

*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.A., D.6, Code of Virginia
Effective July 1, 2014**

Amended and Re-enacted by the 2015 General Assembly

Effective July 1, 2015

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

BACKGROUND INFORMATION

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 400 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.

HOUSE BILL 2137 REQUIREMENT

The 2015 General Assembly passed [House Bill 2137](#) that amends and re-enacts Section § 22.1-298.1 of the *Code of Virginia* regarding teachers seeking an **initial** license in an area of career and technical education, effective July 1, 2015.

The 2015 legislation states, in part, the following (new language from HB 2137 in italics):

1.A. As used in this section:

"Industry certification credential" means *an active career and technical education credential that is earned by successfully completing a Board of Education-approved industry certification examination, being issued a professional license in the Commonwealth, or successfully completing an occupational competency examination.*

D.6. 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.*

Related legislation, [House Bill 758](#), was first enacted in the 2014 General Assembly that amended and re-enacted Section § 22.1-298.1 of the *Code of Virginia* regarding teachers seeking **initial** licensing in the area of career and technical education, effective July 1, 2014.

The 2014 legislation stated, in part, the following:

1.A. As used in this section:

"Industry certification credential" means *a career and technical education credential that is earned by successfully completing a Board of Education-approved industry certification examination, being issued a state professional license, or successfully completing an occupational competency examination....*

D.6. *Every teacher seeking initial licensure 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.*

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 yellow highlighted “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.

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FREQUENTLY ASKED QUESTIONS AND ANSWERS

- 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.

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FREQUENTLY ASKED QUESTIONS AND ANSWERS

- 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](#).**

2017-2018 VIRGINIA TEACHER-ELIGIBLE INDUSTRY CREDENTIALING ASSESSMENTS

The 2015 General Assembly approved HB 2137, which permits the Board of Education, upon request of the employing school division or education agency, to issue a provisional license to a teacher seeking an initial license in the Commonwealth who has not attained an industry certification credential in the area in which the teacher seeks endorsement.

The 2014 General Assembly approved House Bill 758 that amends and re-enacts Section 22.1-298.1 of the *Code of Virginia* regarding initial licensing in the area of career and technical education. The law became effective July 1, 2014. House Bill 758 states, in part, the following:

1.A. As used in this section: "Industry certification credential" means a career and technical education credential that is earned by successfully completing a Board of Education-approved industry certification examination, being issued a state professional license, or successfully completing an occupational competency examination....

D.6. Every teacher seeking initial licensure 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.

NAME OF CREDENTIAL	ISSUING ORGANIZATION	CAREER AND TECHNICAL EDUCATION (CTE) ENDORSEMENT AREAS
AGRICULTURAL EDUCATION		
<u>Basic Canine Care & Handling - Level 1 Certification Examination</u>	Continental Kennel Club, Inc.	8000 - Agricultural Education 8622 - Veterinary Aide
<u>Beef Quality Assurance Certification Assessment</u>	National Beef Quality Assurance/ Virginia Cooperative Extension	8000 - Agricultural Education
<u>Certified Veterinary Assistant Examination</u>	Animal Care Technologies	8000 - Agricultural Education 8622 - Veterinary Aide
<u>Certified Veterinary Assistant Examination</u>	American Allied Health	8000 - Agricultural Education 8622 - Veterinary Aide
<u>Commercial Pesticide Applicator Certification Examination</u>	Virginia Department of Agriculture and Consumer Services	8000 - Agricultural Education 8005 - Horticulture 8010 - Landscaping Technology
<u>Concepts of Entrepreneurship and Management Assessment</u>	ASK Business Institute	8000 - Agricultural Education

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NAME OF CREDENTIAL	ISSUING ORGANIZATION	CAREER AND TECHNICAL EDUCATION (CTE) ENDORSEMENT AREAS
<u>Food Safety & Science Certification Examination</u>	American Meat Science Association (Exam is administered by iCEV)	8000 - Agricultural Education
<u>Fundamentals of Animal Science Certification Examination</u>	Elanco (Exam is administered by iCEV)	8000 - Agricultural Education 8622 - Veterinary Aide
<u>Greenhouse Operators Certification Examination</u>	Southeast Greenhouse Growers Association/Virginia Flower Growers Association	8000 - Agricultural Education 8005 - Horticulture 8010 - Landscaping Technology
<u>Landscape Management Certification Examination</u>	Green Industry Web Portal	8000 - Agricultural Education 8005 - Horticulture 8010 - Landscaping Technology
<u>Master Service Technician Examinations (Pass any one exam)</u>	Briggs & Stratton Corporation	8000 - Agricultural Education 8005 - Horticulture 8008 - Agriculture Machinery Service 8010 - Landscaping Technology

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<u>Meat Evaluation Certification Examination</u>	American Meat Science Association (Exam is administered by ICEV)	8000 - Agricultural Education
<u>Outdoor Power Equipment Technician Certification Tests (Pass any one test)</u>	Equipment and Engine Training Council (EETC)	8000 - Agricultural Education 8005 - Horticulture 8008 - Agriculture Machinery Service 8010 - Landscaping Technology
<u>Pet Sitters Certification Examination</u>	National Association of Professional Pet Sitters	8000 - Agricultural Education 8622 - Veterinary Aide
<u>Plant Science Certification Examination</u>	Bayer CropScience (Exam is administered by ICEV)	8000 - Agricultural Education 8005 - Horticulture 8010 - Landscaping Technology
Pork Quality Assurance Certification Assessment Deleted effective May 2017	National Pork Board/Virginia Cooperative Extension	8000 - Agricultural Education
<u>Principles of Floral Design Certification Examination</u>	Benz School of Floral Design (Exam is administered by ICEV)	8000 - Agricultural Education 8005 - Horticulture

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<u>Principles of Livestock Selection and Evaluation Certification Examination</u>	National Collegiate Livestock Coaches Association (Exam is administered by iCEV)	8000 - Agricultural Education
<u>Private Applicator Certification Examination</u>	Virginia Department of Agriculture and Consumer Services	8000 - Agricultural Education 8005 - Horticulture 8010 - Landscaping Technology
<u>Professional Communications Certification Examination</u>	Southwest Airlines (Exam is administered by iCEV)	8000 - Agricultural Education 8005 - Horticulture 8008 - Agriculture Machinery Service 8010 - Landscaping Technology 8622 - Veterinary Aide
<u>Registered Technician Certification Examination</u>	Virginia Department of Agriculture and Consumer Services	8000 - Agricultural Education 8005 - Horticulture 8010 - Landscaping Technology
<u>Urban Forestry Certification Test</u>	Green Industry Web Portal	8000 - Agricultural Education 8005 - Horticulture 8010 - Landscaping Technology

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<u>Veterinary Medical Applications Certification Examination</u>	Elanco (Exam is administered by iCEV)	8000 - Agricultural Education 8622 - Veterinary Aide
<u>W!SE Financial Literacy Certification Test</u>	Working in Support of Education (W!SE)	8000 - Agricultural Education
BUSINESS AND INFORMATION TECHNOLOGY		
<u>AAPC Medical Coding Examinations (Pass any one exam)</u>	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
<u>Adobe Certified Associate (ACA) Examinations (Pass any one exam)</u>	Adobe Systems Incorporated	6620 - Database Management 6630 - Networking 6900 - Business and Information Technology
<u>Apple Certified Pro Examinations (Pass any one exam)</u>	Apple, Inc.	6620 - Database Management 6630 - Networking 6900 - Business and Information Technology

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<u>Billing Coding Specialist Certification (BCSC) Examination</u>	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
<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 Internet Web (CIW) Advanced HTML5 and CSS3 Specialist Examination</u>	Certification Partners, LLC	6620 - Database Management 6630 - Networking 6900 - Business and Information Technology 2004 - Computer Science 3010 - Computer Science Specialist 3100 - Mathematics

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<u>Certified Internet Web (CIW) Data Analyst Examination</u>	Certification Partners, LLC	6620 - Database Management 6630 - Networking 6900 - Business and Information Technology 2004 - Computer Science 3010 - Computer Science Specialist 3100 - Mathematics
<u>Certified Internet Web (CIW) Database Design Specialist Examination</u>	Certification Partners, LLC	6620 - Database Management 6630 - Networking 6900 - Business and Information Technology 2004 - Computer Science 3010 - Computer Science Specialist 3100 - Mathematics
<u>Certified Internet Web (CIW) E-Commerce Services Specialist Examination</u>	Certification Partners, LLC	6620 - Database Management 6630 - Networking 6900 - Business and Information Technology 2004 - Computer Science 3010 - Computer Science Specialist 3100 - Mathematics

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<u>Certified Internet Web (CIW) Internet Business Associate Examination</u>	Certification Partners, LLC	6620 - Database Management 6630 - Networking 6900 - Business and Information Technology 2004 - Computer Science 3010 - Computer Science Specialist 3100 - Mathematics
<u>Certified Internet Web (CIW) JavaScript Specialist Examination</u>	Certification Partners, LLC	6620 - Database Management 6630 - Networking 6900 - Business and Information Technology 2004 - Computer Science 3010 - Computer Science Specialist 3100 - Mathematics
<u>Certified Internet Web (CIW) Mobile Application Developer Examination</u>	Certification Partners, LLC	6620 - Database Management 6630 - Networking 6900 - Business and Information Technology 2004 - Computer Science 3010 - Computer Science Specialist 3100 - Mathematics

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<u>Certified Internet Web (CIW) Multimedia Specialist Examination</u>	Certification Partners, LLC	6620 - Database Management 6630 - Networking 6900 - Business and Information Technology 2004 - Computer Science 3010 - Computer Science Specialist 3100 - Mathematics
<u>Certified Internet Web (CIW) Network Technology Associate Examination</u>	Certification Partners, LLC	6620 - Database Management 6630 - Networking 6900 - Business and Information Technology 2004 - Computer Science 3010 - Computer Science Specialist 3100 - Mathematics
<u>Certified Internet Web (CIW) Perl Specialist Examination</u>	Certification Partners, LLC	6620 - Database Management 6630 - Networking 6900 - Business and Information Technology 2004 - Computer Science 3010 - Computer Science Specialist 3100 - Mathematics

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<u>Certified Internet Web (CIW) Site Development Associate Examination</u>	Certification Partners, LLC	6620 - Database Management 6630 - Networking 6900 - Business and Information Technology 2004 - Computer Science 3010 - Computer Science Specialist 3100 - Mathematics
<u>Certified Internet Web (CIW) Social Media Strategist Examination</u>	Certification Partners, LLC	6620 - Database Management 6630 - Networking 6900 - Business and Information Technology 2004 - Computer Science 3010 - Computer Science Specialist 3100 - Mathematics
<u>Certified Internet Web (CIW) User Interface Designer Examination</u>	Certification Partners, LLC	6620 - Database Management 6630 - Networking 6900 - Business and Information Technology 2004 - Computer Science 3010 - Computer Science Specialist 3100 - Mathematics

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<u>Certified Internet Web (CIW) Web Security Specialist Examination</u>	Certification Partners, LLC	6620 - Database Management 6630 - Networking 6900 - Business and Information Technology 2004 - Computer Science 3010 - Computer Science Specialist 3100 - Mathematics
<u>Certified Medical Administrative Assistant (CMAA) 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 Novell Administrator (CNA) Examination</u>	Novell	6620 - Database Management 6630 - Networking 6900 - Business and Information Technology

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NAME OF CREDENTIAL	ISSUING ORGANIZATION	CAREER AND TECHNICAL EDUCATION (CTE) ENDORSEMENT AREAS
<u>Cisco Certified Entry Networking Technician (CCENT) Examination</u>	CiscoSystems, Inc.	6630 - Networking
<u>Concepts of Entrepreneurship and Management Assessment</u>	ASK Business Institute	6900 - Business and Information Technology
<u>Desktop Publishing Certification Tests (Pass any one test)</u>	Brainbench	6620 - Database Management 6630 - Networking 6900 - Business and Information Technology
<u>Electronic Health Record Certification (EHRC) Examination</u>	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
<u>Fundamental Business Concepts Assessment</u>	ASK Business Institute	6900 - Business and Information Technology 6910 - Medical Office Procedures 6920 - Legal Office Procedures
<u>Global Standard (GS4) Certification Examination</u> <u>IC3 Digital Literacy Certification Examination</u>	Certiport	6620 - Database Management 6630 - Networking 6900 - Business and Information Technology

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<u>Intuit QuickBooks Certified User Certification Test</u>	Certiport	6900 - Business and Information Technology
<u>Linux+ Examinations—Powered by Linux Professional Institute (LPI) (Must pass both exams)</u>	CompTIA	6620 - Database Management 6630 - Networking 6900 - Business and Information Technology
<u>Medical Administration Assistant Certification (MAAC) Examination</u>	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
<u>Medical Coding and Billing Specialist (MCBS) Examination</u>	American Allied Health (AAH)	8624 – Medical Coding and Billing 6900 - Business and Information Technology 6910 - Medical Office Procedures 6000 - Bus. Educ.-General Office Procedures
<u>Microsoft Certified Professional (MCP) Examinations (Pass any one qualifying exam)</u>	Microsoft	6620 - Database Management 6630 - Networking 6900 - Business and Information Technology 6910 - Medical Office Procedures 6920 - Legal Office Procedures

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<u>Microsoft Office Specialist (MOS) Examinations (Pass any one exam)</u>	Microsoft	6620 - Database Management 6630 - Networking 6900 - Business and Information Technology 6910 - Medical Office Procedures 6920 - Legal Office Procedures
<u>Microsoft Technology Associate (MTA) Examinations (Pass any one exam)</u>	Microsoft	6620 - Database Management 6630 - Networking 6900 - Business and Information Technology
<u>National Certified Insurance and Coding Specialist (NCICS) Examination</u>	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
<u>Nationally Registered Certified Administrative Health Assistant (NRCAHA) 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

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Nationally Registered Certified Billing and Coding Specialist (NRCBCS) Examination (Listed in Error Issuing Organization Requested Removal)	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 Administration Certification Tests (Pass any one test)	Brainbench	6620 - Database Management 6630 - Networking 6900 - Business and Information Technology
Network Pro Certification Examination	Test Out Corporation	6620 - Database Management 6630 - Networking 6900 - Business and Information Technology

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<u>Oracle Certification Examinations (Pass any one exam)</u>	Oracle Corporation	6620 - Database Management 6630 - Networking 6900 - Business and Information Technology
<u>Oracle Certified Junior Associate Examinations (Pass any one exam)</u>	Oracle Corporation	6620 - Database Management 6630 - Networking 6900 - Business and Information Technology
<u>PC Pro Certification Assessment</u>	Test Out Corporation	6620 - Database Management 6630 - Networking 6900 - Business and Information Technology
<u>Security+ Certification Examination</u>	CompTIA	6620 - Database Management 6630 - Networking 6900 - Business and Information Technology
<u>Security Pro Certification Assessment</u>	Test Out Corporation	6620 - Database Management 6630 - Networking 6900 - Business and Information Technology
<u>Software Development Certification Tests (Pass any one test)</u>	Brainbench	6620 - Database Management 6630 - Networking 6900 - Business and Information Technology

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<u>Systems Administration Certification Tests (Pass any one test)</u>	Brainbench	6620 - Database Management 6630 - Networking 6900 - Business and Information Technology
<u>Technical Support Certification Tests (Pass any one test)</u>	Brainbench	6620 - Database Management 6630 - Networking 6900 - Business and Information Technology
<u>Web Administration Certification Tests (Pass any one test)</u>	Brainbench	6620 - Database Management 6630 - Networking 6900 - Business and Information Technology
<u>Web Design and Development Certification Tests (Pass any one test)</u>	Brainbench	6620 - Database Management 6630 - Networking 6900 - Business and Information Technology
<u>W!SE Financial Literacy Certification Test</u>	Working in Support of Education (W!SE)	6900 - Business and Information Technology

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FAMILY AND CONSUMER SCIENCES EDUCATION		
<u>Broad Field Family and Consumer Sciences Assessment*</u>	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
<u>Certified Front Desk Representative Examination</u>	American Hotel and Lodging Association (AH&LA)	8200 - Family and Consumer Sciences 8245 - Occupational Foods
<u>Certified Guest Service Professional Examination</u>	American Hotel and Lodging Association (AH&LA)	8200 - Family and Consumer Sciences 8245 - Occupational Foods

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<u>Certified Hospitality and Tourism Management Professional Examination (Must Pass Level 1 and Level 2)</u>	American Hotel and Lodging Association (AH&LA)	8200 - Family and Consumer Sciences 8245 - Occupational Foods
<u>Certified Restaurant Server Examination</u>	American Hotel and Lodging Association (AH&LA)	8200 - Family and Consumer Sciences 8245 - Occupational Foods 8252 - Food Occupations 8535 - Culinary Arts
<u>Child Development Associate (CDA) Assessment</u>	Child Development Associates (CDA) Council	8200 - Family and Consumer Sciences 8240 - Consumer Services- Day Care 8251 - Child Care Occupations
<u>Concepts of Entrepreneurship and Management Assessment</u>	ASK Business Institute	8200 - Family and Consumer Sciences
<u>ManageFirst Credentialing Examinations (Pass any one exam)</u>	Educational Foundation of the National Restaurant Association	8200 - Family and Consumer Sciences 8245 - Occupational Foods 8252 - Food Occupations 8535 - Culinary Arts

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<u>ProStart Certification Examinations (Pass Level I and/or Level 2)</u>	Education Foundation of the National Restaurant Association	8200 - Family and Consumer Sciences 8245 - Occupational Foods 8252 - Food Occupations 8535 - Culinary Arts
<u>ServSafe Manager Certification Examination</u>	Educational Foundation of the National Restaurant Association	8200 - Family and Consumer Sciences 8245 - Occupational Foods 8252 - Food Occupations 8535 - Culinary Arts
<u>Skills, Tasks and Results Training (START) Certification Examination</u>	American Hotel and Lodging Association (AH&LA)	8200 - Family and Consumer Sciences 8245 - Occupational Foods 8252 - Food Occupations
<u>W!SE Financial Literacy Certification Test</u>	Working in Support of Education (W!SE)	8200 - Family and Consumer Sciences

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HEALTH AND MEDICAL SCIENCES EDUCATION		
<u>AAPC Medical Coding Examinations (Pass any one exam)</u>	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
<u>Billing Coding Specialist Certification (BCSC) Examination</u>	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
<u>Certified Clinical Medical Assistant (CCMA) Examination</u>	National Healthcareer Association (NHA)	8555 - Medical Assistant 8600 - Practical Nursing 8610 - Nursing Aide
<u>Certified Dental Assistant: Anatomy, Morphology and Physiology (AMP) Examination</u>	Dental Assisting National Board, Inc.	8550 - Dental Aides

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<u>Certified Dental Assistant: Infection Control Examination (ICE)</u>	Dental Assisting National Board, Inc.	8550 - Dental Aides
<u>Certified Dental Assistant: Radiation Health & Safety (RHS) Examination</u>	Dental Assisting National Board, Inc.	8550 - Dental Aides
<u>Certified Electronic Health Record Specialist (CEHRS) Examination</u>	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
<u>Certified EKG Technician (CET) Examination</u>	American Allied Health (AAH)	8555 - Medical Assistant 8600 - Practical Nursing 8610 - Nursing Aide 8620 - Health and Medical Sciences

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<u>Certified EKG Technician (CET) Examination</u>	National Healthcareer Association	8555 - Medical Assistant 8600 - Practical Nursing 8610 - Nursing Aide 8620 - Health and Medical Sciences
<u>Certified Emergency Telecommunicator Examination</u>	International Academies of Emergency Dispatch (IAED)	8555 - Medical Assistant 8557 - Emergency Medical Technician 8600 - Practical Nursing 8610 - Nursing Aide 8620 - Health and Medical Sciences
<u>Certified Medical Administrative Assistant (CMAA) Examination</u>	National Healthcareer Association	8555 - Medical Assistant 8600 - Practical Nursing 8610 - Nursing Aide 8620 - Health and Medical Sciences
<u>Clinical Medical Assistant Certification (CMAC) Examination</u>	American Medical Certification Association (AMCA)	8555 - Medical Assistant 8600 - Practical Nursing 8610 - Nursing Aide 8620 - Health and Medical Sciences
<u>Certified Optometric Assistant (COA) Examination</u>	American Allied Health (AAH)	8549 - Vision Care Technician

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<u>Certified Patient Care Technician (CPCT) Examination</u>	American Allied Health	8600 - Practical Nursing 8610 - Nursing Aide 8620 - Health and Medical Sciences
<u>Certified Personal Trainer Examination</u>	National Academy of Sports Medicine (NASM)	8617 - Sports Medicine/Athletic Trainer 7136 - Physical Education NK-12 7135 - Physical Education 6-12 7134 - Physical Education 8-12 7110 - Health and Physical Educ. PreK-12 7100 - Health and Physical Education 8-12 7142 - Health and Physical Education NK-12 8615 - Occupational/Physical Therapy Assistant
<u>Certified Pharmacy Technician (CPhT) Examination</u>	American Allied Health (AAH)	8623 - Pharmacy Technician
<u>Certified Pharmacy Technician (ExCPT) Examination</u>	National Healthcareer Association (NHA)	8623 - Pharmacy Technician

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<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 Registered Central Service Technician (CRCST) Examination</u>	International Association of Central Service Materials Management (IAHCSMM)	8710 - Surgical Technology – Core Instructor 8554 - Sterile Processing Technician
<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

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<u>Certified Veterinary Assistant Examination</u>	Animal Care Technologies	8622 - Veterinary Aide
<u>Dental Support Technician Certification (DSTC) Examination</u>	American Medical Certification Association (AMCA)	8550 - Dental Aides
<u>Electronic Health Record Certification (EHRC) Examination</u>	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
<u>Emergency Medical Responder Examination</u>	Virginia Department of Health, Office of Emergency Medical Services	8557 - Emergency Medical Technician

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<u>Emergency Medical Technician Examination</u>	Virginia Department of Health, Office of Emergency Medical Services	8557 - Emergency Medical Technician
<u>Limited Licensed Radiology Technologist (LLRT) Examination</u>	American Allied Health	8558-Radiologic Technology
<u>Medical Administration Assistant Certification (MAAC) Examination</u>	American Medical Certification Association (AMCA)	8555 - Medical Assistant 8600 - Practical Nursing 8610 - Nursing Aide 8620 - Health and Medical Sciences
<u>Medical Coding and Billing Specialist (MCBS) Examination</u>	American Allied Health	8624 – Medical Coding and Billing 6900 - Business and Information Technology 6910 - Medical Office Procedures 6000 - Bus. Educ.-General Office Procedures
<u>Mental Health Technician Certification (MHTC) Examination</u>	American Medical Certification Association (AMCA)	8600 - Practical Nursing 8610 - Nursing Aide 8620 - Health and Medical Sciences

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NAME OF CREDENTIAL	ISSUING ORGANIZATION	CAREER AND TECHNICAL EDUCATION (CTE) ENDORSEMENT AREAS
<u>National Certified Insurance and Coding Specialist (NCICS) Examination</u>	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
<u>National Certified Medical Assistant (NCMA) Examination</u>	National Center for Competency Testing (NCCT)	8555 - Medical Assistant 8600 - Practical Nursing 8610 - Nursing Aide 8620 - Health and Medical Sciences
<u>National Certified Patient Care Technician (NCPCT) Examination</u>	National Center for Competency Testing (NCCT)	8600 - Practical Nursing 8610 - Nursing Aide 8620 - Health and Medical Sciences
<u>National Certified Phlebotomy Technician (NCPT) Examination</u>	National Center for Competency Testing (NCCT)	8555 - Medical Assistant 8600 - Practical Nursing 8610 - Nursing Aide 8620 - Health and Medical Sciences 8556 - Medical Laboratory Technician

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NAME OF CREDENTIAL	ISSUING ORGANIZATION	CAREER AND TECHNICAL EDUCATION (CTE) ENDORSEMENT AREAS
<u>National Health Science Assessment</u>	National Consortium for Health Science Education	8550 - Dental Aides 8555 - Medical Assistant 8557 - Emergency Medical Technician 8558 - Radiologic Technology 8600 - Practical Nursing 8610 - Nursing Aide 8615 - Occupational/Physical Therapy Assistant 8617 - Sports Medicine/Athletic Trainer 8620 - Health and Medical Sciences 8621 - Allied Health 8622 - Veterinary Aide 8623 - Pharmacy Technician 8556 - Medical Laboratory Technician 8549 - Vision Care Technician 8624 - Medical Coding and Billing
<u>National Nurse Aide Assessment Program (NNAAP) Examination</u>	Virginia Board of Nursing	8600 - Practical Nursing 8610 - Nursing Aide

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NAME OF CREDENTIAL	ISSUING ORGANIZATION	CAREER AND TECHNICAL EDUCATION (CTE) ENDORSEMENT AREAS
<u>Nationally Registered Certified Administrative Health Assistant (NRCCHA) Examination</u>	National Association for Health Professionals (NAHP)	8555 - Medical Assistant 8600 - Practical Nursing 8610 - Nursing Aide 8620 - Health and Medical Sciences
Nationally Registered Certified Billing and Coding Specialist (NRCBCS) Examination (Listed in Error Issuing Organization Requested Removal)	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 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 Certified Dental Assistant (NRCDA) Examination</u>	National Association for Health Professionals (NAHP)	8550 - Dental Aides

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<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
<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

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NAME OF CREDENTIAL	ISSUING ORGANIZATION	CAREER AND TECHNICAL EDUCATION (CTE) ENDORSEMENT AREAS
<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>Physical Therapy Aide Certification (PTAC) 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
<u>Virginia Pharmacy Technician Examination</u>	Virginia Board of Pharmacy	8623 - Pharmacy Technician

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MARKETING		
<u>Advanced Customer Service and Sales Certification Assessment</u>	National Retail Federation Foundation	8100 - Marketing Education 8110 - Apparel and Accessories 8130 - Hotel/Motel Operations 8140 - International Marketing 8170 - Sports/Entertainment/Recreation 8180 - Travel and Tourism
<u>Certified Front Desk Representative Examination</u>	American Hotel and Lodging Association (AH&LA)	8100 - Marketing Education 8130 - Hotel/Motel Operations 8180 - Travel and Tourism
<u>Certified Guest Service Professional Examination</u>	American Hotel and Lodging Association (AH&LA)	8100 - Marketing Education 8130 - Hotel/Motel Operations 8180 - Travel and Tourism
<u>Certified Hospitality and Tourism Management Professional Examination (Must Pass Level 1 and Level 2)</u>	American Hotel and Lodging Association (AH&LA)	8100 - Marketing Education 8130 - Hotel/Motel Operations 8180 - Travel and Tourism

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<u>Concepts of Entrepreneurship and Management Assessment</u>	ASK Business Institute	8100 - Marketing Education 8140 - International Marketing
<u>Concepts of Finance Assessment</u>	ASK Business Institute	8100 - Marketing Education 8140 - International Marketing
<u>Customer Service and Sales Certification Assessment</u>	National Retail Federation Foundation	8100 - Marketing Education 8110 - Apparel and Accessories 8130 - Hotel/Motel Operations 8140 - International Marketing 8170 - Sports/Entertainment/Recreation 8180 - Travel and Tourism
<u>Fundamental Marketing Concepts Assessment</u>	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

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<u>ManageFirst Credentialing Examinations (Pass any one exam)</u>	Educational Foundation of the National Restaurant Association	8100 - Marketing Education 8130 - Hotel/Motel Operations
<u>Microsoft Office Specialist (MOS) Examinations (Pass any one exam)</u>	Microsoft	8100 - Marketing Education
<u>Retail Management Certification Assessment</u>	National Retail Federation Foundation	8100 - Marketing Education 8140 - International Marketing
<u>Skills, Tasks and Results Training (START) Certification Examination</u>	American Hotel and Lodging Association (AH&LA)	8100 - Marketing Education 8130 - Hotel/Motel Operations
<u>W!SE Financial Literacy Certification Test</u>	Working in Support of Education (W!SE)	8100 - Marketing Education 8140 - International Marketing
MILITARY SCIENCE		
	NOTE: Qualification Training Certificate - issued by Junior Reserve Officers' Training Corps	9000 - JROTC Instructor

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TECHNOLOGY EDUCATION		
<u>ArcGIS Desktop Associate Certification Examination</u>	Environmental Systems Research Institute (ESRI)	7200 - Technology Education
<u>ArcGIS Desktop Entry Certification Examination</u>	Environmental Systems Research Institute (ESRI)	7200 - Technology Education
<u>Architectural Apprentice Drafter Examination</u>	American Design Drafting Association (ADDA)	7200 - Technology Education
<u>Architectural Certified Drafter Examination</u>	American Design Drafting Association (ADDA)	7200 - Technology Education
<u>Adobe Certified Associate Examinations (Pass any one exam)</u>	Adobe Systems Incorporated	7200 - Technology Education
<u>AutoCAD Certification Tests (Pass any one test)</u>	Brainbench	7200 - Technology Education

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<u>Autodesk Certified User Examinations (Pass any one exam)</u>	Autodesk	7200 - Technology Education
<u>Desktop Publishing Certification Tests (Pass any one test)</u>	Brainbench	7200 - Technology Education
<u>Certified Logistics Associate (CLA) Examination</u>	Manufacturing Skills Standards Council (MSSC)	7200 - Technology Education
<u>Certified Logistics Technician (CLT) Associate Examination</u>	Manufacturing Skills Standards Council (MSSC)	7200 - Technology Education
<u>Certified Production Technician (CPT) Program Examinations (Pass any one exam)</u>	Manufacturing Skill Standards Council (MSSC)	7200 - Technology Education
<u>Certified SOLIDWORKS Associate Examination</u>	SOLIDWORKS Corporation	7200 - Technology Education
<u>Energy Industry Fundamentals Certificate Assessment</u>	Center for Energy Workforce Development	7200 - Technology Education

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<u>Global Standard (GS4) Certification Examination</u> <u>IC3 Digital Literacy Certification Examination</u>	Certiport	7200 - Technology Education
<u>Manufacturing Specialist Certification Examination</u>	Manufacturing Skills Institute	7200 - Technology Education
<u>Manufacturing Technician Level 1 Certification Examination</u>	Manufacturing Skills Institute	7200 - Technology Education
<u>Mechanical Apprentice Drafter Examination</u>	American Design Drafting Association (ADDA)	7200 - Technology Education
<u>Mechanical Certified Drafter Examination</u>	American Design Drafting Association (ADDA)	7200 - Technology Education
<u>Microsoft Certified Professional (MCP) Examinations (Pass any one qualifying exam)</u>	Microsoft	7200 - Technology Education
<u>Microsoft Office Specialist (MOS) Examinations (Pass any one exam)</u>	Microsoft	7200 - Technology Education

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<u>Microsoft Technology Associate (MTA) Examinations (Pass any one exam)</u>	Microsoft	7200 - Technology Education
<u>Pre-Engineering Certification Examination</u>	Robotics Education Competition (REC) Foundation (Hostedware Corporation)	7200 - Technology Education
<u>Robotics Certification Examination</u>	Robotics Education Competition (REC) Foundation (Hostedware Corporation)	7200 - Technology Education
<u>Mechatronic Systems Certification Examinations (Pass any one exam)</u>	Siemens AG	7200 - Technology Education
<u>Spatial Projects And Community Exchange (SPACE) Examination</u>	Digital Quest, Inc.	7200 - Technology Education
<u>Spatial Technology and Remote Sensing (STARS) Certification Examination</u>	Digital Quest, Inc.	7200 - Technology Education

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TRADE AND INDUSTRIAL EDUCATION		
<u>A+ Certification Examination</u>	CompTIA	8425 - Electronics Technology 8485 - Computer Repair Technology 8490 - Computer Systems Technology 8560 - Printing
<u>Adobe Certified Associate (ACA) Examinations (Pass any one exam)</u>	Adobe Systems Incorporated	8401 - Commercial Photography 8530 - Advertising Design 8563 – Graphic Imaging Technology 8625 – Television Production
<u>Air Conditioning Employment Ready Examination</u>	HVAC Excellence	8515 - Heating, Ventilation, Air Conditioning and Refrigeration
<u>Air Cooled Gasoline Engines Expert Technician Test</u>	Kohler Engines	8418 – Small Engine Repair
<u>Apple Certified Pro Examinations (Pass any one exam)</u>	Apple, Inc.	8625 - Television Production

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<u>Architectural Apprentice Drafter Examination</u>	American Design Drafting Association (ADDA)	8465 - Drafting
<u>Architectural Certified Drafter Examination</u>	American Design Drafting Association (ADDA)	8465 - Drafting
<u>ASE Teacher Certification Examinations</u>	National Institute for Automotive Service Excellence (ASE)	8410 - Automotive Technology 8412 - Diesel Equipment Technology 8419 - Motor Sports Technology 8415 - Auto Body Repair
<u>Basic Refrigeration & Charging Procedures Employment Ready Examination</u>	HVAC Excellence	8515 - Heating, Ventilation, Air Conditioning and Refrigeration
<u>Building Science Principles Examination</u>	Building Performance Institute	8515 - Heating, Ventilation, Air Conditioning and Refrigeration
<u>Carbon Monoxide & Combustion Analysis Employment Ready Examination</u>	HVAC Excellence	8515 - Heating, Ventilation, Air Conditioning and Refrigeration

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<u>Carbon Monoxide Safety Employment Ready Examination</u>	HVAC Excellence	8515 - Heating, Ventilation, Air Conditioning and Refrigeration
<u>Carpentry Level One - Entry Level Assessment</u>	National Center for Construction Education & Research (NCCER)	8430 - Building Trades 8431 - Carpentry 8434 - Cabinetmaking
Carpentry Level One, National Construction Career Test Deleted effective May 2017	National Center for Construction Education and Research (NCCER)	8430 - Building Trades 8431 - Carpentry 8434 - Cabinetmaking
<u>Certified Alarm Security Technician (CAST) Examination</u>	Electronics Technicians Association (ETA) International	8425 - Electronics Technology
<u>Certified Broadcast Technologist (CBT) Examination</u>	The Society of Broadcast Engineers (SBE)	8425 - Electronics Technology 8626 - Radio Communication 8625 - Television Production
<u>Certified Electronics Technician Associate (CETa) Examination</u>	Electronics Technicians Association (ETA) International	8425 - Electronics Technology 8541 – Industrial Robotics

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NAME OF CREDENTIAL	ISSUING ORGANIZATION	CAREER AND TECHNICAL EDUCATION (CTE) ENDORSEMENT AREAS
<u>Certified Radio Operator (CRO) Examination</u>	The Society of Broadcast Engineers (SBE)	8425 - Electronics Technology 8626 - Radio Communication
<u>Certified Satellite Installer (CSI) Examination</u>	Electronics Technicians Association (ETA) International	8425 - Electronics Technology
<u>Certified Television Operator (CTO) Examination</u>	The Society of Broadcast Engineers (SBE)	8425 - Electronics Technology 8625 - Television Production
<u>Cisco Certified Entry Networking Technician (CCENT) Examination</u>	Cisco Systems	2004 – Computer Science 8425 – Electronics Technology 8485 – Computer Repair Technology 8490 – Computer Systems Technology 9010 – Computer Technology

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NAME OF CREDENTIAL	ISSUING ORGANIZATION	CAREER AND TECHNICAL EDUCATION (CTE) ENDORSEMENT AREAS
<u>Cisco Certified Networking Associate (CCNA) Routing & Switching Examination</u>	CiscoSystems, Inc.	2004 – Computer Science 8425 – Electronics Technology 8485 – Computer Repair Technology 8490 – Computer Systems Technology 9010 – Computer Technology
<u>Cisco Certified Networking Associate (CCNA) Security Examination</u>	CiscoSystems, Inc.	2004 – Computer Science 8425 – Electronics Technology 8485 – Computer Repair Technology 8490 – Computer Systems Technology 9010 – Computer Technology
<u>Cisco Certified Networking Professional (CCNP) Routing and Switching Examination (Must pass all 3 exams)</u>	CiscoSystems, Inc.	2004 – Computer Science 8425 – Electronics Technology 8485 – Computer Repair Technology 8490 – Computer Systems Technology 9010 – Computer Technology

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<u>Cisco Certified Networking Professional (CCNP) Security Examination</u>	CiscoSystems, Inc.	2004 – Computer Science 8425 – Electronics Technology 8485 – Computer Repair Technology 8490 – Computer Systems Technology 9010 – Computer Technology
<u>Combustion Appliance Zone (CAZ) Employment Ready Examination</u>	HVAC Excellence	8515 - Heating, Ventilation, Air Conditioning and Refrigeration
<u>CompTIA IT Fundamentals Certification Examination</u>	<u>CompTIA</u>	2004 – Computer Science 8425 – Electronics Technology 8485 – Computer Repair Technology 8490 – Computer Systems Technology 9010 – Computer Technology
<u>Computer Service Technician (CST) Examination</u>	Electronics Technicians Association (ETA) International	8425 - Electronics Technology 8490 - Computer Systems Technology 8485 - Computer Repair Technology

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Construction Technology: National Construction Career Test Deleted effective May 2017	National Center for Construction Education and 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
<u>Construction Technologist - Entry Level Assessment</u>	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

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<u>Core: Introductory Craft Skills Entry-Level Assessment</u>	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
Core: Introductory Craft Skills, National Construction Career Test Deleted effective May 2017	National Center for Construction Education and 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

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NAME OF CREDENTIAL	ISSUING ORGANIZATION	CAREER AND TECHNICAL EDUCATION (CTE) ENDORSEMENT AREAS
<u>Cybersecurity Analyst (CSA+) Examination</u>	CompTIA	0000 – New Endorsement To Be Determined
<u>Data Cabling Installer (DCI) Examination</u>	Electronics Technicians Association (ETA) International	8420 - Electricity 8425 - Electronics Technology
<u>Electric Heat Employment Ready Examination</u>	HVAC Excellence	8515 - Heating, Ventilation, Air Conditioning and Refrigeration
<u>Electrical Employment Ready Examination</u>	HVAC Excellence	8515 - Heating, Ventilation, Air Conditioning and Refrigeration
Electrical, National Construction Career Test Deleted effective May 2017	National Center For Construction Education & Research (NCCER)	8420 - Electricity 8430 - Building Trades
<u>Electrician Level One - Entry-Level Assessment</u>	National Center For Construction Education & Research (NCCER)	8420 - Electricity 8430 - Building Trades
<u>Electronics Module: AC (EM2) Examination</u>	Electronics Technicians Association (ETA) International	8425 - Electronics Technology

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<u>Electronics Module: Analog (EM3) Examination</u>	Electronics Technicians Association (ETA) International	8425 - Electronics Technology
<u>Electronics Module: Comprehensive (EM5) Examination</u>	Electronics Technicians Association (ETA) International	8425 - Electronics Technology
<u>Electronics Module: DC (EM1) Examination</u>	Electronics Technicians Association (ETA) International	8425 - Electronics Technology
<u>Electronics Module: Digital (EM4) Examination</u>	Electronics Technicians Association (ETA) International	8425 - Electronics Technology
<u>EPA Technician Examinations (Pass Levels I, II, or III)</u>	Environmental Protection Agency (Authorized Entity)	8515 - Heating, Ventilation, Air Conditioning and Refrigeration 8542 – Industrial Maintenance Technology
<u>Fiber Optics Installer (FOI) Examination</u>	Electronics Technicians Association (ETA) International	8425 - Electronics Technology
<u>Firefighter I Certification Examination</u>	Virginia Department of Fire Programs	8630 - Firefighting

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<u>Firefighter II Certification Examination</u>	Virginia Department of Fire Programs	8630 - Firefighting
<u>Fuel Oil Combustion Employment Ready Examination</u>	HVAC Excellence	8515 - Heating, Ventilation, Air Conditioning and Refrigeration
<u>Gas Heat Employment Ready Examination</u>	HVAC Excellence	8515 - Heating, Ventilation, Air Conditioning and Refrigeration
<u>General Communications Technician - Level 1 (GCT1) Examination</u>	Electronics Technicians Association (ETA) International	8425 - Electronics Technology
<u>General Radiotelephone Operator (GRO) Examination</u>	Federal Communications Commission (FCC)	8425 - Electronics Technology 8626 - Radio Communication
<u>Global Logistics Associate Examination</u>	American Society of Transportation & Logistics (AST&L)	8410 - Automotive Technology 8412 - Diesel Equipment Technology 8577 - Maritime Trades

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<u>Heat Pump Employment Ready Examination</u>	HVAC Excellence	8515 - Heating, Ventilation, Air Conditioning and Refrigeration
<u>Heating, Electrical, Air Conditioning Technology (HEAT) Examinations (Pass any one exam)</u>	HVAC Excellence	8515 - Heating, Ventilation, Air Conditioning and Refrigeration
Heavy Equipment Operations Level One, National Construction Career Test Deleted effective May 2017	National Center for Construction Education and Research (NCCER)	8413 - Utility/Heavy Construction Technician 8416 - Heavy Equipment Operations
<u>Heavy Equipment Operator Level One Entry-Level Assessment</u>	National Center For Construction Education & Research (NCCER)	8413 - Utility/Heavy Construction Technician 8416 - Heavy Equipment Operations
<u>HVAC Level One Entry-Level Assessment</u>	National Center For Construction Education & Research (NCCER)	8515 - Heating, Ventilation, Air Conditioning and Refrigeration
HVAC, National Construction Career Test Deleted effective May 2017	National Center For Construction Education & Research (NCCER)	8515 - Heating, Ventilation, Air Conditioning and Refrigeration

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<u>Installer (or Service) Core (HVAC/R) Examination</u>	North American Technician Excellence, Inc. (NATE)	8515 - Heating, Ventilation, Air Conditioning and Refrigeration
<u>Light Commercial Refrigeration Employment Ready Examination</u>	HVAC Excellence	8515 - Heating, Ventilation, Air Conditioning and Refrigeration
<u>Machining - Level I Examinations (Pass any one exam with performance component)</u>	National Institute for Metalworking Skills (NIMS)	8451 - Precision Machine Technology
<u>Manufacturing Specialist Certification Examination</u>	Manufacturing Skills Institute	8451 - Precision Machine Technology 8452 - Industrial Maintenance Technology 8541 - Industrial Robotics
<u>Manufacturing Technician Level 1 Certification Examination</u>	Manufacturing Skills Institute	8451 - Precision Machine Technology 8452 - Industrial Maintenance Technology 8541 - Industrial Robotics
Masonry Level One, National Construction Career Test Deleted effective May 2017	National Center for Construction Education and Research (NCCER)	8443 - Masonry

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<u>Masonry Level One Entry-Level Assessment</u>	National Center For Construction Education & Research (NCCER)	8443 - Masonry
<u>Master Service Technician Examinations (Pass any one exam)</u>	Briggs & Stratton Corporation	8418 - Small Engine Repair
<u>Mechanical Apprentice Drafter Examination</u>	American Design Drafting Association (ADDA)	8465 - Drafting
<u>Mechanical Certified Drafter Examination</u>	American Design Drafting Association (ADDA)	8465 - Drafting
<u>Mechatronic Systems Certification Examinations (Pass any one exam)</u>	Siemens AG	8425 - Electronics Technology 8541 – Industrial Robotics
<u>Media Composer Certification Examinations (Pass any one exam)</u>	Avid	8625 - Television Production 8563 - Graphic Imaging Technology

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<u>Mobile Communications and Electronics Installer (MCEI) Examination</u>	Electronics Technicians Association (ETA) International	8425 - Electronics Technology
<u>Mobile Electronics Certified Professional (MECP) Basic Installation Technician Examination</u>	Consumer Electronics Association	8425 - Electronics Technology
<u>Natural Gas Combustion Employment Ready Examination</u>	HVAC Excellence	8515 - Heating, Ventilation, Air Conditioning and Refrigeration
<u>Non-Structural Technician - ProLevel 1 Certification Test</u>	ICAR	8415 - Automotive Body Repair
<u>Photovoltaic Installer - Level 1 (PV1-LVL1) Examination</u>	Electronics Technicians Association (ETA) International	8420 – Electricity 8430 - Building Trades
<u>Plumbing Level One Entry-Level Assessment</u>	National Center For Construction Education & Research (NCCER)	8430 - Building Trades 8510 – Plumbing

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<u>Refinish Technician - ProLevel 1 CertificationTest</u>	ICAR	8415 - Automotive Body Repair
<u>Residential & Light Commercial Hydronic Heat Employment Ready Examination</u>	HVAC Excellence	8515 - Heating, Ventilation, Air Conditioning and Refrigeration
<u>SENSE Training Program Certification Examination (Level 1, Entry-Level Welder)</u>	American Welding Society (AWS)	8580 - Welding
<u>Telecommunications Electronics Technician (TCM) Examination</u>	Electronics Technicians Association (ETA) International	8425 - Electronics Technology 8490 - Computer Systems Technology
<u>Welding Level One Entry-Level Assessment</u>	National Center For Construction Education & Research (NCCER)	8580 - Welding

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Welding, National Construction Career Test Deleted effective May 2017	National Center for Construction Education and Research (NCCER)	8580 - Welding
	*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	*8411 - Aviation Maintenance Technology

The Virginia Department of Education does not discriminate on the basis of race, sex, color, national origin, religion, sexual orientation, gender identity, age, political affiliation, or against otherwise qualified persons with disabilities. The policy permits appropriate employment preferences for veterans and specifically prohibits discrimination against veterans. The following position has been designated to handle inquiries regarding the Department's non-discrimination policies:

Director of Human Resources
Virginia Department of Education
P.O. Box 2120
Richmond, Virginia 23218-2120
Phone: 804-225-2021

For further information on Federal non-discrimination regulations, contact the Office for Civil Rights at OCR.DC@ed.gov or call 1-800-421-3481.