

Virginia Board of Education Agenda Item



Agenda Item: **J** Date: April 24, 2014

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| Title | First Review of Revisions to Industry, Professional, or Trade Association Certification Examinations and Occupational Competency Assessments to Meet the Requirements for the Board of Education’s Career and Technical Education and Advanced Mathematics and Technology Seals and the Student-Selected Verified Credit | | |
| Presenter | Ms. Lolita B. Hall, Director, Office of Career and Technical Education Services | | |
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Purpose of Presentation:

Action required by Board of Education regulation.

Previous Review or Action:

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

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

Action: Technical changes, additions, and/or deletions were approved to the list of board-approved examinations, assessments, and licensures.

Action Requested:

Final review: Action requested at this meeting.

April 24, 2014

Alignment with Board of Education Goals: Please indicate (X) all that apply:

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| X | Goal 1: Accountability for Student Learning |
| | Goal 2: Rigorous Standards to Promote College and Career Readiness |
| | Goal 3: Expanded Opportunities to Learn |
| | Goal 4: Nurturing Young Learners |
| | Goal 5: Highly Qualified and Effective Educators |
| | Goal 6: Sound Policies for Student Success |
| | Goal 7: Safe and Secure Schools |
| | Other Priority or Initiative. Specify: |

Background Information and Statutory Authority:

Goal 1: Secondary students who complete rigorous and relevant CTE programs gain the knowledge and skills needed to earn industry-recognized, in-demand credentials that lead to success in college and careers.

The *Regulations Establishing Standards for Accrediting Public Schools in Virginia*, requirements for graduation 8 VAC 20-131-50.K.3, provide students who demonstrate academic excellence and/or outstanding achievement the opportunity to earn the Board of Education’s Career and Technical Education Seal.

8 VAC 20-131-50.K.3 – “The Board of Education’s Career and Technical Education Seal will be awarded to students who earn a Standard Diploma or Advanced Studies Diploma and complete a prescribed sequence of courses in a career and technical education concentration or specialization that they choose and maintain a “B” or better average in those courses; or (i) pass an examination or occupational competency assessment in a career and technical education concentration or specialization that confers certification or an occupational competency credential from a recognized industry, trade or professional association or (ii) acquire a professional license in that career and technical education field from the Commonwealth of Virginia. The Board of Education shall approve all professional licenses and examinations used to satisfy these requirements.”

The *Regulations Establishing Standards for Accrediting Public Schools in Virginia*, requirements for graduation 8 VAC 20-131-50.K.4, provide students who demonstrate academic excellence and/or outstanding achievement the opportunity to earn the Board of Education’s Seal of Advanced Mathematics and Technology.

8 VAC 20-131-50.K.4 – “The Board of Education’s Seal of Advanced Mathematics and Technology will be awarded to students who earn either a Standard Diploma or Advanced Studies Diploma and (i) satisfy all of the mathematics requirements for the Advanced Studies Diploma (four units of credit including Algebra II; two verified units of credit) with a “B” average or better, and (ii) either (a) pass an examination in a career and technical education field that confers certification from a recognized industry, or trade or professional association, (b) acquire a professional license in a career and technical education field from the Commonwealth of Virginia, or (c) pass an examination approved by the board that confers college-level credit in a technology or computer science area. The Board of Education shall approve all professional licenses and examinations used to satisfy these requirements.”

The *Regulations Establishing Standards for Accrediting Public Schools in Virginia* make the following provisions relative to students earning verified units of credit:

8 VAC 20-131-110.C Standard and verified units of credit

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

1. The test must be standardized and graded independently of the school or school division in which the test is given;
2. The test must be knowledge-based;
3. The test must be administered on a multi-state or international basis, or administered as part of another state’s accountability assessment program; and
4. To be counted in a specific academic area, the test must measure content that incorporates or exceeds the SOL content in the course for which verified credit is given.”

8 VAC 20-131-50.B.2 (Footnotes 5 and 6 and C.2, Footnote 5) Requirements for graduation
Verified Credits Required

Student Selected Test 5

5“ A student may utilize additional tests for earning verified credit in computer science, technology, career and technical education, economics, or other areas as prescribed by the board in 8VAC 20-131-110.

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

Summary of Important Issues:

The attached list of **295** industry, professional, trade association certification examinations, or occupational competency assessments meets the Board’s requirements as noted in 8 VAC 20-131-50.I.3, 8 VAC 20-131-50.I.4, 8 VAC 20-131-110, and 8 VAC 20-131-50.B.4 (Footnotes 5 and 6 and C., Footnote 5) for the Career and Technical Education Seal, the Seal of Advanced Mathematics and Technology, and student-selected verified credit.

Included in the attached list are **18** additional industry certification examinations and occupational competency assessments (shown in bold print) that have been identified as meeting criteria to satisfy requirements for the Career and Technical Education Seal, the Seal of Advanced Mathematics and Technology, and student-selected verified credit.

Industry, professional, and trade association certifications are continually being revised or discontinued to stay current with technology and new techniques. These changes may be such that individual certifications are no longer available, no longer meet the Board of Education’s criteria for diploma seals or student-selected verified credit, or require additional criteria such as work experience beyond high school. Technical changes have been made to the credential name of three certifications that were previously approved by the Board. In addition, three certification examinations are recommended for deletion from the Board-approved list.

Impact on Fiscal and Human Resources:

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

Timetable for Further Review/Action:

Upon approval of these technical changes and additions to and deletions from the list of industry certifications, occupational competency assessments, and licenses, a Superintendent’s Memorandum will notify school divisions.

Superintendent's Recommendation:

The Superintendent of Public Instruction recommends that the Board of Education waive first review and approve the following technical changes and additions to and deletions from the list of industry certification examinations, occupational competency assessments, and licenses to meet the requirements for the Board of Education's Career and Technical Education and Advanced Mathematics and Technology Seals and the student-selected verified credit; and to authorize staff to make minor technical edits to the previously board-approved list.

TECHNICAL CHANGES

Business and Information Technology

1. ~~IC3 Certification~~ – Internet and Computing Core (IC³) Global Standard (GS) 4 Certification Examination (Certiport)

Trade and Industrial Education

2. ~~Diesel Engine Mechanics Assessment~~ – Diesel Technology Assessment (NOCTI)
3. ~~Electrical Construction Assessment~~ – Electrical Construction Technology Assessment (NOCTI)

ADDITIONS

Agricultural Education

1. Briggs & Stratton Master Service Technician Program Examination (Briggs & Stratton Corporation)
2. Equine Science Examination – New York State Department of Education (Cornell University)

Business and Information Technology

3. Security + Certification Examination (CompTIA)

Career and Technical Education Across-the-Board Credentials

4. College and Work Readiness Assessment (CWRA+) – (Council for Aid to Education)

Family and Consumer Sciences Education

5. Food Science Fundamentals Examination (American Association of Family and Consumer Sciences – AAFCS)
6. Housing and Furnishings Examination (American Association of Family and Consumer Sciences – AAFCS)
7. Retail Commercial Baking Assessment (National Occupational Competency Testing Institute-NOCTI)
8. Praxis, Part 1 Examination (Educational Testing Service)

Health and Medical Sciences Education

9. Certified Surgical Technologist Examination (CST) – (National Board of Surgical Technology and Surgical Assisting – NBSTSA)

Technology Education

10. Energy Industry Fundamentals Certificate Assessment (Center for Energy Workforce Development)
11. Mechanical Drafting and Design Assessment (National Occupational Competency Testing Institute – NOCTI)

Trade and Industrial Education

12. Emergency and Fire Management Services Assessment (National Occupational Competency Testing Institute – NOCTI)

13. Fundamentals of Construction Assessment (National Occupational Competency Testing Institute – NOCTI)
14. Global Logistics Associate Certification Examination (American Society of Transportation & Logistics)

Examination

15. College Level Examination Program (CLEP): Financial Accounting – (The College Board)
16. College Level Examination Program (CLEP): Introductory Business Law – (The College Board)
17. College Level Examination Program (CLEP): Principles of Management – (The College Board)
18. College Level Examination Program (CLEP): Principles of Marketing – (The College Board)

DELETIONS

Health and Medical Sciences Education

1. Certified Operating Room Surgical Technician (CORST) – (National Healthcareer Association)
2. Certified Medical Laboratory Assistant (CMLA) – (National Healthcareer Association)

Trade and Industrial Education

3. General Drafting and Design Assessment (National Occupational Competency Testing Institute – NOCTI)

Board of Education Approved Industry Certifications, Occupational Competency Assessments, and Licensure

4/24/2014

Name of Credential

Issuing Organization

Students who earn a credential by passing any one of the certification or licensure examinations contained in this document may substitute the certification competency credential or license for (i) the student selected verified credit and (ii) either a science or history and social science verified credit when the certification license or credential confers more than one verified credit. Students are eligible to earn diploma seals by passing one of the credentials or licensure examinations in this document as well as completing the requirements set forth in 8 VAC 20-131-50(Paragraph K).

AGRICULTURAL EDUCATION

| | |
|---|--|
| Agricultural Biotechnology Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Agriculture Mechanics Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Agricultural Mechanics and Technology | New York State Department of Education (Cornell University) |
| Agribusiness Examination | New York State Department of Education (Cornell University) |
| Animal Systems Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Beef Quality Assurance Certification | National Beef Quality Assurance/ Virginia Cooperative Extension |
| Briggs & Stratton Master Service Technician Program Examination (Pass any one exam in this program) | Briggs & Stratton Corporation |
| Commercial Pesticide Applicator Certification Examination | Virginia Department of Agriculture and Consumer Services |
| Equine Science Examination | New York State Department of Education (Cornell University) |
| Floriculture-Greenhouse Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Floriculture Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Forestry Products & Processing Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Greenhouse Operators Certification Program | Southeast Greenhouse Growers Association |
| Horticulture-Landscaping Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Natural Resource Systems Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Outdoor Power Equipment Certification (Pass any one Outdoor Power Equipment exam) | Equipment and Engine Training Council |
| Pork Quality Assurance Certification | National Pork Board/Virginia Cooperative Extension |
| Power Equipment Technology Examination | SkillsUSA |
| Pet Sitters Certification | National Association Professional Pet Sitters |
| Production Agriculture Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Private Applicator Certification | Virginia Department of Agriculture and Consumer Services |
| Registered Technician Certification | Virginia Department of Agriculture and Consumer Services |
| Small Engine Technology Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Small Animal Science and Technology Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Small Animal Care Examination | New York State Department of Education (Cornell University) |

BUSINESS AND INFORMATION TECHNOLOGY

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|-------------------------------------|--|
| Accounting-Basic Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Accounting - Complete Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Administrative Assisting Assessment | National Occupational Competency Testing Institute (NOCTI) |

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| Administrative Services Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Adobe Certified Associate (Pass any one test in this program) | Adobe Systems Incorporated |
| Apple Pro Certification Program (Pass any one exam in this program) | Apple, Inc. |
| Banking and Related Services Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Business Financial Management Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Business Information Processing Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Brainbench Network Administration Certifications (Pass any one test in this category) | Brainbench |
| Brainbench Systems Administration Certifications (Pass any one test in this category) | Brainbench |
| Brainbench Software Development Certifications (Pass any one test in this category) | Brainbench |
| Brainbench Technical Support Certifications (Pass any one test in this category) | Brainbench |
| Brainbench Web Design and Development Certifications (Pass any one test in this category) | Brainbench |
| Brainbench Web Administration Certifications (Pass any one test in this category) | Brainbench |
| Brainbench Desktop Publishing Certifications (Pass any one test in this category) | Brainbench |
| Certified Electronic Health Record Specialist (CEHRS) | National Healthcareer Association |
| Certified Medical Administrative Assistant (CMAA) | National Healthcareer Association |
| Certified Internet Web Professional (CIW) Program (Pass any one exam in this program) | ProsoftTraining |
| Certified Novell Administrator (CNA) | Novell |
| Computer Programming Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Computer Programming Examination | SkillsUSA |
| Financial and Investment Planning Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Fundamental Business Concepts | ASK Business Institute |
| General Management Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Human Resources Management Assessment | National Occupational Competency Testing Institute (NOCTI) |
| IC3 Certification Internet and Computing Core (IC³) Global Standard (GS) 4 Certification Examination (Certiport) | Certiport |
| Interactive Media Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Intuit QuickBooks Certification | Certiport |
| Linux+ Certification (Pass any one exam) | CompTIA |
| Microsoft Certified Professional (Pass any one Microsoft Professional exam) | Microsoft |

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| Microsoft Technology Associate (MTA) Program (Pass any one exam) | Microsoft |
| Microsoft Office Specialist (MOS)-(Pass any one MOS exam of any version) | Microsoft |
| Network+ Certification | CompTIA |
| Oracle Certification Program Examinations (Pass any one Oracle certification exam) | Oracle Corporation |
| Security+ Certification Examination | CompTIA |
| Virtual Enterprise Assessment | National Occupational Competency Testing Institute (NOCTI) and Certiport |
| WISE Financial Literacy Certification | Working in Support of Education (WISE) |
| Web Design Assessment | National Occupational Competency Testing Institute (NOCTI) |
| CAREER AND TECHNICAL EDUCATION GENERIC CREDENTIALS | |
| College and Work Readiness Assessment (CWRA+) | Council for Aid to Education |
| National Career Readiness Certificate | ACT, WorkKeys® |
| Workplace Readiness Skills for the Commonwealth Examination | Career and Technical Education Consortium of States (CTECS) |
| FAMILY AND CONSUMER SCIENCES EDUCATION | |
| ACF Culinary Arts Certification | American Culinary Federation, Inc. (Exam is administered by NOCTI) |
| ACF Retail Commercial Baking Assessment | American Culinary Federation, Inc. (Exam is administered by NOCTI) |
| Broad Field Family and Consumer Sciences Examination | American Association of Family and Consumer Sciences (AAFCS) |
| Commercial Foods Assessment | National Occupational Competency Testing Institute (NOCTI) and Certiport |
| Child Development Associate Certification (CDA) | CDA Council |
| Commercial Baking Examination | SkillsUSA |
| Culinary Arts Prep Cook-Level 1 Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Culinary Arts Cook-Level 2 Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Culinary Arts Examination | American Association of Family and Consumer Sciences (AAFCS) |
| Culinary Arts Examination | SkillsUSA |
| Early Childhood Education and Care Assessment--Advanced | National Occupational Competency Testing Institute (NOCTI) |
| Early Childhood Education and Care Assessment--Basic | National Occupational Competency Testing Institute (NOCTI) |
| Early Childhood Education Examination | American Association of Family and Consumer Sciences (AAFCS) |
| Education Fundamentals Examination | American Association of Family and Consumer Sciences (AAFCS) |
| Education and Training Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Family Services Examination | American Association of Family and Consumer Sciences (AAFCS) |
| Fashion, Textiles, and Apparel Examination | American Association of Family and Consumer Sciences (AAFCS) |

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| Food Science Fundamentals Examination | American Association of Family and Consumer Sciences (AAFCS) |
| Housing and Furnishings Examination | American Association of Family and Consumer Sciences (AAFCS) |
| Hospitality Management--Food and Beverage Option Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Hospitality Management--Lodging Option Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Interior Design Examination | American Association of Family and Consumer Sciences (AAFCS) |
| ManageFirst Credentialing Program (Pass any one approved examination) | Educational Foundation of the National Restaurant Association |
| Nutrition Examination | American Association of Family and Consumer Sciences (AAFCS) |
| Retail Commercial Baking Assessment | National Occupational Competency Testing Institute (NOCTI) |
| ParaPro | Educational Testing Service |
| Personal and Family Finance Certification | American Association of Family & Consumer Sciences (AAFCS) |
| Praxis, Part 1 Examination | Educational Testing Service |
| ProStart Program Certification (Levels I and/or 2) | Education Foundation of the National Restaurant Association |
| Restaurant, Food and Beverage Services Assessment | National Occupational Competency Testing Institute (NOCTI) |
| ServSafe Manager Certification | Educational Foundation of the National Restaurant Association |
| START Certification (Hospitality Skills) | American Hotel and Lodging Association (AH&LA) |

HEALTH AND MEDICAL SCIENCES EDUCATION

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| Certified Clinical Medical Assistant Examination | National Healthcareer Association |
| Certified Dental Assistant: Infection Control Examination (ICE) | Dental Assisting National Board, Inc. |
| Certified Dental Assistant: Radiation Health & Safety Examination (RHS) | Dental Assisting National Board, Inc. |
| Certified EKG Technician (CET) | National Healthcareer Association |
| Certified Phlebotomy Technician (CPT) | National Healthcareer Association |
| Certified Surgical Technologist (CST) | National Board of Surgical Technology and Surgical Assisting (NBSTSA) |
| Certified Veterinary Assistant | Animal Care Technologies |
| Dental Assisting Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Diagnostic Services Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Emergency Medical Responder | Department of Health, Office of Emergency Medical Services |
| Emergency Medical Technician | Department of Health, Office of Emergency Medical Services |
| Health Assisting Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Health Informatics Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Home Health Aide Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Medical Assisting Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Medical Assisting Examination | SkillsUSA |
| National Health Care Foundation Skills Standards Assessment | National Consortium on Health Science & Technical Education |

Board of Education Approved Industry Certifications, Occupational Competency Assessments, and Licensure

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| NRDA Certification (Dental Assisting) | National Allied Health Registry/National Association for Health Professionals |
| NRDA Certification (Medical Assisting) | National Allied Health Registry/National Association for Health Professionals |
| Nurse Aide | Virginia Board of Nursing |
| Nurse Assisting Examination | SkillsUSA |
| Nursing Assisting Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Practical Nursing Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Practical Nursing Examination | SkillsUSA |
| Therapeutic Services Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Virginia Pharmacy Technician Examination | Virginia Board of Pharmacy |

MARKETING

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| Concepts of Finance Examination | ASK Business Institute |
| Concepts of Entrepreneurship and Management | ASK Business Institute |
| Fundamental Marketing Concepts | ASK Business Institute |
| Hospitality and Tourism Management Program, (Levels 1 and/or 2) | American Hotel and Lodging Association (AH&LA) |
| Lodging Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Lodging Management Program Certification (Levels 1 and/or 2) | American Hotel and Lodging Association (AH&LA) |
| National Professional Certification in Customer Service | National Retail Federation Foundation |
| Retail Merchandising Assessment | National Occupational Competency Testing Institute (NOCTI) |
| National Professional Certification in Retail Management Examination | National Retail Federation Foundation |
| Recreation, Amusements, and Attractions Assessment | National Occupational Competency Testing Institute (NOCTI) |
| National Professional Certification in Sales | National Retail Federation Foundation |
| Travel and Tourism Assessment | National Occupational Competency Testing Institute (NOCTI) |

MILITARY SCIENCE

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| Armed Services Vocational Aptitude Battery Examination | United States Military Entrance Processing Command |
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TECHNOLOGY EDUCATION

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| 3D Visualization & Animation Examination | SkillsUSA |
| ADDA Architectural Drafting Examination | American Design Drafting Association |
| ADDA Mechanical Drafting Examination | American Design Drafting Association |
| ADDA Mechanical Drafting Apprentice Examination | American Design Drafting Association |

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| ADDA Architectural Drafting Apprentice Examination | American Design Drafting Association |
| AutoCAD Certifications (Pass any one exam) | Brainbench |
| Autodesk Application Certification Program (Pass any one exam) | Autodesk |
| Autodesk Certification Program (Pass any one exam at fundamentals level) | Autodesk |
| Automated Manufacturing Technology Examination | SkillsUSA |
| Architectural Drafting Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Architectural Drafting Examination | SkillsUSA |
| Certified SolidWorks Associate Examination | SolidWorks Corporation |
| Electronic Technology Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Electronics Application & Technology Examination | SkillsUSA |
| Energy Industry Fundamentals Certificate Assessment | Center for Energy Workforce Development |
| Engineering Technology Examination | SkillsUSA |
| Manufacturing Technology Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Manufacturing Technology Certification (Pass any one exam) | Manufacturing Skills Institute |
| Mechanical Drafting and Design Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Pre-Engineering Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Project Lead the Way End-of-Course Tests (Pass any one end-of-course exam) | Project Lead The Way |
| Robotics Examination | SkillsUSA |
| STARS Certification Examination | Digital Quest, Inc. |
| Technical Drafting Examination | SkillsUSA |
| | |

TRADE AND INDUSTRIAL EDUCATION

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| A+ Certification (Pass any one exam from 2009 certification program) | CompTIA |
| Advertising and Design Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Audio-Radio Production Examination | SkillsUSA |
| Audio-Visual Communications Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Automotive Technician Core Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Automotive Technician Standard Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Automotive Technician Advanced Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Automotive Technician Examination (ASE)-(Pass any one exam from Automobile Technician Test Series) | National Institute for Automotive Service Excellence |
| Avid Media Composer Certification Program (Pass any one examination) | Avid |
| Aviation Maintenance (Secondary) Examination | SkillsUSA |
| Basic Installer Exam, Mobile Electronics Certified Professional | Consumer Electronics Association |

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| | |
|--|---|
| BICSI Registered Installer Certification, Level 1 | BICSI (International Telecommunications Association) |
| Broadcasting and Journalism Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Building Construction Occupations Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Building Trades Maintenance Assessment | National Occupational Competency Testing Institute (NOCTI) |
| CAD Assessment | National Occupational Competency Testing Institute (NOCTI) |
| CAD/CAM Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Cabinetmaking Examination | SkillsUSA |
| Cabinetmaking Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Carpentry Examination | SkillsUSA |
| Carpentry Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Carpentry Level One, National Construction Career Test | National Center for Construction Education & Research (NCCER) |
| Certified Computer Service Technician | Electronics Technicians Association, International (ETA) |
| Certified Electronics Technician Associate (CET) | Electronics Technicians Association, International (ETA) |
| Certified Satellite Dish Installer | Electronics Technicians Association, International (ETA) |
| CISCO CCNA Academy End-of-Course Examinations (Pass any two end-of-course exams, Levels 1-4) | CISCO Systems |
| CISCO Certified Networking Associate (Pass any one exam in CCNA certification program) | CISCO Systems |
| Collision Repair Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Collision Repair and Refinishing Technician (ASE)-(Pass any one exam from Collision Repair & Refinish Test Series) | National Institute for Automotive Service Excellence |
| Collision Repair/Refinishing Technology Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Computer Maintenance Technology Examination | SkillsUSA |
| Computer Networking Fundamentals Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Computer Repair Technology Assessment | National Occupational Competency Testing Institute (NOCTI) |
| CNC Milling and Turning Technology Examination | SkillsUSA |
| Construction Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Construction Masonry-Blocklaying Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Construction Masonry-Bricklaying Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Construction Technology: National Construction Career Test | National Center for Constructional Education & Research (NCCER) |
| Computer Technology Assessment | National Occupational Competency Testing Institute (NOCTI) |
| CompTIA Strata Fundamentals of IT Technology Certification | Certiport |
| Copper Based Cabling Certification | RBT Systems, Inc. |
| Core: Introductory Craft Skills, National Construction Career Test | National Center For Construction Education & Research (NCCER) |
| Cosmetology Assessment | National Occupational Competency Testing Institute (NOCTI) |

Board of Education Approved Industry Certifications, Occupational Competency Assessments, and Licensure

4/24/2014

Name of Credential

Issuing Organization

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|---|---|
| Cosmetology Examination | SkillsUSA |
| Criminal Justice Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Criminal Justice Examination/CSI | SkillsUSA |
| Customer Service Examination | SkillsUSA |
| Data Cabling Installer Certification (DCIC) | Electronics Technicians Association, International (ETA) |
| Design and Preconstruction Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Diesel Engine Mechanics Assessment Diesel Technology Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Drafter Certification | American Design Drafting Association |
| Electrical Construction Assessment Electrical Construction Technology Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Electrical Construction Wiring (Residential Wiring) | SkillsUSA |
| Electrical Occupations Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Electrical, National Construction Career Test | National Center For Construction Education & Research (NCCER) |
| Electronics Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Electronics Module: DC (EM1) | Electronics Technicians Association, International (ETA) |
| Electronics Module: AC (EM2) | Electronics Technicians Association, International (ETA) |
| Electronics Module: Analog (EM3) | Electronics Technicians Association, International (ETA) |
| Electronics Module: DC (EM4) | Electronics Technicians Association, International (ETA) |
| Electronics Module: Comprehensive (EMS) | Electronics Technicians Association, International (ETA) |
| Emergency and Fire Management Services Assessment | National Occupational Competency Testing Institute (NOCTI) |
| EPA Technician Certification (Levels I, II, or III) | Environmental Protection Agency (Authorized Entity) |
| Fiber Optic Network Cabling Certification | RBT Systems, Inc. |
| Fiber Optics Installer Certification | Electronics Technicians Association, International (ETA) |
| Firefighter I Certification | Virginia Department of Fire Programs |
| Firefighter II Certification | Virginia Department of Fire Programs |
| Fundamentals of Construction Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Global Logistics Associate Certification | American Society of Transportation & Logistics |
| Graphic Communication Technology Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Heating, Electrical, Air Conditioning Technology (HEAT) Examination (Pass any one exam in this program) | HVAC Excellence |
| Heating, Ventilation, Air Conditioning (HVAC) Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Heating, Ventilation, Air Conditioning & Refrigeration (HVAC/R) Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Heavy Equipment Operations Level One | National Center For Construction Education & Research (NCCER) |
| HVAC, National Construction Career Test | National Center For Construction Education & Research (NCCER) |
| Industrial Maintenance Mechanic Assessment | National Occupational Competency Testing Institute (NOCTI) |

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| Industrial Electronics Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Installer (or Service) Core Certification (HVAC) | North American Technician Excellence, Inc. (NATE) |
| Internetworking Examination | SkillsUSA |
| IT Essentials 1 Examination (PC Hardware and Software) | Cisco Systems |
| MSSC Certified Production Technician (CPT) Program (Pass any one CPT examination) | Manufacturing Skill Standards Council (MSSC) |
| Machining Skills--Level I (Pass any one Machining (Level 1) examination with performance component) | National Institute for Metalworking Skills (NIMS) |
| Major Appliance Repair Examination | SkillsUSA |
| Marine Service Technology Examination | SkillsUSA |
| Masonry Examination | SkillsUSA |
| Maintenance Operations Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Masonry Level One, National Construction Career Test | National Center For Construction Education & Research (NCCER) |
| Mechatronics-Level 1 Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Motorcycle Service Technology Examination | SkillsUSA |
| National Automotive Student Skills Standards Assessments (Pass any one exam from automotive service, automotive refinishing, collision repair, or diesel engine areas) | ASE-AYES-SkillsUSA Co-brand, SkillsUSA |
| Nail Care Examination | SkillsUSA |
| Network Cabling Specialist Certification (Pass copper and fiber examinations) | C-Tech Associates, Inc. |
| Performing Arts Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Photography Examination | SkillsUSA |
| Plumbing Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Plumbing Examination | SkillsUSA |
| Plumbing-Heating-Cooling Contractors Educational Foundation Examinations (Pass any one examination) | Plumbing-Heating-Cooling Contractors (PHCC) Educational Foundation (Examinations administered by NOCTI) |
| Precision Machining Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Protective Services Assessment | National Occupational Competency Testing Institute (NOCTI) |
| PrintED Certification Program (Pass any one examination) | Graphic Arts Education and Research Foundation (Examinations are administered by SkillsUSA) |
| Residential Construction Academy Examination (Pass any one test from available examinations) | Home Builders Institute (Examinations are administered by National Occupational Competency Testing Institute) |
| SENSE Training Program Certification (Level 1, Entry-Level Welder) | American Welding Society (AWS) |
| Student Electronics Technician Certification (SET) | Electronics Technicians Association, International (ETA) |
| Telecommunications Electronics Technician Certification | Electronics Technicians Association, International (ETA) |
| Television Broadcasting Assessment | National Occupational Competency Testing Institute (NOCTI) |

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| Television Video Production Examination | SkillsUSA |
| Technical Drafting Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Visual Arts Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Visual Communications Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Welding Examination | SkillsUSA |
| Welding Assessment | National Occupational Competency Testing Institute (NOCTI) |
| Welding, National Construction Career Test (or pass journey-level exam) | National Center For Construction Education & Research (NCCER) |

LICENSE

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|--------------------------------------|--|
| Barbers | Board of Barbers and Cosmetology (Virginia Department of Professional and Occupational Regulation) |
| Cosmetology | Board of Barbers and Cosmetology (Virginia Department of Professional and Occupational Regulation) |
| Licensed Practical Nurse | Virginia Board of Nursing |
| Nail Technician | Board of Barbers and Cosmetology (Virginia Department of Professional and Occupational Regulation) |
| FAA Private Pilot Written Test (PAR) | Federal Aviation Administration |
| Real Estate Salesperson | Virginia Real Estate Board (Dept. of Professional & Occupational Regulation) |

EXAMINATION

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| Advanced Placement Computer Science A | The College Board |
| College Level Examination Program (CLEP): Financial Accounting | The College Board |
| College Level Examination Program (CLEP): Information Systems and Computer | The College Board |
| College Level Examination Program (CLEP): Introductory Business Law | The College Board |
| College Level Examination Program (CLEP): Principles of Management | The College Board |
| College Level Examination Program (CLEP): Principles of Marketing | The College Board |
| International Baccalaureate Computer Science (Standard Level) | The International Baccalaureate Organization |
| International Baccalaureate Computer Science (Higher Level) | The International Baccalaureate Organization |
| International Baccalaureate for Business and Management (Standard Level) | The International Baccalaureate Organization |
| International Baccalaureate Information Technology in a Global Society (IB6613) (Standard Level) | The International Baccalaureate Organization |

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DELETIONS

Certified Operating Room Surgical Technician (CORST)

National Healthcareer Association

Certified Medical Laboratory Assistant (CMLA)

National Healthcareer Association

General Drafting and Design Assessment

National Occupational Competency Testing Institute (NOCTI)