

Virginia Board of Education Agenda Item



Agenda Item: C

Date: June 27, 2013

Title	Final 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; and May 24, 2012.

Action: Additions and/or deletions were made to the list of board-approved examinations, assessments, and licensures.

Action Requested:

Final Review: Action requested at this meeting

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

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 V AC 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, Standard Technical Diploma, Advanced Studies Diploma or Advanced Technical 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 V AC 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, Standard Technical Diploma, Advanced Studies Diploma or Advanced Technical Diploma and (i) satisfy all of the mathematics requirements for the Advanced Studies Diploma or Advanced Technical 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 276 industry, professional, trade association certification examinations, and 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 eight 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. Changes have been made to the titles of three certifications previously approved (shown as strikethrough and underline); and one certification is recommended for deletion (see attached 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:

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

Superintendent's Recommendation:

The Superintendent of Public Instruction recommends that the Board of Education approve the revised 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.

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

5/23/2013

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
Commercial Pesticide Applicator Certification	Virginia Department of Agriculture and Consumer Services
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 Certifications (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

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)
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

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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	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
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
Virtual Enterprise Assessment	National Occupational Competency Testing Institute (NOCTI) and Certiport
W!SE Financial Literacy Certification	Working in Support of Education (W!SE)
Web Design Assessment	National Occupational Competency Testing Institute (NOCTI)
CAREER AND TECHNICAL EDUCATION GENERIC CREDENTIALS	
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	
American Culinary Federation (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)

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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)
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)
ParaPro	Educational Testing Service
Personal and Family Finance Certification	American Association of Family & Consumer Sciences (AAFCS)
ProStart Program Certification (Levels I and/or 2)	Educational Foundation of the National Restaurant Association
Restaurant, Food and Beverage Services Assessment	National Occupational Competency Testing Institute (NOCTI)
ServSafe <u>Manager</u> Certification	Educational Foundation of the National Restaurant Association
START Certification (Hospitality Skills)	American Hotel and Lodging Association (AH&LA)

HEALTH AND MEDICAL SCIENCES EDUCATION

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 Medical Laboratory Assistant (CMLA)	National Healthcareer Association
Certified Operating Room Surgical Technician (CORST)	National Healthcareer Association
Certified Phlebotomy Technician (CPT)	National Healthcareer Association
Certified Veterinary Assistant	Animal Care Technologies
Dental Assisting Assessment	National Occupational Competency Testing Institute (NOCTI)
Diagnostic Services Assessment	National Occupational Competency Testing Institute (NOCTI)
EMS First Responder <u>Emergency Medical Responder</u>	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)

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Medical Assisting Examination	SkillsUSA
National Health Care Foundation Skills Standards Assessment	National Consortium on Health Science & Technical Education
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

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

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

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
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

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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
Engineering Technology Examination	SkillsUSA
Manufacturing Technology Assessment	National Occupational Competency Testing Institute (NOCTI)
Manufacturing Technician Certification (Pass any one exam)	Manufacturing Skills Institute (MSI)
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

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
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

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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)
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	National Occupational Competency Testing Institute (NOCTI)
Drafter Certification	American Design Drafting Association
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)
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
General Drafting and Design Assessment	National Occupational Competency Testing Institute (NOCTI)
Graphic Communication Technology Assessment	National Occupational Competency Testing Institute (NOCTI)

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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)
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)

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

5/23/2013

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).

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

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

Advanced Placement Computer Science A	The College Board
College Level Examination Program (CLEP): Information Systems and Computer Applications	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

DELETIONS

Access Certification	American Culinary Federation, Inc. (ACF)
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