# 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 2022

**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 *2022-2023* *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 (EMT), Cosmetology);
* Industry Certification from a recognized industry, trade, or professional association validating essential skills of a particular occupation. These certifications may consist of a suite of examinations from entry level to full certification (e.g., A+ Certification Examinations, Automotive Service Excellence Certification Examinations, and ServeSafe Food Protection Manager Certification); and
* Occupational Competency Assessment, a national standardized assessment of skills/knowledge in a specific career and/or technical area, (e.g., NOCTI, National Center for Construction Education & Research (NCCER).

Approximately 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; Agricultural Education, 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](mailto: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**](http://www.doe.virginia.gov/instruction/career_technical/path_industry_certification/index.shtml)**. 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, 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**

## **2022-2023 VIRGINIA TEACHER-ELIGIBLE INDUSTRY CREDENTIALING ASSESSMENTS**

**UPDATED JUNE 2022**

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 |
| --- | --- | --- |
| [[A\*S\*K Concepts of Entrepreneurship and Management Assessment](https://www.cteresource.org/resources/credentials/ask-concepts-of-entrepreneurship-and-management-assessment/)](http://cteresource.org/credentials/2021-2022/ASK%20Concepts%20of%20Entrepreneurship%20and%20Management%20Assessment.pdf) | ASK Business Institute/MBA Research and Curriculum Center | 8000 - Agricultural Education |
| [[BASF Plant Science Certification Examination](http://cteresource.org/credentials/2021-2022/BASF%20Plant%20Science%20Certification%20Examination.pdf)](https://www.cteresource.org/resources/credentials/basf-plant-science-certification-examination/) | BASF (Administered by CEV Multimedia) | 8000 - Agricultural Education 8005 – Horticulture  8010 - Landscaping Technology |
| [Beef Quality Assurance Examination](https://www.cteresource.org/resources/credentials/beef-quality-assurance-examination/) | Virginia Cooperative Extension/VT APSC | 8000 - Agricultural Education  8622 - Veterinary Aide |
| [Canine Care and Training Program Level 1 Certification Examination](https://www.cteresource.org/resources/credentials/canine-care-and-training-program-level-1-certification-examination/) | Continental Kennel Club Inc. | 8000 - Agricultural Education  8622 - Veterinary Aide |
| [Certified Grounds Technician Examination](https://www.cteresource.org/resources/credentials/certified-grounds-technician-examination/) | Professional Grounds Management Society (PGMS) | 8000 - Agricultural Education 8005 - Horticulture 8010 - Landscaping Technology |
| [Certified Turfgrass Professional Examination](https://www.cteresource.org/resources/credentials/certified-turfgrass-professional-examination/) | Virginia Turfgrass Council (VTC) | 8000 - Agricultural Education 8005 - Horticulture  8010 - Landscaping Technology |
| [Certified Veterinary Assistant (CVA) Examination (AAH)](https://www.cteresource.org/resources/credentials/certified-veterinary-assistant-cva-examination-aah/) | American Allied Health (AAH) | 8000 - Agricultural Education 8622 - Veterinary Aide |
| [Certified Veterinary Assistant Examination (TVMA)](https://www.cteresource.org/resources/credentials/certified-veterinary-assistant-examination-tvma/) | Texas Veterinary Medical Association | 8000 - Agricultural Education 8622 - Veterinary Aide |
| [Certified Commercial Pesticide Applicator Examination](https://www.cteresource.org/resources/credentials/certified-commercial-pesticide-applicator-examination/) | Virginia Department of Agriculture and Consumer Services | 8000 - Agricultural Education 8005 – Horticulture 8010 - Landscaping Technology |
| [Certified Private Applicator Examination](https://www.cteresource.org/resources/credentials/certified-private-applicator-examination/) | Virginia Department of Agriculture and Consumer Services | 8000 - Agricultural Education 8005 - Horticulture 8010 - Landscaping Technology |
| [Certified Registered Technician Pesticide Applicator Examination](https://www.cteresource.org/resources/credentials/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](https://www.cteresource.org/resources/credentials/chesapeake-bay-landscape-professional-associate-cblp-a-examination/) | Chesapeake Conservation Landscaping Council (CCLC) | 8000 - Agricultural Education  8005 – Horticulture  8010 - Landscaping Technology |
| [Ecology Conservation & Management Certification Examination](https://www.cteresource.org/resources/credentials/ecology-conservation---management-certification-examination/) | Ducks Unlimited (DU) | 8000 - Agricultural Education |
| [EETCTechnician Certification Tests](https://www.cteresource.org/resources/credentials/group/eetc-technician-certification-tests/) (pass any one test) (also listed in Trade and Industrial Education) | Equipment and Engine Training Council (EETC) | 8000 - Agricultural Education 8005 - Horticulture 8008 - Agriculture Machinery Service 8010 - Landscaping Technology |
| [Equine Management and Evaluation Certification Examination](https://www.cteresource.org/resources/credentials/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](https://www.cteresource.org/resources/credentials/food-safety---science-certification-examination/) | American Meat Science Association (Administered by CEV Multimedia) | 8000 - Agricultural Education |
| [Fundamentals of Animal Science Certification Examination](https://www.cteresource.org/resources/credentials/fundamentals-of-animal-science-certification-examination/) | Elanco (Administered by CEV Multimedia) | 8000 - Agricultural Education  8622 - Veterinary Aide |
| [Greenhouse Operators Certification Examination](https://www.cteresource.org/resources/credentials/greenhouse-operators-certification-examination/) | Virginia Greenhouse Growers Association (VGGA) | 8000 - Agricultural Education 8005 - Horticulture 8010 - Landscaping Technology |
| [Landscape Management Certification Examination](https://www.cteresource.org/resources/credentials/landscape-management-certification-examination/) | Green Industry Web (GIW) Portal | 8000 - Agricultural Education 8005 - Horticulture 8010 - Landscaping Technology |
| [Master Service Technician Examinations](https://www.cteresource.org/resources/credentials/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](https://www.cteresource.org/resources/credentials/meat-evaluation-certification-examination/) | American Meat Science Association (Administered by CEV Multimedia) | 8000 - Agricultural Education |
| [Pet Sitters Certification Examination](https://www.cteresource.org/resources/credentials/pet-sitters-certification-examination/) | National Association Professional Pet Sitters (NAPPS) | 8000 - Agricultural Education 8622 - Veterinary Aide |
| [Principles of Floral Design Certification Examination](https://www.cteresource.org/resources/credentials/principles-of-floral-design-certification-examination/) | Benz School of Floral Design (Administered by CEV Multimedia) | 8000 - Agricultural Education 8005 - Horticulture |
| [Principles of Livestock Selection and Evaluation Certification Examination](https://www.cteresource.org/resources/credentials/principles-of-livestock-selection-and-evaluation-certification-examination/) | National Collegiate Livestock Coaches Association (Administered by CEV Multimedia) | 8000 - Agricultural Education |
| [Professional Communications Certification Examination](https://www.cteresource.org/resources/credentials/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 |
| [Shielded Metal Arc Welding (SMAW) Examination](https://www.cteresource.org/resources/credentials/shielded-metal-arc-welding-smaw-examination/) (Also listed in Trade and Industrial Education) | American Welding Society (AWS) | 8000 - Agricultural Education 8008 - Agricultural Machinery Service |
| [Turfgrass Management Certification Program Examination](https://www.cteresource.org/resources/credentials/turfgrass-management-certification-program-examination/) | Green Industry Web (GIW) Portal | 8000 - Agricultural Education 8005 - Horticulture 8010 - Landscaping Technology |
| [Urban Forestry Certification Test](https://www.cteresource.org/resources/credentials/urban-forestry-certification-test/) | Green Industry Web (GIW) Portal | 8000 - Agricultural Education 8005 - Horticulture 8010 - Landscaping Technology |
| [Veterinary Medical Applications Certification Examination](https://www.cteresource.org/resources/credentials/veterinary-medical-applications-certification-examination/) | Elanco (Administered by CEV Multimedia) | 8000 - Agricultural Education  8622 - Veterinary Aide |
| [W!SE Certification in Personal Finance Test for Educators](https://www.cteresource.org/resources/credentials/wse-certification-in-personal-finance-test-for-educators/) (also in Business and Information Technology, Family and Consumer Sciences, and Marketing) | 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](https://www.cteresource.org/resources/credentials/aapc-medical-coding-examinations/) (pass any one exam) (also in Health and Medical Sciences) | American Academy of Professional Coders (AAPC) | 6900 - Business and Information Technology  6910 - Medical Office Procedures  6000 - Bus. Educ.-General Office Procedures |
| [Adobe Certified Professional Examinations](https://www.cteresource.org/resources/credentials/group/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 Examinations](https://www.cteresource.org/resources/credentials/group/app-development-with-swift-examinations/) (pass any one exam) | Certiport | 6900 - Business and Information Technology |
| [A\*S\*K Concepts of Entrepreneurship and Management Assessment](https://www.cteresource.org/resources/credentials/ask-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](https://www.cteresource.org/resources/credentials/ask-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](https://www.cteresource.org/resources/credentials/aws-certified-cloud-practitioner-certification-examination/) | Amazon Web Services (AWS) | 6610 – Data Processing  6620 - Database Management 6630 - Networking 6900 - Business and Information Technology |
| [C++ Certified Entry-Level Programmer (CPE) Examination](https://www.cteresource.org/resources/credentials/c---certified-entry-level-programmer-cpe-examination/) | C++ Institute (Administered by Pearson) | 6610 – Data Processing  6620 - Database Management 6900 - Business and Information Technology |
| [Certified Electronic Health Records Specialist (CEHRS) Examination](https://www.cteresource.org/resources/credentials/certified-electronic-health-records-specialist-cehrs-examination/) (also in Health and Medical Sciences) | National Healthcareer Association | 6500 - Business Education - Stenography  6900 - Business and Information Technology  6910 - Medical Office Procedures  6000 - Bus. Educ.-General Office Procedures |
| [Certified Entry-Level Python Programmer (PCEP) Examination](https://www.cteresource.org/resources/credentials/certified-entry-level-python-programmer-pcep-examination/) | OpenEDG Python Institute | 6900 - Business and Information Technology |
| [Certified Ethical Hacker (CEH) Examination](https://www.cteresource.org/resources/credentials/certified-ethical-hacker/) | E-C Council | 6900 - Business and Information Technology |
| [Certified Internet Web (CIW) Advanced HTML 5 and CSS3 Specialist Examination](https://www.cteresource.org/resources/credentials/certified-internet-web-ciw-advanced-html-5-and-css-3-specialist-examination/) | Certification Partners LLC | 6620 - Database Management 6630 - Networking 6900 - Business and Information Technology |
| [Certified Internet Web (CIW) Data Analyst Examination](https://www.cteresource.org/resources/credentials/certified-internet-web-ciw-data-analyst-examination/) | Certification Partners LLC | 6620 - Database Management 6630 - Networking 6900 - Business and Information Technology |
| [Certified Internet Web (CIW) Database Design Specialist Examination](https://www.cteresource.org/resources/credentials/certified-internet-web-ciw-database-design-specialist-examination/) | Certification Partners LLC | 6620 - Database Management 6630 - Networking 6900 - Business and Information Technology |
| [Certified Internet Web (CIW) Internet Business Associate Examination](https://www.cteresource.org/resources/credentials/certified-internet-web-ciw-internet-business-associate-examination/) | Certification Partners LLC | 6620 - Database Management 6630 - Networking 6900 - Business and Information Technology |
| [Certified Internet Web (CIW) JavaScript Specialist Examination](https://www.cteresource.org/resources/credentials/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](https://www.cteresource.org/resources/credentials/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](https://www.cteresource.org/resources/credentials/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](https://www.cteresource.org/resources/credentials/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](https://www.cteresource.org/resources/credentials/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](https://www.cteresource.org/resources/credentials/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 (NHA)](https://www.cteresource.org/resources/credentials/certified-medical-administrative-assistant-cmaa-examination-nha/) (also listed in Health and Medical Sciences) | National Healthcareer Association | 6500 - Business Education - Stenography  6900 - Business and Information Technology  6910 - Medical Office Procedures  6000 - Bus. Educ.-General Office Procedures |
| [Certified Secure Computer User (CSCU) Examination](https://www.cteresource.org/resources/credentials/certified-secure-computer-user-cscu-examination/) | E-C Council | 6900 - Business and Information Technology |
| [Cisco Certified Cyberops Associate Examination](https://www.cteresource.org/resources/credentials/cisco-certified-cyberops-associate-examination/) (also listed in Trade and Industrial Education) | Cisco Systems Inc. | 6630 - Networking  6900 - Business and Information Technology |
| [Cisco Certified DevNet Associate Examination](https://www.cteresource.org/resources/credentials/cisco-certified-devnet-associate-examination/) (also listed in Trade and Industrial Education) | Cisco Systems Inc. | 6630 - Networking  6900 - Business and Information Technology |
| [Cisco Certified Networking Associate (CCNA) Examination](https://www.cteresource.org/resources/credentials/cisco-certified-networking-associate-ccna-examination/) (also listed in Trade and Industrial Education) | Cisco Systems Inc. | 6630 - Networking  6900 - Business and Information Technology |
| [CLA-C Programming Language Certified Associate Examination](https://www.cteresource.org/resources/credentials/cla-c-programming-language-certified-associate-certification-examination/) | C++ Institute | 6900 - Business and Information Technology |
| [CLE-C Certified Entry-Level Programmer Examination](https://www.cteresource.org/resources/credentials/cle-c-certified-entry-level-programmer-certification-examination/) | C++ Institute | 6900 - Business and Information Technology |
| [Cloud+ Certification Examination](https://www.cteresource.org/resources/credentials/cloud--certification-examination/) (also listed in Trade and Industrial Education) | CompTIA | 6900 - Business and Information Technology |
| [Cloud Essentials+ Certification Examination](https://www.cteresource.org/resources/credentials/cloud-essentials--certification-examination/) (also listed in Trade and Industrial Education) | CompTIA | 6630 - Networking 6900 - Business and Information Technology |
| [CodeHS Cybersecurity Level 2 Certification Examination](https://www.cteresource.org/resources/credentials/codehs--cybersecurity-level-2-certification-examination/) | CodeHS | 6610 – Data Processing  6620 - Database Management 6630 - Networking  6900 - Business and Information Technology |
| [CodeHS Level 1 Certification Examinations](https://www.cteresource.org/resources/credentials/group/codehs-level-1-certification-examinations/) (pass any one) | CodeHS | 6610 – Data Processing  6620 - Database Management 6630 - Networking 6900 - Business and Information Technology |
| [Communication Skills for Business Examination](https://www.cteresource.org/resources/credentials/communication-skills-for-business-examination/) | Certiport | 6900 - Business and Information Technology |
| [CPA-C++ Certified Associate Programmer Certification Examination](https://www.cteresource.org/resources/credentials/cpa-c---certified-associate-programmer-certification/) | C++ Institute | 6900 - Business and Information Technology |
| [Cyber Forensics Associate Examination](https://www.cteresource.org/resources/credentials/cyber-forensics-associate-examination/) | EC-Council | 6900 - Business and Information Technology |
| [Cybersecurity Analyst (CySA+) Certification Examination](https://www.cteresource.org/resources/credentials/cybersecurity-analyst-cysa--certification-examination/) (also listed in Trade and Industrial Education) | CompTIA | 6630 - Networking 6900 - Business and Information Technology |
| [Electronic Health Record Certification (EHRC) Examination](https://www.cteresource.org/resources/credentials/electronic-health-record-certification-ehrc-examination/) (also in Health and Medical Sciences) | American Medical Certification Association (AMCA) | 6900 - Business and Information Technology  6910 - Medical Office Procedures  6000 - Bus. Educ.-General Office Procedures |
| [Ethical Hacking Associate Examination](https://www.cteresource.org/resources/credentials/ethical-hacking-associate-examination/) | EC-Council | 6900 - Business and Information Technology |
| [IC3 Digital Literacy Certification Examination](https://www.cteresource.org/resources/credentials/group/ic3-digital-literacy-certification-examination/) | Certiport | 6620 - Database Management 6630 - Networking 6900 - Business and Information Technology |
| [Information Technology Specialist Certification Examinations](https://www.cteresource.org/resources/credentials/group/information-technology-specialist-certification-examinations/) (pass any one) | Certiport | 6900 - Business and Information Technology |
| [Intuit Certified Bookkeeping Professional Certification Examination](https://www.cteresource.org/resources/credentials/intuit-certified-bookkeeping-professional-certification-examination/) | Certiport | 6900 - Business and Information Technology |
| [Intuit Quickbooks Certified User (QBCU) Certification Test](https://www.cteresource.org/resources/credentials/intuit-quickbooks-certified-user-qbcu-certification-test/) | Certiport | 6900 - Business and Information Technology |
| [Intuit Design for Delight Innovator Certification Examination](https://www.cteresource.org/resources/credentials/intuit-design-for-delight-innovator/) (also listed in Marketing) | Certiport | 6900 - Business and Information Technology |
| [IT Fundamentals Pro Examination](https://www.cteresource.org/resources/credentials/it-fundamentals-pro-examination/) | Test Out Corp. | 6900 - Business and Information Technology |
| [JSA-Certified Associate JavaScript Programmer Examination](https://www.cteresource.org/resources/credentials/jsa-certified-associate-javascript-programmer/) | OpenEDG JavaScript Institute | 6900 - Business and Information Technology |
| [JSE-Certified Entry-Level JavaScript Programmer Examination](https://www.cteresource.org/resources/credentials/jse-certified-entry-level-javascript-programmer/) | OpenEDG JavaScript Institute | 6900 - Business and Information Technology |
| [Linux+ Certification Examination](https://www.cteresource.org/resources/credentials/linux--certification-examination/) | CompTIA | 6620 - Database Management 6630 - Networking 6900 - Business and Information Technology |
| [Medical Administrative Assistant Certification (MAAC) Examination](https://www.cteresource.org/resources/credentials/medical-administrative-assistant-certification-maac-examination/) (also in Health and Medical Sciences) | American Medical Certification Association (AMCA) | 6900 - Business and Information Technology  6910 - Medical Office Procedures  6000 - Bus. Educ.-General Office Procedures |
| [Medical Coder & Biller Certification (MCBC) Examination](https://www.cteresource.org/resources/credentials/medical-coder---biller-certification-mcbc-examination/) (also in Health and Medical Sciences) | American Medical Certification Association (AMCA) | 6900 - Business and Information Technology  6910 - Medical Office Procedures  6000 - Bus. Educ.-General Office Procedures |
| [Medical Coding and Billing Specialist (MCBS) Examination](https://www.cteresource.org/resources/credentials/medical-coding-and-billing-specialist-mcbs-examination/) (also in Health and Medical Sciences) | American Allied Health (AAH) | 6900 - Business and Information Technology  6910 - Medical Office Procedures  6000 - Bus. Educ.-General Office Procedures |
| [Microsoft Certified Educator Examination](https://www.cteresource.org/resources/credentials/microsoft-certified-educator-examination/) | Microsoft | 6900 - Business and Information Technology |
| [Microsoft Certified Fundamentals Examinations](https://www.cteresource.org/resources/credentials/group/microsoft-certified-fundamentals-examinations/) (pass any one exam) | Microsoft | 6900- Business and Information Technology |
| [Microsoft Office Specialist (MOS) Examinations](https://www.cteresource.org/resources/credentials/group/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 |
| [National Certified Insurance and Coding Specialists (NCICS) Examination](https://www.cteresource.org/resources/credentials/national-certified-insurance-and-coding-specialists-ncics-examination/) (also in Health and Medical Sciences) | National Center for Competency Testing (NCCT) | 6900 - Business and Information Technology  6910 - Medical Office Procedures  6000 - Bus. Educ.-General Office Procedures |
| [National Registered Certified Administrative Health Assistant (NRCAHA) Examination](https://www.cteresource.org/resources/credentials/national-registered-certified-administrative-health-assistant-nrcaha-examination/) (also in Health and Medical Sciences) | National Association for Health Professionals (NAHP) | 6900 - Business and Information Technology  6910 - Medical Office Procedures  6000 - Bus. Educ.-General Office Procedures |
| [Nationally Registered Certified Coding Specialist (NCCCS) Examination](https://www.cteresource.org/resources/credentials/nationally-registered-certified-coding-specialist-ncccs-examination/) (also in Health and Medical Sciences) | National Association for Health Professionals (NAHP) | 6900 - Business and Information Technology  6910 - Medical Office Procedures  6000 - Bus. Educ.-General Office Procedures |
| [Network+ Certification Examination](https://www.cteresource.org/resources/credentials/network--certification-examination/) | CompTIA | 6620 - Database Management 6630 - Networking 6900 - Business and Information Technology |
| [Network Pro Certification Examination](https://www.cteresource.org/resources/credentials/network-pro-certification-examination/) | TestOut Corp. | 6620 - Database Management 6630 - Networking 6900 - Business and Information Technology |
| [Oracle Certified Associate, Java SE 8 Programmer Examination](https://www.cteresource.org/resources/credentials/oracle-certified-associate-java-se-8-programmer-examination/) | Oracle Academy | 6900 - Business and Information Technology |
| [Oracle Certified Foundations Associate Examinations](https://www.cteresource.org/resources/credentials/group/oracle-certified-foundations-associate-examinations/) (pass any one exam) | Oracle Academy | 6620 - Database Management 6630 - Networking 6900 - Business and Information Technology |
| [Oracle Database SQL Certified Associate Examination](https://www.cteresource.org/resources/credentials/oracle-database-sql-certified-associate-examination/) | Oracle Academy | 6900 - Business and Information Technology |
| [PC Pro Certification Examination](https://www.cteresource.org/resources/credentials/pc-pro-certification-examination/) | TestOut Corp. | 6620 - Database Management 6630 - Networking 6900 - Business and Information Technology |
| [Personal Financial Literacy Certification Examination](https://www.cteresource.org/resources/credentials/personal-financial-literacy-certification-examination/) | Center for Financial Responsibility (CFR) | 6900 - Business and Information Technology |
| [PMI Project Management Ready Examination](https://www.cteresource.org/resources/credentials/pmi-project-management-ready-certification/) (also listed in Marketing) | Certiport | 6900 - Business and Information Technology |
| [Security Pro Certification Examination](https://www.cteresource.org/resources/credentials/security-pro-certification-examination/) | TestOut Corp. | 6620 - Database Management 6630 - Networking 6900 - Business and Information Technology |
| [Security+ Certification Examination](https://www.cteresource.org/resources/credentials/security--certification-examination/) | CompTIA | 6620 - Database Management 6630 - Networking 6900 - Business and Information Technology |
| [W!SE Certification in Personal Finance Test for Educators](https://www.cteresource.org/resources/credentials/wse-certification-in-personal-finance-test-for-educators/) (also listed in Agricultural Education, Family and Consumer Science, and Marketing) | 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](https://www.cteresource.org/resources/credentials/ask-concepts-of-entrepreneurship-and-management-assessment/) | ASK Business Institute/MBA Research and Curriculum Center | 8200 - Family and Consumer Sciences |
| [Broad Field Family and Consumer Sciences Assessment](https://www.cteresource.org/resources/credentials/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](https://www.cteresource.org/resources/credentials/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](http://cteresource.org/credentials/2021-2022/Certified%20Hospitality%20and%20Tourism%20Management%20Professional%20Examination.pdf)](https://www.cteresource.org/resources/credentials/certified-hospitality-and-tourism-management-professional-examination/)  (must pass Level 1 and Level 2) (also listed in Marketing) | National Restaurant Association | 8200 - Family and Consumer Sciences 8245 - Occupational Foods |
| [Food Production Manager Certification](https://www.cteresource.org/resources/credentials/food-production-manager-certification-examination/) | Always Food Safe | 8275 Culinary Arts I  8276 Culinary Arts II  8279 Culinary Arts Specialization |
| [ServSafe Food Protection Manager Certification](https://www.cteresource.org/resources/credentials/servsafe-food-protection-manager-certification/) | National Restaurant Association | 8200 - Family and Consumer Sciences 8245 - Occupational Foods 8252 - Food Occupations  8535 - Culinary Arts |
| [W!SE Certification in Personal Finance Test for Educators](https://www.cteresource.org/resources/credentials/wse-certification-in-personal-finance-test-for-educators/) (also listed in Agricultural Education, Business and Information Technology, and Marketing) | Working in Support of Education (W!SE) | 8200 - Family and Consumer Sciences  8210 - Home Economics Consumer Homemaking  8220 - Home Economics Family Life |

| HEALTH AND MEDICAL SCIENCES EDUCATION NAME OF CREDENTIAL | ISSUING ORGANIZATION | CAREER AND TECHNICAL EDUCATION (CTE) ENDORSEMENT AREAS |
| --- | --- | --- |
| [AAPC Medical Coding Examinations](https://www.cteresource.org/resources/credentials/aapc-medical-coding-examinations/) (pass any one exam) (also in Business and Information Technology) | American Academy of Professional Coders (AAPC) | 8624 – Medical Coding and Billing |
| [Certified Clinical Medical Assistant (CCMA) Examination](https://www.cteresource.org/resources/credentials/certified-clinical-medical-assistant-ccma-examination-nha/) | National Healthcareer Association (NHA) | 8555 - Medical Assistant 8600 - Practical Nursing 8610 - Nursing Aide |
| [Certified Billing and Coding Specialist (CBCS) Examination](https://www.cteresource.org/resources/credentials/certified-billing-and-coding-specialist-cbcs-examination-nha/) | National Healthcareer Association (NHA) | 8624 – Medical Coding and Billing |
| [Certified Dental Assistant and National Entry-Level Dental Assistant: Infection Control (ICE) Examination](https://www.cteresource.org/resources/credentials/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 and Safety (RHS) Examination](https://www.cteresource.org/resources/credentials/certified-dental-assistant-and-national-entry-level-dental-assistant-radiation-health-and-safety-rhs-examination/) | Dental Assisting National Board Inc. | 8550 - Dental Aides |
| [Certified Electronic Health Records Specialist (CEHRS) Examination](https://www.cteresource.org/resources/credentials/certified-electronic-health-records-specialist-cehrs-examination/) (also in Business and Information Technology) | National Healthcareer Association | 8624 – Medical Coding and Billing  8555 - Medical Assistant 8600 - Practical Nursing 8610 - Nursing Aide  8620 - Health and Medical Sciences |
| [Certified EKG Technician (CET) Examination](https://www.cteresource.org/resources/credentials/certified-ekg-technician-cet-examination-aah/) | American Allied Health (AAH) | 8555 - Medical Assistant  8600 - Practical Nursing  8610 - Nursing Aide  8620 - Health and Medical Sciences |
| [Certified EKG Technician (CET) Examination](https://www.cteresource.org/resources/credentials/certified-ekg-technician-cet-examination-nha/) | National Healthcareer Association | 8555 - Medical Assistant 8600 - Practical Nursing 8610 - Nursing Aide 8620 - Health and Medical Sciences |
| [Certified Emergency Telecommunicator Examination](https://www.cteresource.org/resources/credentials/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](https://www.cteresource.org/resources/credentials/certified-group-fitness-instructor-examination/) | Athletics and Fitness Association of America | 8617 - Sports Medicine/Athletic Trainer |
| [Certified Medical Administrative Assistant (CMAA) Examination](https://www.cteresource.org/resources/credentials/certified-medical-administrative-assistant-cmaa-examination-nha/) | National Healthcareer Association | 8555 - Medical Assistant  8600 - Practical Nursing  8610 - Nursing Aide  8620 - Health and Medical Sciences |
| [Clinical Medical Assistant Certification (CMAC) Examination](https://www.cteresource.org/resources/credentials/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](https://www.cteresource.org/resources/credentials/certified-nurse-aide-examination/) | Virginia Board of Nursing | 8600 - Practical Nursing  8610 - Nursing Aide |
| [Certified Optometric Assistant (COA) Examination](https://www.cteresource.org/resources/credentials/certified-optometric-assistant-coa-examination-aah/) | American Allied Health (AAH) | 8549 - Vision Care Technician |
| [Certified Patient Care Technician (CPCT) Examination](https://www.cteresource.org/resources/credentials/certified-patient-care-technician-cpct-examination-aah/) | American Allied Health | 8600 - Practical Nursing  8610 - Nursing Aide  8620 - Health and Medical Sciences |
| [Certified Patient Care Technician (CPCT/A) Examination](https://www.cteresource.org/resources/credentials/certified-patient-care-technician-cpcta-examination-nha/) | National Healthcareer Association | 8600 - Practical Nursing  8610 - Nursing Aide |
| [Certified Personal Trainer Examination](https://www.cteresource.org/resources/credentials/certified-personal-trainer-examination/) | National Academy of Sports Medicine (NASM) | 8617 - Sports Medicine/Athletic Trainer  8615 - Occupational/Physical Therapy Assistant |
| [Certified Pharmacy Technician (CPhT) Examination](https://www.cteresource.org/resources/credentials/certified-pharmacy-technician-cpht-examination/) | Pharmacy Technician Certification Board (PTCB) | 8623 - Pharmacy Technician |
| [Certified Phlebotomy Technician (CPT) Examination](https://www.cteresource.org/resources/credentials/certified-phlebotomy-technician-cpt-examination-aah/) | American Allied Health (AAH) | 8555 - Medical Assistant 8600 - Practical Nursing 8610 - Nursing Aide 8620 - Health and Medical Sciences  8556 - Medical Laboratory Technician |
| [Certified Phlebotomy Technician (CPT) Examination](https://www.cteresource.org/resources/credentials/certified-phlebotomy-technician-cpt-examination-nha/) | National Healthcareer Association | 8555 - Medical Assistant 8600 - Practical Nursing 8610 - Nursing Aide 8620 - Health and Medical Sciences  8556 - Medical Laboratory Technician |
| [Certified Physical Therapy Aide (CPTA) Examination](https://www.cteresource.org/resources/credentials/certified-physical-therapy-aide-cpta-examination-aah/) | American Allied Health | 8615 - Occupational/Physical Therapy Assistant |
| [Certified Surgical Technologist (CST) Examination](https://www.cteresource.org/resources/credentials/certified-surgical-technologist-cst-examination/) | National Board of Surgical Technology and Surgical Assisting (NBSTSA) | 8710 - Surgical Technology - Core Instructor 8711 - Surgical Technology - Program Director |
| [Dental Support Technician Certification (DSTC) Examination](https://www.cteresource.org/resources/credentials/dental-support-technician-certification-dstc-examination/) | American Medical Certification Association (AMCA) | 8550 - Dental Aides |
| [EKG Technician Certification (ETC) Examination](https://www.cteresource.org/resources/credentials/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](https://www.cteresource.org/resources/credentials/electronic-health-record-certification-ehrc-examination/) (also in Business and Information Technology) | American Medical Certification Association (AMCA) | 8624 – Medical Coding and Billing  8555 - Medical Assistant 8600 - Practical Nursing 8610 - Nursing Aide  8620 - Health and Medical Sciences |
| [Emergency Medical Responder Examination](https://www.cteresource.org/resources/credentials/emergency-medical-responder-examination/) | Virginia Department of Health, Office of Emergency Medical Services | 8557 - Emergency Medical Technician |
| [Emergency Medical Technician Examination](https://www.cteresource.org/resources/credentials/emergency-medical-technician-examination/) | Virginia Department of Health, Office of Emergency Medical Services | 8557 - Emergency Medical Technician |
| [Examination for Certification of Pharmacy Technicians (ExCPT)](https://www.cteresource.org/resources/credentials/examination-for-certification-of-pharmacy-technicians-excpt-nha/) | National Healthcareer Association (NHA) | 8623 - Pharmacy Technician |
| [Limited Licensed Radiology Technologist (LLRT) Examination](https://www.cteresource.org/resources/credentials/limited-licensed-radiology-technologist-llrt-examination-aah/) | American Allied Health (AAH) | 8558-Radiologic Technology |
| [Medical Administrative Assistant Certification (MAAC) Examination](https://www.cteresource.org/resources/credentials/medical-administrative-assistant-certification-maac-examination/) (also in Business and Information Technology) | American Medical Certification Association (AMCA) | 8555 - Medical Assistant  8600 - Practical Nursing  8610 - Nursing Aide  8620 - Health and Medical Sciences |
| [Medical Assistant Certification (MAC) Examination](https://www.cteresource.org/resources/credentials/medical-assistant-certification-mac-examination/) | American Medical Certification Association (AMCA) | 8555 - Medical Assistant  8600 - Practical Nursing  8610 - Nursing Aide |
| [Medical Coder & Biller Certification (MCBC) Examination](https://www.cteresource.org/resources/credentials/medical-coder---biller-certification-mcbc-examination/) (also in Business and Information Technology) | American Medical Certification Association (AMCA) | 8624 – Medical Coding and Billing |
| [Medical Coding and Billing Specialist (MCBS) Examination](https://www.cteresource.org/resources/credentials/medical-coding-and-billing-specialist-mcbs-examination/) (also in Business and Information Technology) | American Allied Health (AAH) | 8624 – Medical Coding and Billing |
| [Mental Health Technician Certification Examination](https://www.cteresource.org/resources/credentials/mental-health-technician-certification-examination/) | American Medical Certification Association (AMCA) | 8600 - Practical Nursing  8610 - Nursing Aide  8620 - Health and Medical Sciences |
| [National Certified Insurance and Coding Specialists (NCICS) Examination](https://www.cteresource.org/resources/credentials/national-certified-insurance-and-coding-specialists-ncics-examination/) (also in Business and Information Technology) | National Center for Competency Testing (NCCT) | 8624 – Medical Coding and Billing |
| [National Certified Medical Assistant (NCMA) Examination](https://www.cteresource.org/resources/credentials/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](https://www.cteresource.org/resources/credentials/national-certified-patient-care-technician-ncpct-examination/)](http://cteresource.org/credentials/2021-2022/National%20Certified%20Patient%20Care%20Technician%20(NCPCT)%20Examination.pdf) | National Center for Competency Testing (NCCT) | 8600 - Practical Nursing  8610 - Nursing Aide  8620 - Health and Medical Sciences |
| [National Certified Phlebotomy Technician (NCPT) Examination](https://www.cteresource.org/resources/credentials/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 |
| [National Entry Level Dental Assistant: Anatomy, Morphology and Physiology (AMP) Examination](https://www.cteresource.org/resources/credentials/national-entry-level-dental-assistant-anatomy-morphology-and-physiology-amp-examination/) | Dental Assisting National Board Inc. | 8550 - Dental Aides |
| [National Registered Certified Administrative Health Assistant (NRCAHA) Examination](https://www.cteresource.org/resources/credentials/national-registered-certified-administrative-health-assistant-nrcaha-examination/) (also in Business and Information Technology) | National Association for Health Professionals (NAHP) | 8555 - Medical Assistant  8600 - Practical Nursing  8610 - Nursing Aide  8620 - Health and Medical Sciences |
| [Nationally Registered Certified Coding Specialist (NCCCS) Examination](https://www.cteresource.org/resources/credentials/nationally-registered-certified-coding-specialist-ncccs-examination/) (also in Business and Information Technology) | National Association for Health Professionals (NAHP) | 8624 – Medical Coding and Billing |
| [Nationally Registered Credentialed Dental Assistant (NRCDA) Examination](https://www.cteresource.org/resources/credentials/nationally-registered-credentialed-dental-assistant-nrcda-examination/) | National Association for Health Professionals (NAHP) | 8550 - Dental Aides |
| [Nationally Registered Certified EKG Technician (NRCEKGT) Examination](https://www.cteresource.org/resources/credentials/nationally-registered-certified-ekg-technician-nrcekgt-examination/) | National Association for Health Professionals (NAHP) | 8555 - Medical Assistant  8600 - Practical Nursing  8610 - Nursing Aide  8620 - Health and Medical Sciences |
| [Nationally Registered Certified Medical Assistant (NRCMA) Examination](https://www.cteresource.org/resources/credentials/nationally-registered-certified-medical-assistant-nrcma-examination/) | National Association for Health Professionals (NAHP) | 8555 -Medical Assistant  8600 - Practical Nursing  8610 - Nursing Aide  8620 - Health and Medical Sciences |
| [Nationally Registered Certified Patient Care Technician (NRCPCT) Examination](https://www.cteresource.org/resources/credentials/nationally-registered-certified-patient-care-technician-nrcpct-examination/) | National Association for Health Professionals (NAHP) | 8600 - Practical Nursing  8610 - Nursing Aide  8620 - Health and Medical Sciences |
| [Nationally Registered Certified Pharmacy Technician (NRCPhT) Examination](https://www.cteresource.org/resources/credentials/nationally-registered-certified-pharmacy-technician-nrcpht-examination/) | National Association for Health Professionals (NAHP) | 8623 - Pharmacy Technician |
| [Nationally Registered Certified Phlebotomy Technician (NRCPT) Examination](https://www.cteresource.org/resources/credentials/nationally-registered-certified-phlebotomy-technician-nrcpt-examination/) | National Association for Health Professionals (NAHP) | 8555 - Medical Assistant 8600 - Practical Nursing 8610 - Nursing Aide 8620 - Health and Medical Sciences  8556 - Medical Laboratory Technician |
| [Nationally Registered Certified Surgical Technician (NRCST) Examination](https://www.cteresource.org/resources/credentials/nationally-registered-certified-surgical-technician-nrcst-examination/) | National Association for Health Professionals (NAHP) | 8710 - Surgical Technology - Core Instructor 8711 - Surgical Technology - Program Director |
| [Patient Care Technician (PCT) Examination](https://www.cteresource.org/resources/credentials/patient-care-technician-pct-examination/) | American Medical Technologists (AMT) | 8555 - Medical Assistant 8600 - Practical Nursing 8610 – Nursing Aide |
| [Patient Care Technician Certification (PCTC) Examination](https://www.cteresource.org/resources/credentials/patient-care-technician-certification-pctc-examination/) | American Medical Certification Association (AMCA) | 8600 - Practical Nursing  8610 - Nursing Aide  8620 - Health and Medical Sciences |
| [Phlebotomy Technician Certification (PTC) Examination](https://www.cteresource.org/resources/credentials/phlebotomy-technician-certification-ptc-examination/) | American Medical Certification Association (AMCA) | 8555 - Medical Assistant 8600 - Practical Nursing 8610 - Nursing Aide 8556 - Medical Laboratory Technician |
| [Physical Therapy Technician Certification (PTTC) Examination](https://www.cteresource.org/resources/credentials/physical-therapy-technician-certification-pttc-examination/) | American Medical Certification Association (AMCA) | 8615 - Occupational/Physical Therapy Assistant |
| [Registered Medical Assistant (RMA) Examination](https://www.cteresource.org/resources/credentials/registered-medical-assistant-rma-examination/) | American Allied Health (AAH) | 8555 - Medical Assistant  8600 - Practical Nursing  8610 - Nursing Aide  8620 - Health and Medical Sciences |
| [Registered Phlebotomy Technician (RPT) Examination](https://www.cteresource.org/resources/credentials/registered-phlebotomy-technician-rpt-examination/) | American Medical Technologists (AMT) | 8555 - Medical Assistant 8600 - Practical Nursing 8610 - Nursing Aide 8620 - Health and Medical Sciences  8556 - Medical Laboratory Technician |
| [Tech in Surgery–Certified (TS-C) Examination](https://www.cteresource.org/resources/credentials/tech-in-surgerycertified-ts-c-examination/) | 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](https://www.cteresource.org/resources/credentials/ask-concepts-of-entrepreneurship-and-management-assessment/) | ASK Business Institute | 8100 - Marketing Education 8140 - International Marketing |
| [A\*S\*K Concepts of Finance Assessment](https://www.cteresource.org/resources/credentials/ask-concepts-of-finance-assessment/) | ASK Business Institute | 8100 - Marketing Education 8140 - International Marketing |
| [A\*S\*K Fundamental Marketing Concepts Assessment](https://www.cteresource.org/resources/credentials/ask-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](https://www.cteresource.org/resources/credentials/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](https://www.cteresource.org/resources/credentials/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](http://cteresource.org/credentials/2021-2022/Certified%20Hospitality%20and%20Tourism%20Management%20Professional%20Examination.pdf)](https://www.cteresource.org/resources/credentials/certified-hospitality-and-tourism-management-professional-examination/)  (must pass Level 1 and Level 2) (also listed in Family & Consumer Sciences Education) | National Restaurant Association | 8100 - Marketing Education 8130 - Hotel/Motel Operations  8180 – Travel and Tourism |
| [Customer Service and Sales Certification Assessment](https://www.cteresource.org/resources/credentials/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 |
| [Intuit Design for Delight Innovator Certification Examination](https://www.cteresource.org/resources/credentials/intuit-design-for-delight-innovator/) (also listed in Business and Information Technology) | Certiport | 8100 - Marketing Education  8110 - Apparel and Accessories  8130 - Hotel/Motel Operations  8140 - International Marketing  8170 - Sports/Entertainment/Recreation  8180 - Travel and Tourism |
| [PMI Project Management Ready Examination](https://www.cteresource.org/resources/credentials/pmi-project-management-ready-certification/) (also in Business and Information Technology) | Certiport | 8100 - Marketing Education  8110 - Apparel and Accessories  8130 - Hotel/Motel Operations  8140 - International Marketing  8170 - Sports/Entertainment/Recreation  8180 - Travel and Tourism |
| [Retail Industry Fundamentals Certification Assessment](https://www.cteresource.org/resources/credentials/retail-industry-fundamentals-certification-assessment/) | NRF Foundation | 8100 - Marketing Education  8110 - Apparel and Accessories |
| [W!SE Certification in Personal Finance Test for Educators](https://www.cteresource.org/resources/credentials/wse-certification-in-personal-finance-test-for-educators/) (also listed in Agricultural Education, Business Information and Technology, and Family and Consumer Science) | 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 |
| --- | --- | --- |
| [3DEXPERIENCE SOLDIWORKS Associate Academic Examination](https://www.cteresource.org/resources/credentials/3dexperience-solidworks-associate-academic/) | SOLIDWORKS Corp. | 7200 – Technology Education |
| [Architectural Apprentice Drafter Examination](https://www.cteresource.org/resources/credentials/architectural-apprentice-drafter-examination/) | American Design Drafting Association (ADDA) | 7200 - Technology Education |
| [Architectural Certified Drafter Examination](https://www.cteresource.org/resources/credentials/architectural-certified-drafter-examination/) | American Design Drafting Association (ADDA) | 7200 - Technology Education |
| [Adobe Certified Professional Examinations](https://www.cteresource.org/resources/credentials/group/adobe-certified-professional-examinations/) (pass any one exam) | Adobe Systems Inc. | 7200 - Technology Education |
| [Autodesk Certified Associate in CAD for Mechanical Design Examination](https://www.cteresource.org/resources/credentials/autodesk-certified-associate-in-cad-for-mechanical-design/) (also listed in Trade and Industrial Education) | Autodesk | 7200 – Technology Education |
| [Autodesk Certified Expert in Generative Design for Manufacturing Examination](https://www.cteresource.org/resources/credentials/autodesk-certified-expert-in-generative-design-for-manufacturing-examination/) (also listed in Trade and Industrial Education) | Autodesk | 7200 – Technology Education |
| [Autodesk Certified Professional Examinations](https://www.cteresource.org/resources/credentials/group/autodesk-certified-professional-examinations/) (pass any one exam) (also listed in Trade and Industrial Education) | Certiport | 7200 - Technology Education |
| [Autodesk Certified User Examinations](https://www.cteresource.org/resources/credentials/group/autodesk-certified-user-examinations/) (pass any one exam) (also listed in Trade and Industrial Education) | Certiport | 7200 - Technology Education |
| [Avid Certified Professional for Media Composer Certification Examination](https://www.cteresource.org/resources/credentials/avid-certified-professional-for-media-composer-certification-examination/) (also listed in Trade and Industrial Education) | Avid | 7200 - Technology Education |
| [Avid Certified User for Media Composer Certification Examination](https://www.cteresource.org/resources/credentials/avid-certified-user-for-media-composer-certification-examination/) (also listed in Trade and Industrial Education) | Avid | 7200 - Technology Education |
| [Business Certificate for Manufacturing Examination](https://www.cteresource.org/resources/credentials/business-certificate-for-manufacturing-examination/) | Manufacturing Skills Institute (MSI) | 7200 - Technology Education |
| [Certified Logistics Associate (CLA) Examination](https://www.cteresource.org/resources/credentials/certified-logistics-associate-cla-examination/) | Manufacturing Skills Standards Council (MSSC) | 7200 - Technology Education |
| [Certified Logistics Technician (CLT) Associate Examination](https://www.cteresource.org/resources/credentials/certified-logistics-technician-clt-examination/) | Manufacturing Skills Standards Council (MSSC) | 7200 - Technology Education |
| [Certified Production Technician (CPT) 4.0 Assessment](https://www.cteresource.org/resources/credentials/group/certified-production-technician-cpt-40-assessment/) | Manufacturing Skill Standards Council (MSSC) | 7200 - Technology Education |
| [Certified SOLIDWORKS Associate (CSWA) Examination](https://www.cteresource.org/resources/credentials/certified-solidworks-associate-cswa-examination/) | SOLIDWORKS Corp. | 7200 - Technology Education |
| [Certified SOLIDWORKS Professional (CSWP) Examination](https://www.cteresource.org/resources/credentials/certified-solidworks-professional-cswp-examination/) | SOLIDWORKS Corp. | 7200 - Technology Education |
| [Digital Video Editor (DVE) Examination](https://www.cteresource.org/resources/credentials/digital-video-editor-dve-examination/) | Electronics Technicians Association (ETA), International | 7200 - Technology Education |
| [Energy Industry Fundamentals Certificate Assessment](https://www.cteresource.org/resources/credentials/energy-industry-fundamentals-certificate-assessment/) | Center for Energy Workforce Development | 7200 - Technology Education |
| [FANUC Certified Robot Operator with ROBOGUIDE Assessment](https://www.cteresource.org/resources/credentials/certified-robot-operator-1-assessment/) | FANUC America Corp. | 7200 - Technology Education |
| [Festo NC3 Introduction to Mechatronics STEM Lab Certification](https://www.cteresource.org/resources/credentials/festo-nc3-introduction-to-mechatronics-stem-lab-certification/) (also listed in Trade and Industrial Education) | NC3 National Coalition of Certification Centers | 7200 – Technology Education |
| [Festo NC3 Level 1: Fundamentals Certifications](https://www.cteresource.org/resources/credentials/group/festo-nc3-level-1-fundamentals-certifications/) (pass any one) (also listed in Trade and Industrial Education) | NC3 National Coalition of Certification Centers | 7200 – Technology Education |
| [IC3 Digital Literacy Certification Examination](https://www.cteresource.org/resources/credentials/group/ic3-digital-literacy-certification-examination/) | Certiport | 7200 - Technology Education |
| [GIS Fundamentals Foundation Examination](https://www.cteresource.org/resources/credentials/gis-fundamentals-foundation-examination/) | Environmental Systems Research Institute (ESRI) | 7200 – Technology Education |
| [Laboratory Technician Certification Examination](https://www.cteresource.org/resources/credentials/laboratory-technician-certification-examination/) | Manufacturing Skills Institute (MSI) | 7200 - Technology Education |
| [Manufacturing Specialist Certification Examination](https://www.cteresource.org/resources/credentials/manufacturing-specialist-certification-examination/) | Manufacturing Skills Institute (MSI) | 7200 - Technology Education |
| [Manufacturing Technician Level 1 Certification Examination](https://www.cteresource.org/resources/credentials/manufacturing-technician-level-1-certification-examination/) | Manufacturing Skills Institute (MSI) | 7200 - Technology Education |
| [Mechanical Apprentice Drafter Examination](https://www.cteresource.org/resources/credentials/mechanical-apprentice-drafter-examination/) | American Design Drafting Association (ADDA) | 7200 - Technology Education |
| [Mechanical Certified Drafter Examination](https://www.cteresource.org/resources/credentials/mechanical-certified-drafter-examination/) | American Design Drafting Association (ADDA) | 7200 - Technology Education |
| [Mechatronics Systems Certification Examinations](https://www.cteresource.org/resources/credentials/group/mechatronics-systems-certification-examinations/) (pass any one exam) | Siemens AG | 7200 – Technology Education |
| [Modeling and Simulation Certification Examination](https://www.cteresource.org/resources/credentials/modeling-and-simulation-certification-examination/) | National Center for Simulation | 7200 - Technology Education |
| [Onshape Certified Associate Examination](https://www.cteresource.org/resources/credentials/onshape-certified-associate-examination/) | Onshape, Inc. | 7200 – Technology Education |
| [Pre-Engineering Certification Examinations](https://www.cteresource.org/resources/credentials/group/pre-engineering-certification-examinations/) | Robotics Education Competition Foundation (RECF) | 7200 - Technology Education |
| [Pre-Manufacturing Technician 1 (Pre-MT1) Examination](https://www.cteresource.org/resources/credentials/pre-manufacturing-technician-1-pre-mt1-examination/) | Manufacturing Skills Institute (MSI) | 7200 - Technology Education |
| [Rapid Prototyping & 3D Design Beginner Certification Examination](https://www.cteresource.org/resources/credentials/rapid-prototyping---3d-design-beginner-certification-examination/) | Digital Quest | 7200 - Technology Education |
| [Robotics Certification Examination](https://www.cteresource.org/resources/credentials/group/robotics-certification-examination/) | Robotics Education Competition Foundation (RECF) | 7200 - Technology Education |
| [Smart Automation Associate Certifications](https://www.cteresource.org/resources/credentials/group/smart-automation-associate-certifications/) (pass any one)(also listed in Trade and Industrial Education | Smart Automation Certification Alliance (SACA) | 7200 – Technology Education |
| [Smart Manufacturing and Advanced Robotics Training (SMART) Certification Examination](https://www.cteresource.org/resources/credentials/smart-manufacturing-and-advanced-robotics-training-smart-certification-examination/) | Carnegie Mellon Robotics Academy | 7200 – Technology Education  8425 – Electronics Technology  8541 – Industrial Robotics |
| [Spatial Projects and Community Exchange (SPACE) Examination](https://www.cteresource.org/resources/credentials/spatial-projects-and-community-exchange-space-examination/) | Digital Quest Inc. | 7200 - Technology Education |
| [Spatial Technology and Remote Sensing (STARS) Certification Examination](https://www.cteresource.org/resources/credentials/spatial-technology-and-remote-sensing-stars-certification-examination/) | Digital Quest Inc. | 7200 - Technology Education |
| [Stratasys Additive Manufacturing Certification–Level 1 Examination](https://www.cteresource.org/resources/credentials/stratasys-additive-manufacturing-certificationlevel-1-examination/) | Stratasys | 7200 - Technology Education |
| [Unity Certified UserExaminations](https://www.cteresource.org/resources/credentials/group/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](https://www.cteresource.org/resources/credentials/a--certification-examination/) | CompTIA | 8425 - Electronics Technology  8490 - Computer Systems Technology |
| [Adobe Certified Professional Examinations](https://www.cteresource.org/resources/credentials/group/adobe-certified-professional-examinations/) (pass any one exam) | Adobe Systems Inc. | 8401 - Commercial Photography 8530 - Advertising Design  8563 – Graphic Imaging Technology  8625 – Television Production  8560 - Printing |
| [Air Cooled Engine Gasoline Engines Expert Technician Test](https://www.cteresource.org/resources/credentials/air-cooled-engine-gasoline-engines-expert-technician-test/) | Kohler Engines | 8418 – Small Engine Repair |
| [Architectural Apprentice Drafter Examination](https://www.cteresource.org/resources/credentials/architectural-apprentice-drafter-examination/) | American Design Drafting Association (ADDA) | 8465 - Drafting |
| [Architectural Certified Drafter Examination](https://www.cteresource.org/resources/credentials/architectural-certified-drafter-examination/) | American Design Drafting Association (ADDA) | 8465 - Drafting |
| [ASE Certification Examinations](https://www.cteresource.org/resources/credentials/group/ase-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](https://www.cteresource.org/resources/credentials/associate-certified-electronics-technician-ceta-examination/) | Electronics Technicians Association (ETA) International | 8425 - Electronics Technology  8541 - Industrial Robotics |
| [Autodesk Certified Associate in CAD for Mechanical Design Examination](https://www.cteresource.org/resources/credentials/autodesk-certified-associate-in-cad-for-mechanical-design/) (also listed in Technology Education) | Autodesk | 8465 - Drafting |
| [Autodesk Certified Expert in Generative Design for Manufacturing Examination](https://www.cteresource.org/resources/credentials/autodesk-certified-expert-in-generative-design-for-manufacturing-examination/) (also listed in Technology Education) | Autodesk | 8465 - Drafting |
| [Autodesk Certified Professional Examinations](https://www.cteresource.org/resources/credentials/group/autodesk-certified-professional-examinations/) (pass any one exam) (also listed in Technology Education) | Certiport | 8465 - Drafting |
| [Autodesk Certified User Examinations](https://www.cteresource.org/resources/credentials/group/autodesk-certified-user-examinations/) (pass any one exam) (also listed in Technology Education) | Certiport | 8465 - Drafting |
| [Avid Certified Professional for Media Composer Certification Examination](https://www.cteresource.org/resources/credentials/avid-certified-professional-for-media-composer-certification-examination/) (also listed in Technology Education) | Avid | 8625 - Television Production 8563 - Graphic Imaging Technology |
| [Avid Certified User for Media Composer Certification Examination](https://www.cteresource.org/resources/credentials/avid-certified-user-for-media-composer-certification-examination/) (also listed in Technology Education) | Avid | 8625 - Television Production 8563 - Graphic Imaging Technology |
| [Carpentry Level One Entry-Level Assessment](https://www.cteresource.org/resources/credentials/nccer-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](https://www.cteresource.org/resources/credentials/certified-alarm-security-technician-cast-examination/) | Electronics Technicians Association (ETA) International | 8425 - Electronics Technology |
| [Certified Broadcast Technologist (CBT) Examination](https://www.cteresource.org/resources/credentials/certified-broadcast-technologist-cbt-examination/) | The Society of Broadcast Engineers (SBE) | 8425 - Electronics Technology  8626 - Radio Communication  8625 - Television Production |
| [Certified Radio Operator (CRO) Examination](https://www.cteresource.org/resources/credentials/certified-radio-operator-cro-examination/) | The Society of Broadcast Engineers (SBE) | 8425 - Electronics Technology  8626 - Radio Communication |
| [Certified Satellite Installer (CSI) Examination](https://www.cteresource.org/resources/credentials/certified-satellite-installer-csi-examination/) | Electronics Technicians Association (ETA) International | 8425 - Electronics Technology |
| [Certified Television Operator Examination](https://www.cteresource.org/resources/credentials/certified-television-operator-examination/) | The Society of Broadcast Engineers (SBE) | 8425 - Electronics Technology  8625 - Television Production |
| [Cisco Certified Cyberops Associate Examination](https://www.cteresource.org/resources/credentials/cisco-certified-cyberops-associate-examination/) (also listed in Business Information and Technology) | Cisco Systems Inc. | 8425 - Electronics Technology  8485 - Computer Repair Technology  8490 - Computer Systems Technology |
| [Cisco Certified DevNet Associate Examination](https://www.cteresource.org/resources/credentials/cisco-certified-devnet-associate-examination/) (also listed in Business Information and Technology) | Cisco Systems Inc. | 8425 - Electronics Technology  8485 - Computer Repair Technology  8490 - Computer Systems Technology |
| [Cisco Certified Networking Associate (CCNA) Examination](https://www.cteresource.org/resources/credentials/cisco-certified-networking-associate-ccna-examination/) (also listed in Business Information and Technology) | Cisco Systems Inc. | 8425 - Electronics Technology  8485 - Computer Repair Technology  8490 - Computer Systems Technology |
| [Cloud+ Certification Examination](https://www.cteresource.org/resources/credentials/cloud--certification-examination/) (also listed in Business and Information Technology) | CompTIA | 8490- Computer Systems Technology |
| [Cloud Essentials+ Certification Examination](https://www.cteresource.org/resources/credentials/cloud-essentials--certification-examination/)  (also listed in Business and Information Technology) | CompTIA | 8425 - Electronics Technology 8490 - Computer Systems Technology |
| [Computer-Aided Manufacturing (CAM) – Level 1 Examinations](https://www.cteresource.org/resources/credentials/group/computer-aided-manufacturing-camlevel-1-examinations/) (pass any one exam) | National Institute for Metalworking Skills Inc. (NIMS) | 8451- Precision Machining Technology |
| [Computer Service Technician (CST) Examination](https://www.cteresource.org/resources/credentials/computer-service-technician-cst-examination/) | Electronics Technicians Association (ETA) International | 8425 - Electronics Technology 8490 - Computer Systems Technology |
| [Construction Technologist Entry-Level Assessment](https://www.cteresource.org/resources/credentials/nccer-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: Introduction to Basic Construction Skills Assessment](https://www.cteresource.org/resources/credentials/nccer-core-introduction-to-basic-construction-skills-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 (CySA+) Certification Examination](https://www.cteresource.org/resources/credentials/cybersecurity-analyst-cysa--certification-examination/) (also listed in Business and Information Technology) | CompTIA | 8425 – Electronics Technology  8490 – Computer Systems Technology |
| [Data Cabling Installer (DCI) Examination](https://www.cteresource.org/resources/credentials/data-cabling-installer-dci-examination/) | Electronics Technicians Association (ETA) International | 8420 - Electricity  8425 - Electronics Technology |
| [EETCTechnician Certification Tests](https://www.cteresource.org/resources/credentials/group/eetc-technician-certification-tests/) (pass any one test) (also listed in Agricultural Education) | Equipment and Engine Training Council (EETC) | 8418 – Small Engine Repair |
| [Electrical Level One Entry-Level Assessment](https://www.cteresource.org/resources/credentials/nccer-electrical-level-one-entry-level-assessment/) | National Center for Construction Education & Research (NCCER) | 8420 - Electricity  8430 - Building Trades |
| [Electronics Module: AC (EM2) Examination](https://www.cteresource.org/resources/credentials/electronics-module-ac-em2-examination/) | Electronics Technicians Association (ETA) International | 8425 - Electronics Technology |
| [Electronics Module: Analog (EM3) Examination](https://www.cteresource.org/resources/credentials/electronics-module-analog-em3-examination/) | Electronics Technicians Association (ETA) International | 8425 - Electronics Technology |
| [Electronics Module: Comprehensive (EM5) Examination](https://www.cteresource.org/resources/credentials/electronics-module-comprehensive-em5-examination/) | Electronics Technicians Association (ETA) International | 8425 - Electronics Technology |
| [Electronics Module: DC (EM1) Examination](https://www.cteresource.org/resources/credentials/electronics-module-dc-em1-examination/) | Electronics Technicians Association (ETA) International | 8425 - Electronics Technology |
| [Electronics Module: Digital (EM4) Examination](https://www.cteresource.org/resources/credentials/electronics-module-digital-em4-examination/) | Electronics Technicians Association (ETA) International | 8425 - Electronics Technology |
| [EPA Technician Examinations](https://www.cteresource.org/resources/credentials/group/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](https://www.cteresource.org/resources/credentials/festo-nc3-introduction-to-mechatronics-stem-lab-certification/) (also listed in Technology Education) | NC3 National Coalition of Certification Centers | 8425 – Electronics Technology  8541 – Industrial Robotics |
| [Festo NC3 Level 1: Fundamentals Certifications](https://www.cteresource.org/resources/credentials/group/festo-nc3-level-1-fundamentals-certifications/) (pass any one) (also listed in Technology Education) | NC3 National Coalition of Certification Centers | 8425 – Electronics Technology  8541 – Industrial Robotics |
| [Fiber Optics Installer (FOI) Examination](https://www.cteresource.org/resources/credentials/fiber-optics-installer-foi-examination/) | Electronics Technicians Association (ETA) International | 8425 - Electronics Technology |
| [Firefighter I Certification Exam](https://www.cteresource.org/resources/credentials/firefighter-i-certification-exam/) | Virginia Department of Fire Programs | 8630 - Firefighting |
| [Firefighter II Certification Exam](https://www.cteresource.org/resources/credentials/firefighter-ii-certification-exam/) | Virginia Department of Fire Programs | 8630 - Firefighting |
| [Flux Core Arc Welding (FCAW) Examination](https://www.cteresource.org/resources/credentials/flux-core-arc-welding-fcaw-examination/) | American Welding Society (AWS) | 8580 - Welding 8000 - Agricultural Education 8008 - Agricultural Machinery Service |
| [Gas Metal Arc Welding (GMAW) Examination](https://www.cteresource.org/resources/credentials/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](https://www.cteresource.org/resources/credentials/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](https://www.cteresource.org/resources/credentials/general-communications-technicianlevel-1-gct1-examination/) | Electronics Technicians Association (ETA) International | 8425 - Electronics Technology |
| [General Radiotelephone Operator (GRO) Examination](https://www.cteresource.org/resources/credentials/general-radiotelephone-operator-gro-examination/) | Federal Communications Commission (FCC) | 8425 - Electronics Technology  8626 - Radio Communication |
| [Heating, Electrical, Air Conditioning Technology (HEAT) Examination](https://www.cteresource.org/resources/credentials/heating-electrical-air-conditioning-technology-heat-examination/) | HVAC Excellence | 8515 - Heating, Ventilation, Air Conditioning and Refrigeration |
| [Heavy Equipment Operations Level One Entry-Level Assessment](https://www.cteresource.org/resources/credentials/nccer-heavy-equipment-operations-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](https://www.cteresource.org/resources/credentials/nccer-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](https://www.cteresource.org/resources/credentials/group/industrial-technology-maintenancelevel-1-examinations/) (pass any one exam) | National Institute for Metalworking Skills (NIMS) | 8542 – Industrial Maintenance Technology |
| [Installer (or Service) Core (HVAC/R) Examination](https://www.cteresource.org/resources/credentials/installer-or-service-core-hvacr-examination/) | North American Technician Excellence Inc. (NATE) | 8515 - Heating, Ventilation, Air Conditioning and Refrigeration |
| [International Code Council Residential Building Inspector (B1) Examination](https://www.cteresource.org/resources/credentials/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](https://www.cteresource.org/resources/credentials/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](https://www.cteresource.org/resources/credentials/international-code-council-residential-mechanical-hvac-inspector-m1-examination/) | International Code Council (ICC) | 8515 - Heating, Ventilation, Air Conditioning and Refrigeration |
| [International Code Council Residential Plumbing Inspector (P1) Examination](https://www.cteresource.org/resources/credentials/international-code-council-residential-plumbing-inspector-p1-examination/) | International Code Council (ICC) | 8510 - Plumbing 8430 - Building Trades |
| [IT Fundamentals+ (IFT+) Certification Examination](https://www.cteresource.org/resources/credentials/it-fundamentals--ift--certification-examination/) | CompTIA | 8425 – Electronics Technology  8490 – Computer Systems Technology |
| [Machining-Level 1 Examinations](https://www.cteresource.org/resources/credentials/group/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](https://www.cteresource.org/resources/credentials/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](https://www.cteresource.org/resources/credentials/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](https://www.cteresource.org/resources/credentials/nccer-masonry-level-one-entry-level-assessment/) | National Center for Construction Education & Research (NCCER) | 8443 – Masonry |
| [Master Service Technician Examinations](https://www.cteresource.org/resources/credentials/master-service-technician-examinations/) (pass any one exam) | Briggs & Stratton Corporation | 8418 - Small Engine Repair |
| [Mechanical Apprentice Drafter Examination](https://www.cteresource.org/resources/credentials/mechanical-apprentice-drafter-examination/) | American Design Drafting Association (ADDA) | 8465 - Drafting |
| [Mechanical Certified Drafter Examination](https://www.cteresource.org/resources/credentials/mechanical-certified-drafter-examination/) | American Design Drafting Association (ADDA) | 8465 - Drafting |
| [Mobile Communications and Electronics Installer (MCEI) Examination](https://www.cteresource.org/resources/credentials/mobile-communications-and-electronics-installer-mcei-examination/) | Electronics Technicians Association (ETA) International | 8425 - Electronics Technology |
| [Nail Technician Examination](https://www.cteresource.org/resources/credentials/group/nail-technician-examination/) | Board of Barbers and Cosmetology (Virginia Department of Professional and Occupational Regulation) | 8475 - Cosmetology  8477 - Nail Technician |
| [Photovoltaic Installer–Level 1 (PVI1) Examination](https://www.cteresource.org/resources/credentials/photovoltaic-installerlevel-1-pvi1-examination/) | Electronics Technicians Association (ETA) International | 8420 – Electricity  8430 - Building Trades |
| [Plumbing Level One Entry-Level Assessment](https://www.cteresource.org/resources/credentials/nccer-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](https://www.cteresource.org/resources/credentials/principles-of-small-engine-technology-certification-examination/) | Equipment & Engine Training Council (EETC) | 8418 - Small Engine Repair |
| [SENSE Training Program Certification Examination (Level 1, Entry-Level Welder)](https://www.cteresource.org/resources/credentials/sense-training-program-certification-examination-level-1-entry-level-welder/) | American Welding Society (AWS) | 8580 - Welding |
| [Shielded Metal Arc Welding (SMAW) Examination](https://www.cteresource.org/resources/credentials/shielded-metal-arc-welding-smaw-examination/) (Also listed in Agricultural Education) | American Welding Society (AWS) | 8580 - Welding |
| [Smart Automation Associate Certifications](https://www.cteresource.org/resources/credentials/group/smart-automation-associate-certifications/) (pass any one) | Smart Automation Certification Alliance (SACA) | 8425 – Electronics Technology  8541 – Industrial Robotics |
| [Telecommunications (TCM) Electronics Technician Examination](https://www.cteresource.org/resources/credentials/telecommunications-tcm-electronics-technician-examination/) | Electronics Technicians Association (ETA) International | 8425 - Electronics Technology 8490 - Computer Systems Technology |
| [Virginia Master Barber Examination](https://www.cteresource.org/resources/credentials/virginia-master-barbers-examination/) | Board of Barbers and Cosmetology (Virginia Department of Professional and Occupational Regulation) | 8470 - Barbering  8475 - Cosmetology |
| [Virginia Cosmetology Examination](https://www.cteresource.org/resources/credentials/virginia-cosmetology-examination/) | Board of Barbers and Cosmetology (Virginia Department of Professional and Occupational Regulation) | 8475 - Cosmetology |
| [Welding Level One Entry-Level Assessment](https://www.cteresource.org/resources/credentials/nccer-welding-level-one-entry-level-assessment/) | National Center for Construction Education & 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](mailto:cte@doe.virginia.gov) | \*8411 - Aviation Maintenance Technology |