AAH)</u>	American Allied Health (AAH)	8000 - Agricultural Education 8622 - Veterinary Aide
<u>Certified Veterinary Assistant Examination (TVMA)</u>	Texas Veterinary Medical Association	8000 - Agricultural Education 8622 - Veterinary Aide
<u>Certified Commercial Pesticide Applicator Examination</u>	Virginia Department of Agriculture and Consumer Services	8000 - Agricultural Education 8005 – Horticulture 8010 - Landscaping Technology
<u>Certified Private Applicator Examination</u>	Virginia Department of Agriculture and Consumer Services	8000 - Agricultural Education 8005 - Horticulture 8010 - Landscaping Technology

AGRICULTURAL EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION	CAREER AND TECHNICAL EDUCATION (CTE) ENDORSEMENT AREAS
Certified Registered Technician Pesticide Applicator Examination	Virginia Department of Agriculture and Consumer Services	8000 - Agricultural Education 8005 - Horticulture 8010 - Landscaping Technology
Chesapeake Bay Landscape Professional, Associate (CBLP-A) Examination	Chesapeake Conservation Landscaping Council	8000 - Agricultural Education 8005 – Horticulture 8010 - Landscaping Technology
Ecology Conservation & Management Certification Examination	Ducks Unlimited (DU)	8000 - Agricultural Education
EETC Technician Certification Tests (pass any one test)	Equipment and Engine Training Council (EETC)	8000 - Agricultural Education 8005 - Horticulture 8008 - Agriculture Machinery Service 8010 - Landscaping Technology 8418 – Small Engine Repair
Equine Management and Evaluation Certification Examination	National Horse Judging Team Coaches' Association (Administered by CEV Multimedia)	8000 - Agricultural Education 8622 - Veterinary Aide
Food Safety & Science Certification Examination	American Meat Science Association (Administered by CEV Multimedia)	8000 - Agricultural Education
Fundamentals of Animal Science Certification Examination	Elanco (Administered by CEV Multimedia)	8000 - Agricultural Education 8622 - Veterinary Aide
Greenhouse Operators Certification Examination	Southeast Greenhouse Growers Association/Virginia Flower Growers Association	8000 - Agricultural Education 8005 - Horticulture 8010 - Landscaping Technology
Landscape Management Certification Examination	Green Industry Web Portal	8000 - Agricultural Education 8005 - Horticulture 8010 - Landscaping Technology

AGRICULTURAL EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION	CAREER AND TECHNICAL EDUCATION (CTE) ENDORSEMENT AREAS
Master Service Technician Examinations (pass any one exam)	Briggs & Stratton Corp.	8000 - Agricultural Education 8005 - Horticulture 8008 - Agriculture Machinery Service 8010 - Landscaping Technology
Meat Evaluation Certification Examination	American Meat Science Association (Administered by CEV Multimedia)	8000 - Agricultural Education
Pet Sitters Certification Examination	National Association Professional Pet Sitters (NAPPS)	8000 - Agricultural Education 8622 - Veterinary Aide
Principles of Floral Design Certification Examination	Benz School of Floral Design (Administered by CEV Multimedia)	8000 - Agricultural Education 8005 - Horticulture
Principles of Livestock Selection & Evaluation Certification Examination	National Collegiate Livestock Coaches Association (Administered by CEV Multimedia)	8000 - Agricultural Education
Professional Communications Certification Examination	Southwest Airlines (Administered by CEV Multimedia)	8000 - Agricultural Education 8005 - Horticulture 8008 - Agriculture Machinery Service 8010 - Landscaping Technology 8622 - Veterinary Aide
Turfgrass Management Certification Program Examination	Green Industry Web Portal	8000 - Agricultural Education 8005 - Horticulture 8010 - Landscaping Technology
Urban Forestry Certification Test	Green Industry Web Portal	8000 - Agricultural Education 8005 - Horticulture 8010 - Landscaping Technology
Veterinary Medical Applications Certification Examination	Elanco (Administered by CEV Multimedia)	8000 - Agricultural Education 8622 - Veterinary Aide

AGRICULTURAL EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION	CAREER AND TECHNICAL EDUCATION (CTE) ENDORSEMENT AREAS
W!SE Financial Literacy Certification Test	Working in Support of Education (W!SE)	8000 - Agricultural Education

BUSINESS AND INFORMATION TECHNOLOGY NAME OF CREDENTIAL	ISSUING ORGANIZATION	CAREER AND TECHNICAL EDUCATION (CTE) ENDORSEMENT AREAS
AAPC Medical Coding Examinations (pass any one exam)	American Academy of Professional Coders (AAPC)	8624 – Medical Coding and Billing 6900 - Business and Information Technology 6910 - Medical Office Procedures 6000 - Bus. Educ.-General Office Procedures
Adobe Certified Professional Examinations (pass any one exam)	Adobe Systems Inc.	6620 - Database Management 6630 - Networking 6900 - Business and Information Technology
App Development with Swift Level 1 Examination	Apple Inc.	6900 - Business and Information Technology
A*S*K Concepts of Entrepreneurship and Management Assessment	ASK Business Institute/MBA Research and Curriculum Center	6900 - Business and Information Technology
A*S*K Fundamental Business Concepts Assessment	ASK Business Institute/MBA Research and Curriculum Center	6900 - Business and Information Technology 6910 - Medical Office Procedures 6920 - Legal Office Procedures
AWS Certified Cloud Practitioner Certification Examination	Amazon Web Services (AWS)	6650- Computer Network Software Operations 6651- Computer Network Software Operations, Advanced 6630- Design, Multimedia and Web Technologies 6631- Design, Multimedia and Web Technologies Advanced

BUSINESS AND INFORMATION TECHNOLOGY NAME OF CREDENTIAL	ISSUING ORGANIZATION	CAREER AND TECHNICAL EDUCATION (CTE) ENDORSEMENT AREAS
		6660- Database, Design and Management (Oracle) 6662- Database, Design and Management with PL/SQL (Oracle)
<u>C++ Certified Entry-Level Programmer (CPE) Examination</u>	C++ Institute (Administered by Pearson)	6640- Programming 6641- Programming, Advanced
<u>Certified Electronic Health Record Specialist (CEHRS) Examination</u>	National Healthcareer Association	8624 – Medical Coding and Billing 6500 - Business Education - Stenography 6900 - Business and Information Technology 6910 - Medical Office Procedures 6000 - Bus. Educ.-General Office Procedures
<u>Certified Entry-Level Python Programmer (PCEP) Examination</u>	OpenEDG Python Institute	6900 - Business and Information Technology
<u>Certified Internet Web (CIW) Advanced HTML5 and CSS3 Specialist Examination</u>	Certification Partners LLC	6620 - Database Management 6630 - Networking 6900 - Business and Information Technology
<u>Certified Internet Web (CIW) Data Analyst Examination</u>	Certification Partners LLC	6620 - Database Management 6630 - Networking 6900 - Business and Information Technology
<u>Certified Internet Web (CIW) Database Design Specialist Examination</u>	Certification Partners LLC	6620 - Database Management 6630 - Networking 6900 - Business and Information Technology
<u>Certified Internet Web (CIW) E-Commerce Services Specialist Examination</u>	Certification Partners LLC	6620 - Database Management 6630 - Networking 6900 - Business and Information Technology
<u>Certified Internet Web (CIW) Internet Business Associate Examination</u>	Certification Partners LLC	6620 - Database Management 6630 - Networking 6900 - Business and Information Technology

BUSINESS AND INFORMATION TECHNOLOGY NAME OF CREDENTIAL	ISSUING ORGANIZATION	CAREER AND TECHNICAL EDUCATION (CTE) ENDORSEMENT AREAS
Certified Internet Web (CIW) JavaScript Specialist Examination	Certification Partners LLC	6620 - Database Management 6630 - Networking 6900 - Business and Information Technology
Certified Internet Web (CIW) Network Technology Associate Examination	Certification Partners LLC	6620 - Database Management 6630 - Networking 6900 - Business and Information Technology
Certified Internet Web (CIW) Site Development Associate Examination	Certification Partners LLC	6620 - Database Management 6630 - Networking 6900 - Business and Information Technology
Certified Internet Web (CIW) Social Media Strategist Examination	Certification Partners LLC	6620 - Database Management 6630 - Networking 6900 - Business and Information Technology
Certified Internet Web (CIW) User Interface Designer Examination	Certification Partners LLC	6620 - Database Management 6630 - Networking 6900 - Business and Information Technology
Certified Internet Web (CIW) Web Security Specialist Examination	Certification Partners LLC	6620 - Database Management 6630 - Networking 6900 - Business and Information Technology
Certified Medical Administrative Assistant (CMAA) Examination	National Healthcareer Association	8624 – Medical Coding and Billing 6500 - Business Education - Stenography 6900 - Business and Information Technology 6910 - Medical Office Procedures 6000 - Bus. Educ.-General Office Procedures
Cisco Certified CyberOps Associate Examination	Cisco Systems Inc.	2004 - Computer Science 3010 - Computer Science Specialist 6630 - Networking 6900 - Business and Information Technology 8425 - Electronics Technology 8485 - Computer Repair Technology

BUSINESS AND INFORMATION TECHNOLOGY NAME OF CREDENTIAL	ISSUING ORGANIZATION	CAREER AND TECHNICAL EDUCATION (CTE) ENDORSEMENT AREAS
		8490 - Computer Systems Technology 9010 - Computer Technology
<u>Cisco Certified DevNet Associate Examination</u>	Cisco Systems Inc.	2004 - Computer Science 3010 - Computer Science Specialist 6630 - Networking 6900 - Business and Information Technology 8425 - Electronics Technology 8485 - Computer Repair Technology 8490 - Computer Systems Technology 9010 - Computer Technology
<u>Cisco Certified Networking Associate (CCNA) Examination</u>	Cisco Systems Inc.	2004 - Computer Science 3010 - Computer Science Specialist 6630 - Networking 6900 - Business and Information Technology 8425 - Electronics Technology 8485 - Computer Repair Technology 8490 - Computer Systems Technology 9010 - Computer Technology
<u>Cisco Certified Networking Professional (CCNP) Automation for Cisco Enterprise Solutions Examination</u>	Cisco Systems Inc.	2004 - Computer Science 3010 - Computer Science Specialist 6630 - Networking 6900 - Business and Information Technology 8425 - Electronics Technology 8485 - Computer Repair Technology 8490 - Computer Systems Technology 9010 - Computer Technology
<u>Cisco Certified Networking Professional (CCNP) Cisco SD-WAN Solutions Examination</u>	Cisco Systems Inc.	2004 - Computer Science 3010 - Computer Science Specialist 6630 - Networking 6900 - Business and Information Technology

BUSINESS AND INFORMATION TECHNOLOGY NAME OF CREDENTIAL	ISSUING ORGANIZATION	CAREER AND TECHNICAL EDUCATION (CTE) ENDORSEMENT AREAS
		8425 - Electronics Technology 8485 - Computer Repair Technology 8490 - Computer Systems Technology 9010 - Computer Technology
<u>Cisco Certified Networking Professional (CCNP) Designing Enterprise Wireless Networks Examination</u>	Cisco Systems Inc.	2004 - Computer Science 3010 - Computer Science Specialist 6630 - Networking 6900 - Business and Information Technology 8425 - Electronics Technology 8485 - Computer Repair Technology 8490 - Computer Systems Technology 9010 - Computer Technology
<u>Cisco Certified Networking Professional (CCNP) Implementing Cisco Enterprise Advanced Routing and Services Examination</u>	Cisco Systems Inc.	2004 - Computer Science 3010 - Computer Science Specialist 6630 - Networking 6900 - Business and Information Technology 8425 - Electronics Technology 8485 - Computer Repair Technology 8490 - Computer Systems Technology 9010 - Computer Technology
<u>Cisco Certified Networking Professional (CCNP) Implementing and Operating Enterprise Network Core Technologies Examination</u>	Cisco Systems Inc.	2004 - Computer Science 3010 - Computer Science Specialist 6630 - Networking 6900 - Business and Information Technology 8425 - Electronics Technology 8485 - Computer Repair Technology 8490 - Computer Systems Technology 9010 - Computer Technology

BUSINESS AND INFORMATION TECHNOLOGY NAME OF CREDENTIAL	ISSUING ORGANIZATION	CAREER AND TECHNICAL EDUCATION (CTE) ENDORSEMENT AREAS
Cisco Certified Networking Professional (CCNP) Implementing Enterprise Wireless Networks Examination	Cisco Systems Inc.	2004 - Computer Science 3010 - Computer Science Specialist 6630 - Networking 6900 - Business and Information Technology 8425 - Electronics Technology 8485 - Computer Repair Technology 8490 - Computer Systems Technology 9010 - Computer Technology
Cloud Essentials+ Certification Examination	CompTIA	6630 - Networking 6900 - Business and Information Technology 8425 - Electronics Technology 8490 - Computer Systems Technology
CodeHS Level 1 Certifications (pass any one)	CodeHS	6661 -Java Programming Oracle 6640- Programming 6641- Programming Advanced 6630- Design, Multimedia, and Web Technologies 6631-Design, Multimedia and Web Technologies Advanced 6632- Design, Multimedia, and Web Technologies 6633-Design, Multimedia, and Web Technologies Advanced
Communication Skills for Business Examination	Certiport	6900 - Business and Information Technology
Cyber Forensics Associate Examination	EC-Council	6900 - Business and Information Technology
Electronic Health Record Certification (EHRC) Examination	American Medical Certification Association (AMCA)	8624 – Medical Coding and Billing 6900 - Business and Information Technology 6910 - Medical Office Procedures 6000 - Bus. Educ.-General Office Procedures

BUSINESS AND INFORMATION TECHNOLOGY NAME OF CREDENTIAL	ISSUING ORGANIZATION	CAREER AND TECHNICAL EDUCATION (CTE) ENDORSEMENT AREAS
Ethical Hacking Associate Examination	EC-Council	6900 - Business and Information Technology
IC3 Digital Literacy Certification Examination	Certiport	6620 - Database Management 6630 - Networking 6900 - Business and Information Technology
Intuit QuickBooks Certified User Certification Test	Certiport	6900 - Business and Information Technology
IT Fundamentals Pro Examination	Test Out Corp.	6670- Information Technology Fundamentals
Linux+ Certification Examination	CompTIA	6620 - Database Management 6630 - Networking 6900 - Business and Information Technology
Medical Administrative Assistant Certification (MAAC) Examination	American Medical Certification Association (AMCA)	8624 – Medical Coding and Billing 6900 - Business and Information Technology 6910 - Medical Office Procedures 6000 - Bus. Educ.-General Office Procedures
Medical Coder and Biller (MCBC) Certification Examination	American Medical Certification Association (AMCA)	8624 – Medical Coding and Billing 6900 - Business and Information Technology 6910 - Medical Office Procedures 6000 - Bus. Educ.-General Office Procedures
Medical Coding and Billing Specialist (MCBS) Examination	American Allied Health (AAH)	8624 – Medical Coding and Billing 6900 - Business and Information Technology 6910 - Medical Office Procedures 6000 - Bus. Educ.-General Office Procedures
Microsoft Certified Educator Examination	Microsoft	6900 - Business and Information Technology

BUSINESS AND INFORMATION TECHNOLOGY NAME OF CREDENTIAL	ISSUING ORGANIZATION	CAREER AND TECHNICAL EDUCATION (CTE) ENDORSEMENT AREAS
Microsoft Certified Fundamentals Examinations (pass any one exam)	Microsoft	6900- Business and Information Technology
Microsoft Office Specialist (MOS) Examinations (pass any one exam)	Microsoft	6620 - Database Management 6630 - Networking 6900 - Business and Information Technology 6910 - Medical Office Procedures 6920 - Legal Office Procedures
Microsoft Technology Associate (MTA) Examinations (pass any one exam)	Microsoft	6620 - Database Management 6630 - Networking 6900 - Business and Information Technology
National Certified Insurance and Coding Specialist (NCICS) Examination	National Center for Competency Testing (NCCT)	8624 – Medical Coding and Billing 6900 - Business and Information Technology 6910 - Medical Office Procedures 6000 - Bus. Educ.-General Office Procedures
Nationally Registered Certified Administrative Health Assistant (NRCAHA) Examination	National Association for Health Professionals (NAHP)	8624 – Medical Coding and Billing 6900 - Business and Information Technology 6910 - Medical Office Procedures 6000 - Bus. Educ.-General Office Procedures
Nationally Registered Certified Coding Specialist (NRCCS) Examination	National Association for Health Professionals (NAHP)	8624 – Medical Coding and Billing 6900 - Business and Information Technology 6910 - Medical Office Procedures 6000 - Bus. Educ.-General Office Procedures
Network+ Certification Examination	CompTIA	6620 - Database Management 6630 - Networking 6900 - Business and Information Technology
Network Pro Certification Examination	TestOut Corp.	6620 - Database Management 6630 - Networking 6900 - Business and Information Technology

BUSINESS AND INFORMATION TECHNOLOGY NAME OF CREDENTIAL	ISSUING ORGANIZATION	CAREER AND TECHNICAL EDUCATION (CTE) ENDORSEMENT AREAS
Oracle Certified Foundations Associate Examinations (pass any one exam)	Oracle Academy	6620 - Database Management 6630 - Networking 6900 - Business and Information Technology
PC Pro Certification Examination	TestOut Corp.	6620 - Database Management 6630 - Networking 6900 - Business and Information Technology
Personal Financial Literacy Certification Examination	Center for Financial Responsibility (CFR)	6900 - Business and Information Technology
Security Pro Certification Examination	TestOut Corp.	6620 - Database Management 6630 - Networking 6900 - Business and Information Technology
Security+ Certification Examination	CompTIA	6620 - Database Management 6630 - Networking 6900 - Business and Information Technology
W!SE Financial Literacy Certification Test	Working in Support of Education (W!SE)	6900 - Business and Information Technology

FAMILY AND CONSUMER SCIENCES EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION	CAREER AND TECHNICAL EDUCATION (CTE) ENDORSEMENT AREAS
A*S*K Concepts of Entrepreneurship and Management Assessment	ASK Business Institute/MBA Research and Curriculum Center	8200 - Family and Consumer Sciences

FAMILY AND CONSUMER SCIENCES EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION	CAREER AND TECHNICAL EDUCATION (CTE) ENDORSEMENT AREAS
Broad Field Family and Consumer Sciences Assessment	American Association of Family and Consumer Sciences (AAFCS) *NOTE: This test may be taken at the annual Virginia Association for Teachers of Family and Consumer Sciences summer institute.	8200 - Family and Consumer Sciences 8240 - Consumer Services - Day Care 8245 - Occupational Foods 8250 - Fashion Design & Merchandising 8251 - Child Care Occupations 8252 - Food Occupations 8253 - Interior Design Occupations 8254 - Family & Human Services 8535 - Culinary Arts
Certified Front Desk Representative Examination (also listed in Marketing)	American Hotel and Lodging Educational Institute (AHLEI)	8200 - Family and Consumer Sciences 8245 - Occupational Foods
Certified Hospitality and Tourism Management Professional Examination (must pass Level 1 and Level 2) (also listed in Marketing)	American Hotel and Lodging Educational Institute (AHLEI)	8200 - Family and Consumer Sciences 8245 - Occupational Foods
Food Production Manager Certification	Always Food Safe	8275 Culinary Arts I 8276 Culinary Arts II 8279 Culinary Arts Specialization
ServSafe Food Protection Manager Certification Examination	National Restaurant Association	8200 - Family and Consumer Sciences 8245 - Occupational Foods 8252 - Food Occupations 8535 - Culinary Arts
W!SE Financial Literacy Certification Test	Working in Support of Education (W!SE)	8200 - Family and Consumer Sciences

HEALTH AND MEDICAL SCIENCES EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION	CAREER AND TECHNICAL EDUCATION (CTE) ENDORSEMENT AREAS
AAPC Medical Coding Examinations (pass any one exam)	American Academy of Professional Coders (AAPC)	8624 – Medical Coding and Billing 6900 - Business and Information Technology 6910 - Medical Office Procedures 6000 - Bus. Educ.-General Office Procedures
Certified Clinical Medical Assistant (CCMA) Examination	National Healthcareer Association (NHA)	8555 - Medical Assistant 8600 - Practical Nursing 8610 - Nursing Aide
Certified Coding and Billing Specialist (CBCS) Examination	National Healthcareer Association (NHA)	8624 – Medical Coding and Billing
Certified Dental Assistant and National Entry Level Dental Assistant: Infection Control (ICE) Examination	Dental Assisting National Board Inc.	8550 - Dental Aides
Certified Dental Assistant and National Entry Level Dental Assistant: Radiation Health & Safety (RHS) Examination	Dental Assisting National Board Inc.	8550 - Dental Aides
Certified Electronic Health Record Specialist (CEHRS) Examination	National Healthcareer Association	8624 – Medical Coding and Billing 6900 - Business and Information Technology 6910 - Medical Office Procedures 6000 - Bus. Educ.-General Office Procedures 8555 - Medical Assistant 8600 - Practical Nursing 8610 - Nursing Aide 8620 - Health and Medical Sciences
Certified EKG Technician (CET) Examination	American Allied Health (AAH)	8555 - Medical Assistant 8600 - Practical Nursing 8610 - Nursing Aide 8620 - Health and Medical Sciences

HEALTH AND MEDICAL SCIENCES EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION	CAREER AND TECHNICAL EDUCATION (CTE) ENDORSEMENT AREAS
Certified EKG Technician (CET) Examination	National Healthcareer Association	8555 - Medical Assistant 8600 - Practical Nursing 8610 - Nursing Aide 8620 - Health and Medical Sciences
Certified Emergency Telecommunicator Examination	International Academies of Emergency Dispatch (IAED)	8555 - Medical Assistant 8557 - Emergency Medical Technician 8600 - Practical Nursing 8610 - Nursing Aide 8620 - Health and Medical Sciences
Certified Group Fitness Instructor Examination	Athletics and Fitness Association of America	8617 - Sports Medicine/Athletic Trainer
Certified Medical Administrative Assistant (CMAA) Examination	National Healthcareer Association	8555 - Medical Assistant 8600 - Practical Nursing 8610 - Nursing Aide 8620 - Health and Medical Sciences
Clinical Medical Assistant Certification (CMAC) Examination	American Medical Certification Association (AMCA)	8555 - Medical Assistant 8600 - Practical Nursing 8610 - Nursing Aide 8620 - Health and Medical Sciences
Certified Nurse Aide Examination	Virginia Board of Nursing	8600 - Practical Nursing 8610 - Nursing Aide
Certified Optometric Assistant (COA) Examination	American Allied Health (AAH)	8549 - Vision Care Technician
Certified Patient Care Technician (CPCT) Examination	American Allied Health	8600 - Practical Nursing 8610 - Nursing Aide 8620 - Health and Medical Sciences

HEALTH AND MEDICAL SCIENCES EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION	CAREER AND TECHNICAL EDUCATION (CTE) ENDORSEMENT AREAS
<u>Certified Patient Care Technician (CPCT/A) Examination</u>	National Healthcareer Association	8600 - Practical Nursing 8610 - Nursing Aide
<u>Certified Personal Trainer Examination</u>	National Academy of Sports Medicine (NASM)	8617 - Sports Medicine/Athletic Trainer 8615 - Occupational/Physical Therapy Assistant
<u>Certified Pharmacy Technician (CPhT) Examination</u>	Pharmacy Technician Certification Board (PTCB)	8623 - Pharmacy Technician
<u>Certified Phlebotomy Technician (CPT) Examination</u>	American Allied Health (AAH)	8555 - Medical Assistant 8600 - Practical Nursing 8610 - Nursing Aide 8620 - Health and Medical Sciences 8556 - Medical Laboratory Technician
<u>Certified Phlebotomy Technician (CPT) Examination</u>	National Healthcareer Association	8555 - Medical Assistant 8600 - Practical Nursing 8610 - Nursing Aide 8620 - Health and Medical Sciences 8556 - Medical Laboratory Technician
<u>Certified Physical Therapy Aide (CPTA) Examination</u>	American Allied Health	8615 - Occupational/Physical Therapy Assistant
<u>Certified Surgical Technologist (CST) Examination</u>	National Board of Surgical Technology and Surgical Assisting (NBSTSA)	8710 - Surgical Technology - Core Instructor 8711 - Surgical Technology - Program Director
<u>Dental Support Technician Certification (DSTC) Examination</u>	American Medical Certification Association (AMCA)	8550 - Dental Aides

HEALTH AND MEDICAL SCIENCES EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION	CAREER AND TECHNICAL EDUCATION (CTE) ENDORSEMENT AREAS
EKG Technician Certification (ETC) Examination	American Medical Certification Association (AMCA)	8555 - Medical Assistant 8557 - Emergency Medical Technician 8600 - Practical Nursing 8610 - Nursing Aide
Electronic Health Record Certification (EHRC) Examination	American Medical Certification Association (AMCA)	8624 – Medical Coding and Billing 6900 - Business and Information Technology 6910 - Medical Office Procedures 6000 - Bus. Educ.-General Office Procedures 8555 - Medical Assistant 8600 - Practical Nursing 8610 - Nursing Aide 8620 - Health and Medical Sciences
Emergency Medical Responder Examination	Virginia Department of Health, Office of Emergency Medical Services	8557 - Emergency Medical Technician
Emergency Medical Technician Examination	Virginia Department of Health, Office of Emergency Medical Services	8557 - Emergency Medical Technician
Examination for Certification of Pharmacy Technicians (ExCPT)	National Healthcareer Association (NHA)	8623 - Pharmacy Technician
Limited Licensed Radiology Technologist (LLRT) Examination	American Allied Health	8558-Radiologic Technology
Medical Administrative Assistant Certification (MAAC) Examination	American Medical Certification Association (AMCA)	8555 - Medical Assistant 8600 - Practical Nursing 8610 - Nursing Aide 8620 - Health and Medical Sciences

HEALTH AND MEDICAL SCIENCES EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION	CAREER AND TECHNICAL EDUCATION (CTE) ENDORSEMENT AREAS
Medical Assistant Certification (MAC) Examination	American Medical Certification Association (AMCA)	8555 - Medical Assistant 8600 - Practical Nursing 8610 - Nursing Aide
Medical Coder and Biller (MCBC) Certification Examination	American Medical Certification Association (AMCA)	8624 – Medical Coding and Billing 6900 - Business and Information Technology 6910 - Medical Office Procedures 6000 - Bus. Educ.-General Office Procedures
Medical Coding and Billing Specialist (MCBS) Examination	American Allied Health	8624 – Medical Coding and Billing 6900 - Business and Information Technology 6910 - Medical Office Procedures 6000 - Bus. Educ.-General Office Procedures
Mental Health Technician Certification (MHTC) Examination	American Medical Certification Association (AMCA)	8600 - Practical Nursing 8610 - Nursing Aide 8620 - Health and Medical Sciences
National Certified Insurance and Coding Specialist (NCICS) Examination	National Center for Competency Testing (NCCT)	8624 – Medical Coding and Billing 6900 - Business and Information Technology 6910 - Medical Office Procedures 6000 - Bus. Educ.-General Office Procedures
National Certified Medical Assistant (NCMA) Examination	National Center for Competency Testing (NCCT)	8555 - Medical Assistant 8600 - Practical Nursing 8610 - Nursing Aide 8620 - Health and Medical Sciences
National Certified Patient Care Technician (NCPCT) Examination	National Center for Competency Testing (NCCT)	8600 - Practical Nursing 8610 - Nursing Aide 8620 - Health and Medical Sciences
National Certified Phlebotomy Technician (NCPT) Examination	National Center for Competency Testing (NCCT)	8555 - Medical Assistant 8600 - Practical Nursing 8610 - Nursing Aide 8620 - Health and Medical Sciences 8556 - Medical Laboratory Technician

HEALTH AND MEDICAL SCIENCES EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION	CAREER AND TECHNICAL EDUCATION (CTE) ENDORSEMENT AREAS
<u>National Entry Level Dental Assistant: Anatomy, Morphology and Physiology (AMP) Examination</u>	Dental Assisting National Board Inc.	8550 - Dental Aides
<u>Nationally Registered Certified Administrative Health Assistant (NRCAHA) Examination</u>	National Association for Health Professionals (NAHP)	8555 - Medical Assistant 8600 - Practical Nursing 8610 - Nursing Aide 8620 - Health and Medical Sciences
<u>Nationally Registered Certified Coding Specialist (NRCCS) Examination</u>	National Association for Health Professionals (NAHP)	8624 – Medical Coding and Billing 6900 - Business and Information Technology 6910 - Medical Office Procedures 6000 - Bus. Educ.-General Office Procedures
<u>Nationally Registered Credentialed Dental Assistant (NRCDA) Examination</u>	National Association for Health Professionals (NAHP)	8550 - Dental Aides
<u>Nationally Registered Certified EKG Technician (NRCEKGT) Examination</u>	National Association for Health Professionals (NAHP)	8555 - Medical Assistant 8600 - Practical Nursing 8610 - Nursing Aide 8620 - Health and Medical Sciences
<u>Nationally Registered Certified Medical Assistant (NRCMA) Examination</u>	National Association for Health Professionals (NAHP)	8555 -Medical Assistant 8600 - Practical Nursing 8610 - Nursing Aide 8620 - Health and Medical Sciences
<u>Nationally Registered Certified Patient Care Technician (NRCPCT) Examination</u>	National Association for Health Professionals (NAHP)	8600 - Practical Nursing 8610 - Nursing Aide 8620 - Health and Medical Sciences
<u>Nationally Registered Certified Pharmacy Technician (NRCPhT) Examination</u>	National Association for Health Professionals (NAHP)	8623 - Pharmacy Technician

HEALTH AND MEDICAL SCIENCES EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION	CAREER AND TECHNICAL EDUCATION (CTE) ENDORSEMENT AREAS
<u>Nationally Registered Certified Phlebotomy Technician (NRCPT) Examination</u>	National Association for Health Professionals (NAHP)	8555 - Medical Assistant 8600 - Practical Nursing 8610 - Nursing Aide 8620 - Health and Medical Sciences 8556 - Medical Laboratory Technician
<u>Nationally Registered Certified Surgical Technician (NRCST) Examination</u>	National Association for Health Professionals (NAHP)	8710 - Surgical Technology - Core Instructor 8711 - Surgical Technology - Program Director
<u>Patient Care Technician Certification (PCTC) Examination</u>	American Medical Certification Association (AMCA)	8600 - Practical Nursing 8610 - Nursing Aide 8620 - Health and Medical Sciences
<u>Phlebotomy Technician Certification (PTC) Examination</u>	American Medical Certification Association (AMCA)	8555 - Medical Assistant 8600 - Practical Nursing 8610 - Nursing Aide 8556 - Medical Laboratory Technician
<u>Physical Therapy Technician Certification (PTTC) Examination</u>	American Medical Certification Association (AMCA)	8615 - Occupational/Physical Therapy Assistant
<u>Registered Medical Assistant (RMA) Examination</u>	American Allied Health (AAH)	8555 - Medical Assistant 8600 - Practical Nursing 8610 - Nursing Aide 8620 - Health and Medical Sciences
<u>Tech in Surgery-Certified (TS-C) Examination</u>	National Center for Competency Testing (NCCT)	8710 - Surgical Technology - Core Instructor 8711 - Surgical Technology - Program Director

MARKETING NAME OF CREDENTIAL	ISSUING ORGANIZATION	CAREER AND TECHNICAL EDUCATION (CTE) ENDORSEMENT AREAS
A*S*K Concepts of Entrepreneurship and Management Assessment	ASK Business Institute	8100 - Marketing Education 8140 - International Marketing
A*S*K Concepts of Finance Assessment	ASK Business Institute	8100 - Marketing Education 8140 - International Marketing
A*S*K Fundamental Marketing Concepts Assessment	ASK Business Institute	8100 - Marketing Education 8110 - Apparel and Accessories 8130 - Hotel/Motel Operations 8140 - International Marketing 8170 - Sports/Entertainment/Recreation 8180 - Travel and Tourism
Business of Retail: Operations and Profit Examination	NRF Foundation	8100 - Marketing Education 8110 - Apparel and Accessories 8130 - Hotel/Motel Operations 8140 - International Marketing 8170 - Sports/Entertainment/Recreation 8180 - Travel and Tourism
Certified Front Desk Representative Examination (also listed in Family & Consumer Sciences Education)	American Hotel and Lodging Association (AH&LA)	8100 - Marketing Education 8130 - Hotel/Motel Operations 8180 – Travel and Tourism
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)	8100 - Marketing Education 8130 - Hotel/Motel Operations 8180 – Travel and Tourism

MARKETING NAME OF CREDENTIAL	ISSUING ORGANIZATION	CAREER AND TECHNICAL EDUCATION (CTE) ENDORSEMENT AREAS
Customer Service and Sales Certification Assessment	NRF Foundation	8100 - Marketing Education 8110 - Apparel and Accessories 8130 - Hotel/Motel Operations 8140 - International Marketing 8170 - Sports/Entertainment/Recreation 8180 - Travel and Tourism
Microsoft Office Specialist (MOS) Examinations (pass any one exam)	Microsoft	8100 - Marketing Education
Retail Industry Fundamentals Certification Assessment	NRF Foundation	8100 - Marketing Education 8110 - Apparel and Accessories
W!SE Financial Literacy Certification Test	Working in Support of Education (W!SE)	8100 - Marketing Education 8140 - International Marketing

MILITARY SCIENCE NAME OF CREDENTIAL	ISSUING ORGANIZATION	CAREER AND TECHNICAL EDUCATION (CTE) ENDORSEMENT AREAS
	NOTE: Qualification Training Certificate - issued by Junior Reserve Officers' Training Corps	9000 - JROTC Instructor

TECHNOLOGY EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION	CAREER AND TECHNICAL EDUCATION (CTE) ENDORSEMENT AREAS
Additive Manufacturing Fundamentals Examination	ToolingU-SME	7200 - Technology Education

TECHNOLOGY EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION	CAREER AND TECHNICAL EDUCATION (CTE) ENDORSEMENT AREAS
ArcGIS Desktop Entry Certification Examination	Environmental Systems Research Institute (ESRI)	7200 - Technology Education
Architectural Apprentice Drafter Examination	American Design Drafting Association (ADDA)	7200 - Technology Education
Architectural Certified Drafter Examination	American Design Drafting Association (ADDA)	7200 - Technology Education
Adobe Certified Professional Examinations (pass any one exam)	Adobe Systems Inc.	7200 - Technology Education
Autodesk Certified User Examinations (pass any one exam)	Autodesk	7200 - Technology Education
Business Certificate for Manufacturing Examination	Manufacturing Skills Institute (MSI)	7200 - Technology Education
Certified Logistics Associate (CLA) Examination	Manufacturing Skills Standards Council (MSSC)	7200 - Technology Education
Certified Logistics Technician (CLT) Associate Examination	Manufacturing Skills Standards Council (MSSC)	7200 - Technology Education
Certified Production Technician Program Examinations (pass any one exam)	Manufacturing Skill Standards Council (MSSC)	7200 - Technology Education
Certified Robot-Operator 1 Assessment	FANUC America Corp.	7200 - Technology Education
Certified SOLIDWORKS Associate (CSWA) Examination	SOLIDWORKS Corp.	7200 - Technology Education

TECHNOLOGY EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION	CAREER AND TECHNICAL EDUCATION (CTE) ENDORSEMENT AREAS
Digital Video Editor (DVE) Examination	Electronics Technicians Association (ETA), International	7200 - Technology Education
Energy Industry Fundamentals Certificate Assessment	Center for Energy Workforce Development	7200 - Technology Education
IC3 Digital Literacy Certification Examination	Certiport	7200 - Technology Education
Laboratory Technician Certification Examination	Manufacturing Skills Institute (MSI)	7200 - Technology Education
Manufacturing Specialist Certification Examination	Manufacturing Skills Institute (MSI)	7200 - Technology Education
Manufacturing Technician Level 1 Certification Examination	Manufacturing Skills Institute (MSI)	7200 - Technology Education
Mechanical Apprentice Drafter Examination	American Design Drafting Association (ADDA)	7200 - Technology Education
Mechanical Certified Drafter Examination	American Design Drafting Association (ADDA)	7200 - Technology Education
Mechatronics Systems Certification Examinations (pass any one exam)	Siemens AG	7200 - Technology Education
Microsoft Office Specialist (MOS) Examinations (pass any one exam)	Microsoft	7200 - Technology Education
Microsoft Technology Associate (MTA) Examinations (pass any one exam)	Microsoft	7200 - Technology Education

TECHNOLOGY EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION	CAREER AND TECHNICAL EDUCATION (CTE) ENDORSEMENT AREAS
Modeling and Simulation Certification Examination	National Center for Simulation	7200 - Technology Education
Pre-Engineering Certification Examinations	Robotics Education Competition Foundation (RECF)	7200 - Technology Education
Pre-Manufacturing Technician 1 (PreMT1) Examination	Manufacturing Skills Institute (MSI)	7200 - Technology Education
Rapid Prototyping & 3D Design Beginner Certification Examination	Digital Quest	7200 - Technology Education
Robotics Certification Examinations	Robotics Education Competition Foundation (RECF)	7200 - Technology Education
Smart Manufacturing and Advanced Robotics Training (SMART) Certification	Carnegie Mellon Robotics Academy	8421- Technology of Robotic Design 8416- Electronic Systems I
Spatial Projects and Community Exchange (SPACE) Examination	Digital Quest Inc.	7200 - Technology Education
Spatial Technology and Remote Sensing (STARS) Certification Examination	Digital Quest Inc.	7200 - Technology Education
Stratasys Additive Manufacturing Certification–Level 1 Examination	Stratasys	7200 - Technology Education
Unity Certified User Examinations (pass any one)	Unity Technologies	7200 - Technology Education

TRADE AND INDUSTRIAL EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION	CAREER AND TECHNICAL EDUCATION (CTE) ENDORSEMENT AREAS
A+ Certification Examination	CompTIA	8425 - Electronics Technology 8490 - Computer Systems Technology 8560 - Printing
Adobe Certified Professional Examinations (pass any one exam)	Adobe Systems Inc.	8401 - Commercial Photography 8530 - Advertising Design 8563 – Graphic Imaging Technology 8625 – Television Production
Air Conditioning Employment Ready Examination	HVAC Excellence	8515 - Heating, Ventilation, Air Conditioning and Refrigeration
Air Cooled Gasoline Engines Expert Technician Test	Kohler Engines	8418 – Small Engine Repair
Architectural Apprentice Drafter Examination	American Design Drafting Association (ADDA)	8465 - Drafting
Architectural Certified Drafter Examination	American Design Drafting Association (ADDA)	8465 - Drafting
ASE Teacher Certification Examinations	National Institute for Automotive Service Excellence (ASE)	8410 - Automotive Technology 8412 - Diesel Equipment Technology 8419 - Motor Sports Technology 8415 – Auto Body Repair
Associate Certified Electronics Technician (CETa) Examination	Electronics Technicians Association (ETA) International	8425 - Electronics Technology 8541 - Industrial Robotics
Autodesk Certified Professional Examinations (pass any one exam)	Autodesk	8465 - Drafting
Autodesk Certified User Examinations (pass any one exam)	Autodesk	8465 - Drafting

TRADE AND INDUSTRIAL EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION	CAREER AND TECHNICAL EDUCATION (CTE) ENDORSEMENT AREAS
Avid Certified Professional for Media Composer Certification Examination	Avid	8625 - Television Production 8563 - Graphic Imaging Technology 7200 - Technology Education
Avid Certified User for Media Composer Certification Examination	Avid	8625 - Television Production 8563 - Graphic Imaging Technology 7200 - Technology Education
Barbers Examination	Board of Barbers and Cosmetology (Virginia Department of Professional and Occupational Regulation)	8470 - Barbering 8475 - Cosmetology
Basic Refrigeration & Charging Procedures Employment Ready Examination	HVAC Excellence	8515 - Heating, Ventilation, Air Conditioning and Refrigeration
Carbon Monoxide and Combustion Analysis Employment Ready Examination	HVAC Excellence	8515 - Heating, Ventilation, Air Conditioning and Refrigeration
Carbon Monoxide Safety Employment Ready Examination	HVAC Excellence	8515 - Heating, Ventilation, Air Conditioning and Refrigeration
Carpentry Level One Entry-Level Assessment	National Center for Construction Education & Research (NCCER)	8430 - Building Trades 8431 - Carpentry 8434 - Cabinetmaking
Certified Alarm Security Technician (CAST) Examination	Electronics Technicians Association (ETA) International	8425 - Electronics Technology
Certified Broadcast Technologist (CBT) Examination	The Society of Broadcast Engineers (SBE)	8425 - Electronics Technology 8626 - Radio Communication 8625 - Television Production

TRADE AND INDUSTRIAL EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION	CAREER AND TECHNICAL EDUCATION (CTE) ENDORSEMENT AREAS
Certified Radio Operator (CRO) Examination	The Society of Broadcast Engineers (SBE)	8425 - Electronics Technology 8626 - Radio Communication
Certified Satellite Installer (CSI) Examination	Electronics Technicians Association (ETA) International	8425 - Electronics Technology
Certified Television Operator (CTO) Examination	The Society of Broadcast Engineers (SBE)	8425 - Electronics Technology 8625 - Television Production
Cisco Certified CyberOps Associate Examination	Cisco Systems Inc.	2004 - Computer Science 3010 - Computer Science Specialist 6630 - Networking 6900 - Business and Information Technology 8425 - Electronics Technology 8485 - Computer Repair Technology 8490 - Computer Systems Technology 9010 - Computer Technology
Cisco Certified DevNet Associate Examination	Cisco Systems Inc.	2004 - Computer Science 3010 - Computer Science Specialist 6630 - Networking 6900 - Business and Information Technology 8425 - Electronics Technology 8485 - Computer Repair Technology 8490 - Computer Systems Technology 9010 - Computer Technology
Cisco Certified Networking Associate (CCNA) Examination	Cisco Systems Inc.	2004 - Computer Science 3010 - Computer Science Specialist 6630 - Networking 6900 - Business and Information Technology 8425 - Electronics Technology

TRADE AND INDUSTRIAL EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION	CAREER AND TECHNICAL EDUCATION (CTE) ENDORSEMENT AREAS
		8485 - Computer Repair Technology 8490 - Computer Systems Technology 9010 - Computer Technology
<u>Cisco Certified Networking Professional (CCNP) Automation for Cisco Enterprise Solutions Examination</u>	Cisco Systems Inc.	2004 - Computer Science 3010 - Computer Science Specialist 6630 - Networking 6900 - Business and Information Technology 8425 - Electronics Technology 8485 - Computer Repair Technology 8490 - Computer Systems Technology 9010 - Computer Technology
<u>Cisco Certified Networking Professional (CCNP) Cisco SD-WAN Solutions Examination</u>	Cisco Systems Inc.	2004 - Computer Science 3010 - Computer Science Specialist 6630 - Networking 6900 - Business and Information Technology 8425 - Electronics Technology 8485 - Computer Repair Technology 8490 - Computer Systems Technology 9010 - Computer Technology
<u>Cisco Certified Networking Professional (CCNP) Designing Enterprise Wireless Networks Examination</u>	Cisco Systems Inc.	2004 - Computer Science 3010 - Computer Science Specialist 6630 - Networking 6900 - Business and Information Technology 8425 - Electronics Technology 8485 - Computer Repair Technology 8490 - Computer Systems Technology 9010 - Computer Technology
<u>Cisco Certified Networking Professional (CCNP) Implementing</u>	Cisco Systems Inc.	2004 - Computer Science 3010 - Computer Science Specialist 6630 - Networking

TRADE AND INDUSTRIAL EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION	CAREER AND TECHNICAL EDUCATION (CTE) ENDORSEMENT AREAS
<u>Cisco Enterprise Advanced Routing and Services Examination</u>		6900 - Business and Information Technology 8425 - Electronics Technology 8485 - Computer Repair Technology 8490 - Computer Systems Technology 9010 - Computer Technology
<u>Cisco Certified Networking Professional (CCNP) Implementing and Operating Enterprise Network Core Technologies Examination</u>	Cisco Systems Inc.	2004 - Computer Science 3010 - Computer Science Specialist 6630 - Networking 6900 - Business and Information Technology 8425 - Electronics Technology 8485 - Computer Repair Technology 8490 - Computer Systems Technology 9010 - Computer Technology
<u>Cisco Certified Networking Professional (CCNP) Implementing Enterprise Wireless Networks Examination</u>	Cisco Systems Inc.	2004 - Computer Science 3010 - Computer Science Specialist 6630 - Networking 6900 - Business and Information Technology 8425 - Electronics Technology 8485 - Computer Repair Technology 8490 - Computer Systems Technology 9010 - Computer Technology
<u>Combustion Appliance Zone Employment Ready Examination</u>	HVAC Excellence	8515 - Heating, Ventilation, Air Conditioning and Refrigeration
<u>Computer Service Technician (CST) Examination</u>	Electronics Technicians Association (ETA) International	8425 - Electronics Technology 8490 - Computer Systems Technology

TRADE AND INDUSTRIAL EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION	CAREER AND TECHNICAL EDUCATION (CTE) ENDORSEMENT AREAS
Construction Technologist Entry-Level Assessment	National Center for Constructional Education & Research (NCCER)	8420 - Electricity 8426 - Building and Grounds Maintenance 8427 - Building Maintenance 8430 - Building Trades 8431 - Carpentry 8440 - Sheet Metal 8443 - Masonry 8510 - Plumbing 8580 - Welding
Core: Introductory Craft Skills Entry-Level Assessment	National Center for Construction Education & Research (NCCER)	8420 - Electricity 8426 - Building and Grounds Maintenance 8427 - Building Maintenance 8430 - Building Trades 8431 - Carpentry 8440 - Sheet Metal 8443 - Masonry 8510 - Plumbing 8580 - Welding
Cybersecurity Analyst (CSA+) Examination	CompTIA	6630 - Networking 6900 - Business and Information Technology 8425 – Electronics Technology 8490 – Computer Systems Technology
Data Cabling Installer (DCI) Examination	Electronics Technicians Association (ETA) International	8420 - Electricity 8425 - Electronics Technology
Electric Heat Employment Ready Examination	HVAC Excellence	8515 - Heating, Ventilation, Air Conditioning and Refrigeration

TRADE AND INDUSTRIAL EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION	CAREER AND TECHNICAL EDUCATION (CTE) ENDORSEMENT AREAS
Electrical Employment Ready Examination	HVAC Excellence	8515 - Heating, Ventilation, Air Conditioning and Refrigeration
Electrician Level One Entry-Level Assessment	National Center for Construction Education & Research (NCCER)	8420 - Electricity 8430 - Building Trades
Electronics Module: AC (EM2) Examination	Electronics Technicians Association (ETA) International	8425 - Electronics Technology
Electronics Module: Analog (EM3) Examination	Electronics Technicians Association (ETA) International	8425 - Electronics Technology
Electronics Module: Comprehensive Basic (EM5) Examination	Electronics Technicians Association (ETA) International	8425 - Electronics Technology
Electronics Module: DC (EM1) Examination	Electronics Technicians Association (ETA) International	8425 - Electronics Technology
Electronics Module: Digital (EM4) Examination	Electronics Technicians Association (ETA) International	8425 - Electronics Technology
EPA Technician Examinations (pass any one exam)	Environmental Protection Agency (Authorized Entity)	8515 - Heating, Ventilation, Air Conditioning and Refrigeration 8542 – Industrial Maintenance Technology
Festo NC3 Introduction to Mechatronics STEM Lab Certification	NC3 National Coalition of Certification Centers	8554- Mechatronics I 8555- Mechatronics II 8556- Mechatronics III

TRADE AND INDUSTRIAL EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION	CAREER AND TECHNICAL EDUCATION (CTE) ENDORSEMENT AREAS
Festo NC3 Level 1: Fundamentals Certifications (pass any one)	NC3 National Coalition of Certification Centers	8554-Mechatronics I 8555-Mechatronics II 8556-Mechatronics III
Fiber Optics Installer (FOI) Examination	Electronics Technicians Association (ETA) International	8425 - Electronics Technology
Firefighter I Certification Examination	Virginia Department of Fire Programs	8630 - Firefighting
Firefighter II Certification Examination	Virginia Department of Fire Programs	8630 - Firefighting
Flux Core Arc Welding (FCAW) Examination	American Welding Society (AWS)	8580 - Welding 8000 - Agricultural Education 8008 - Agricultural Machinery Service
Fuel Oil Combustion Employment Ready Examination	HVAC Excellence	8515 - Heating, Ventilation, Air Conditioning and Refrigeration
Gas Heat Employment Ready Examination	HVAC Excellence	8515 - Heating, Ventilation, Air Conditioning and Refrigeration
Gas Metal Arc Welding (GMAW) Examination	American Welding Society (AWS)	8580 - Welding 8000 - Agricultural Education 8008 - Agricultural Machinery Service
Gas Tungsten Arc Welding (GTAW) Examination	American Welding Society (AWS)	8580 - Welding 8000 - Agricultural Education 8008 - Agricultural Machinery Service
General Communications Technician– Level 1 (GCT1) Examination	Electronics Technicians Association (ETA) International	8425 - Electronics Technology

TRADE AND INDUSTRIAL EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION	CAREER AND TECHNICAL EDUCATION (CTE) ENDORSEMENT AREAS
General Radiotelephone Operator (GRO) Examination	Federal Communications Commission (FCC)	8425 - Electronics Technology 8626 - Radio Communication
Heat Pump Employment Ready Examination	HVAC Excellence	8515 - Heating, Ventilation, Air Conditioning and Refrigeration
Heating, Electrical, Air Conditioning Technology (HEAT) Examination	HVAC Excellence	8515 - Heating, Ventilation, Air Conditioning and Refrigeration
Heavy Equipment Operator Level One Entry-Level Assessment	National Center for Construction Education & Research (NCCER)	8413 - Utility/Heavy Construction Technician 8416 - Heavy Equipment Operations
HVAC Level One Entry-Level Assessment	National Center for Construction Education & Research (NCCER)	8515 - Heating, Ventilation, Air Conditioning and Refrigeration
Industrial Technology Maintenance– Level 1 Examinations (pass any one exam)	National Institute for Metalworking Skills (NIMS)	8542 – Industrial Maintenance Technology
Installer (or Service) Core (HVAC/R) Examination	North American Technician Excellence Inc. (NATE)	8515 - Heating, Ventilation, Air Conditioning and Refrigeration
International Code Council Residential Building Inspector (B1) Examination	International Code Council (ICC)	8431 - Carpentry 8430 - Building Trades
International Code Council Residential Electrical Inspector (E1) Examination	International Code Council (ICC)	8420 - Electricity 8430 - Building Trade
International Code Council Residential Mechanical (HVAC) Inspector (M1) Examination	International Code Council (ICC)	8515 - HVAC

TRADE AND INDUSTRIAL EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION	CAREER AND TECHNICAL EDUCATION (CTE) ENDORSEMENT AREAS
International Code Council Residential Plumbing Inspector (P1) Examination	International Code Council (ICC)	8510 - Plumbing 8430 - Building Trades
IT Fundamentals+ (ITF+) Certification Examination	CompTIA	8425 – Electronics Technology 8490 – Computer Systems Technology
Light Commercial Refrigeration Employment Ready Examination	HVAC Excellence	8515 - Heating, Ventilation, Air Conditioning and Refrigeration
macOS Support Essentials Examination	Apple Inc.	6900 - Business and Information Technology 6630 - Networking 8425 - Electronic Technology 8490 - Computer Systems Technology 9010 - Computer Technology
Machining-Level 1 Examinations (pass any one exam with performance component)	National Institute for Metalworking Skills (NIMS)	8451 - Precision Machine Technology
Manufacturing Specialist Certification Examination	Manufacturing Skills Institute (MSI)	8451 - Precision Machine Technology 8542 – Industrial Maintenance Technology 8541 - Industrial Robotics
Manufacturing Technician Level 1 Certification Examination	Manufacturing Skills Institute (MSI)	8451 - Precision Machine Technology 8542 – Industrial Maintenance Technology 8541 - Industrial Robotics
Masonry Level One Entry-Level Assessment	National Center for Construction Education & Research (NCCER)	8443 – Masonry
Master Service Technician Examinations (pass any one exam)	Briggs & Stratton Corporation	8418 - Small Engine Repair

TRADE AND INDUSTRIAL EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION	CAREER AND TECHNICAL EDUCATION (CTE) ENDORSEMENT AREAS
Mechanical Apprentice Drafter Examination	American Design Drafting Association (ADDA)	8465 - Drafting
Mechanical Certified Drafter Examination	American Design Drafting Association (ADDA)	8465 - Drafting
Mobile Communications and Electronics Installer (MCEI) Examination	Electronics Technicians Association (ETA) International	8425 - Electronics Technology
Nail Technician Examination	Board of Barbers and Cosmetology (Virginia Department of Professional and Occupational Regulation)	8475 - Cosmetology 8477 - Nail Technician
Natural Gas Combustion Employment Ready Examination	HVAC Excellence	8515 - Heating, Ventilation, Air Conditioning and Refrigeration
Non-Structural Technician-ProLevel 1 Certification Test	ICAR	8415 - Automotive Body Repair
Official Motor Vehicle Inspector Examination	Virginia State Police	8506-Automotive Technology I 8507-Automotive Technology II 8508-Automotive Technology III 8502-Automotive Technology I (MLR 3-year program)
Photovoltaic Installer-Level 1 (PV1) Examination	Electronics Technicians Association (ETA) International	8420 – Electricity 8430 - Building Trades
Plumbing Level One Entry-Level Assessment	National Center for Construction Education & Research (NCCER)	8430 - Building Trades 8510 – Plumbing
Principles of Small Engine Technology Certification Examination	Equipment & Engine Training Council (EETC)	8418 - Small Engine Repair

TRADE AND INDUSTRIAL EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION	CAREER AND TECHNICAL EDUCATION (CTE) ENDORSEMENT AREAS
Refinish Technician-ProLevel 1 Certification Test	ICAR	8415 - Automotive Body Repair
Residential & Light Commercial Hydronic Heat Employment Ready Examination	HVAC Excellence	8515 - Heating, Ventilation, Air Conditioning and Refrigeration
SENSE Training Program Certification Examination (Level 1, Entry-Level Welder)	American Welding Society (AWS)	8580 - Welding
Shielded Metal Arc Welding (SMAW) Examination	American Welding Society (AWS)	8580 - Welding 8000 - Agricultural Education 8008 - Agricultural Machinery Service
Smart Automation Associate Certifications (pass any one)	Smart Automation Certification Alliance (SACA)	8421- Technology of Robotic Design 8554-Mechatronics I 8555- Mechatronics II 8556- Mechatronics III 8558-Industrial Robotics Technology
Telecommunications Electronics Technician (TCM) Examination	Electronics Technicians Association (ETA) International	8425 - Electronics Technology 8490 - Computer Systems Technology
Virginia Cosmetology Examination	Board of Barbers and Cosmetology (Virginia Department of Professional and Occupational Regulation)	8470 - Barbering 8475 - Cosmetology
Welding Level One Entry-Level Assessment	National Center for Construction Education & Research (NCCER)	8580 - Welding

TRADE AND INDUSTRIAL EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION	CAREER AND TECHNICAL EDUCATION (CTE) ENDORSEMENT AREAS
	<p>*NOTE: For industry credentialing information for this endorsement area, please contact the Virginia Department of Education, Office of Career and Technical Education Services at cte@doe.virginia.gov</p>	<p>*8411 - Aviation Maintenance Technology</p>