

<b>Board of Education Approved Industry Certifications, Occupational Competency Assessments, and Licensure</b>				
<b>January 14, 2010 (Approved)</b>				
<b>Name of Credential</b>	<b>Issuing Organization</b>	<b>Meets Board of Education Criteria</b>		
		<b>Student Selected Verified Credit</b>	<b>Career and Technical Education Seal</b>	<b>Advanced Mathematics and Technology Seal</b>
<b>AGRICULTURAL EDUCATION</b>				
Agriculture Mechanics Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Agribusiness Examination	New York State Department of Education	X	X	
Commercial Pesticide Applicator Certification	Virginia Department of Agriculture and Consumer Services	X	X	
Floriculture-Greenhouse Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Floriculture Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Forestry Products & Processing Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Greenhouse Operators Certification Program	Southeast Greenhouse Growers Association	X	X	
Horticulture-Landscaping Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Horticulture-Olericulture and Pomology Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Outdoor Power Equipment Certifications (Pass any one Outdoor Power Equipment exam)	Equipment and Engine Training Council	X	X	
Pet Sitters Certification	National Association Professional Pet Sitters	X	X	
Production Agriculture Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Private Applicator Certification	Virginia Department of Agriculture and Consumer Services	X	X	

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Registered Technician Certification	Virginia Department of Agriculture and Consumer Services	X	X	
Small Engine Technology Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Small Animal Science Examination	National Occupational Competency Testing Institute (NOCTI)	X	X	
Small Animal Care Examination	New York State Department of Education	X	X	
<b>BUSINESS AND INFORMATION TECHNOLOGY</b>				
Accounting-Basic Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Accounting - Complete Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Administrative Assisting Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Administrative Services Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Adobe Certified Associate (Pass any one test in this program)	Adobe Systems Incorporated	X	X	X
Apple Pro Certification Program (Pass any one exam in this program)	Apple, Inc.	X	X	X
Banking and Related Services Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Business and Information Technology Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	X

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Brainbench Network Administration Certifications (Pass any one test in this category)	Brainbench	X	X	X
Brainbench Systems Administration Certifications (Pass any one test in this category)	Brainbench	X	X	X
(Pass any one test in this category)				
Brainbench Software Development Certifications (Pass any one test in this category)	Brainbench	X	X	X
Brainbench Web Design and Development Certifications (Pass any one test in this category)	Brainbench	X	X	X
Brainbench Web Administration Certifications (Pass any one test in this category)	Brainbench	X	X	X
Brainbench Desktop Publishing Certifications (Pass any one test in this category)	Brainbench	X	X	X
Certified Internet Web Professional (CIW) Program (Pass any one exam in this program)	ProsoftTraining	X	X	X
Certified Novell Administrator (CNA)	Novell	X	X	X
Computer Programming Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	X

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Digital Literacy Certification Test (must be taken in combination with the Virginia Workplace Readiness Assessment)	Microsoft	X	X	
Financial and Investment Planning Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Financial Literacy Certification (WISE)	Working in Support of Education (WISE)	X	X	
Fundamentals of Wireless LANs Examination	Cisco Systems	X	X	X
Fundamental Business Concepts	ASK Institute (DECA/MarkED)	X	X	
General Management Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Human Resources Management Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
IC3 Certification	Certiport	X	X	X
Java Programming Examination	Cisco Systems	X	X	X
Linux+ Certification	CompTIA	X	X	X
Microsoft Certified Professional (Pass any one Microsoft Professional exam)	Microsoft	X	X	X
Microsoft Office Specialist (MOS)-(Pass any one MOS exam)	Microsoft	X	X	
Microsoft Certified Application Specialist (MCAS)-(Pass any one MCAS exam)	Microsoft	X	X	
Network+ Certification	CompTIA	X	X	X

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Oracle Certification Program Examinations (Pass any one Oracle certification exam)	Oracle Corporation	X	X	X
Fundamentals of Unix Examination	Cisco Systems	X	X	X
Virginia Workplace Readiness Assessment/IC3 Certification Exams (pass Virginia Workplace Readiness Assessment and any one of three IC3 exams)	National Occupational Competency Testing Institute (NOCTI) and Certiport	X	X	
<b>FAMILY AND CONSUMER SCIENCES EDUCATION</b>				
Broad Field Family and Consumer Sciences Examination	American Association of Family and Consumer Sciences (AAFCS)	X	X	
Commercial Foods Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Culinary Arts Prep Cook-Level 1 Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Culinary Arts Cook-Level 2 Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Culinary Arts Examination	American Association of Family and Consumer Sciences (AAFCS)	X	X	
Early Childhood Care and Education Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Early Childhood Education Examination	American Association of Family and Consumer Sciences (AAFCS)	X	X	
Education Careers Examination	American Association of Family and Consumer Sciences (AAFCS)	X	X	

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Education and Training Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Family Services Examination	American Association of Family and Consumer Sciences (AAFCS)	X	X	
Fashion, Textiles, and Apparel Examination	American Association of Family and Consumer Sciences (AAFCS)	X	X	
Hospitality Management--Food and Beverage Option Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Hospitality Management--Lodging Option Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Interior Design Examination	American Association of Family and Consumer Sciences (AAFCS)	X	X	
Nutrition Examination	American Association of Family and Consumer Sciences (AAFCS)	X	X	
ParaPro	Educational Testing Service	X	X	
Personal and Family Finance Certification	American Association of Family & Consumer Sciences (AAFCS)	X	X	
ProStart Program Certification (Levels 1 and/or 2)	Education Foundation of the National Restaurant Association	X	X	
Retail Commercial Baking Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
ServeSafe Certification	Education Foundation of the National Restaurant Association	X	X	
START Certification (Hospitality Skills)	American Hotel and Lodging Association (AH&LA)	X	X	

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<b>HEALTH AND MEDICAL SCIENCES EDUCATION</b>				
Certified Dental Assistant: Infection Control Examination (ICE)	Dental Assisting National Board, Inc.	X	X	
Certified Dental Assistant: Radiation Health & Safety Examination (RHS)	Dental Assisting National Board, Inc.	X	X	
<b>Certified Veterinary Assistant</b>	<b>Animal Care Technologies</b>	<b>X</b>	<b>X</b>	
Dental Assisting Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
EMS First Responder Certification	Department of Health, Office of Emergency Medical Services	X	X	
Emergency Medical Technician	Department of Health, Office of Emergency Medical Services	X	X	
Health Assisting Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Home Health Aide Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Medical Assisting Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
National Health Care Foundation Skills Standards Assessment	National Consortium on Health Science & Technical Education	X	X	
NRDA Certification (Dental Assisting)	National Allied Health Registry/National Association for Health Professionals	X	X	
NRDA Certification (Medical Assisting)	National Allied Health Registry/National Association for Health Professionals	X	X	
Nurse Aide	Virginia Board of Nursing	X	X	
Nursing Assisting Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	

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Practical Nursing Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Virginia Pharmacy Technician Examination	Virginia Board of Pharmacy	X	X	
<b>MARKETING</b>				
Concepts of Finance Examination	ASK Institute (DECA/MarkED)	X	X	
Concepts of Entrepreneurship and Management Examination	ASK Institute (DECA/MarkED)	X	X	
Fundamental Marketing Concepts	ASK Institute (DECA/MarkED)	X	X	
Lodging Management Program Certification (Levels 1 and/or 2)	American Hotel and Lodging Association (AH&LA)	X	X	
National Professional Certification in Customer Service	National Retail Federation Foundation	X	X	
Retail Trades Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Sales Certification	National Retail Federation Foundation	X	X	
<b>MILITARY SCIENCE</b>				
Armed Services Vocational Aptitude Battery Examination	United States Military Entrance Processing Command	X	X	

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<b>TECHNOLOGY EDUCATION</b>				
ADDA Architectural Drafting Examination	American Design Drafting Association	X	X	
ADDA Mechanical Drafting Examination	American Design Drafting Association	X	X	
AutoCAD Certifications (Pass any one exam)	Brainbench	X	X	
Autodesk Application Certification Program (Pass any one exam)	Autodesk	X	X	
Automated Manufacturing Technology Examination	SkillsUSA	X	X	
Architectural Drafting Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Certified SolidWorks Professional	SolidWorks Corporation	X	X	
Electronic Technology Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Manufacturing Technology Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Pre-Engineering Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Pre-Skills Assessment for Mastercam Assessment	Mastercam--Administered by National Occupational Competency Testing Institute (NOCTI)	X	X	
STARS Certification Examination	Digital Quest, Inc.	X	X	

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<b>TRADE AND INDUSTRIAL EDUCATION</b>				
A+ Certification (Pass any one exam from 2006 certification program)	CompTIA	X	X	X
A+ Certification (Pass any one exam from 2009 certification program)	CompTIA	X	X	X
Access Certification	American Culinary Federation, Inc. (ACF)	X	X	
Advertising Design Examination	SkillsUSA	X	X	
Advertising and Design Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Audio-Visual Communications Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Automotive Technician Core Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Automotive Technician Standard Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Automotive Technician Advanced Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Automotive Technician Examination (ASE)-(Pass any one exam from Automobile Technician Test Series)	National Institute for Automotive Service Excellence	X	X	
Architectural Drafting Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
ASE/AYES/SkillsUSA Automotive Technician End-of-Program Examinations (Pass any one exam from automobile, truck, or collision repair areas)	ASE/AYES/SkillsUSA Partnership Automotive Technician Testing Program	X	X	

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Basic Principles of Construction: Residential Construction Academy Examination	Delmar Thomson Learning/Home Builders Institute	X	X	
Basic Installer Exam, Mobile Electronics Certified Professional	Consumer Electronics Association	X	X	
BICSI Registered Installer Certification, Level 1	BICSI (International Telecommunications Association)	X	X	
Broadcasting and Journalism Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Building Construction Occupations Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Building Trades Maintenance Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
CAD Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
CAD/CAM Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Cabinetmaking Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Carpentry Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Carpentry: Residential Construction Academy Examination	Delmar Thomson Learning/Home Builders Institute	X	X	
Carpentry Level One, National Construction Career Test	National Center for Construction Education & Research (NCCER)	X	X	
Certified Computer Service Technician	Electronics Technicians Association, International (ETA)	X	X	X

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Certified Electronics Technician Associate (CET)	Electronics Technicians Association, International (ETA)	X	X	
Certified Satellite Dish Installer	Electronics Technicians Association, International (ETA)	X	X	
CISCO CCNA Academy End-of-Course Examinations (Pass any two end-of-course exams, Levels 1-4)	CISCO Systems	X	X	X
CISCO Certified Networking Associate (Pass any one exam in CCNA certification program)	CISCO Systems	X	X	X
Collision Repair Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Collision Repair and Refinishing Technician (ASE)-(Pass any one exam from Collision Repair & Refinish Test Series)	National Institute for Automotive Service Excellence	X	X	
Collision Repair/Refinishing Technology Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Computer Networking Fundamentals Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	X
Computer Repair Technology Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	X
Construction Masonry-Blocklaying Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Construction Masonry-Bricklaying Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Construction Technology Test	National Center for Constructional Education & Research (NCCER)	X	X	

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Computer Technology Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	X
Copper Based Cabling Certification	RBT Systems, Inc.	X	X	
Core: Introductory Craft Skills, National Construction Career Test	National Center For Construction Education & Research (NCCER)	X	X	
Cosmetology Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Criminal Justice Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Data Cabling Installer Certification (DCIC)	Electronics Technicians Association, International (ETA)	X	X	
Diesel Engine Mechanics Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Drafter Certification	American Design Drafting Association	X	X	
Electrical Construction Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Electrical Occupations Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Electrical Principles: Residential Construction Academy Examination	Delmar Thomson Learning/Home Builders Institute	X	X	
Electrical, National Construction Career Test	National Center For Construction Education & Research (NCCER)	X	X	
Electronics Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Electronics Module: DC (EM1)	Electronics Technicians Association, International (ETA)	X	X	
Electronics Module: AC (EM2)	Electronics Technicians Association, International (ETA)	X	X	

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Electronics Module: Analog (EM3)	Electronics Technicians Association, International (ETA)	X	X	
Electronics Module: DC (EM4)	Electronics Technicians Association, International (ETA)	X	X	
Electronics Module: Comprehensive (EMS)	Electronics Technicians Association, International (ETA)	X	X	
EPA Technician Certification (Levels I, II, or III)	Environmental Protection Agency (Authorized Entity)	X	X	
Fiber Optic Network Cabling Certification	RBT Systems, Inc.	X	X	
Fiber Optics Installer Certification	Electronics Technicians Association, International (ETA)	X	X	
Firefighter I Certification	Virginia Department of Fire Programs	X	X	
Firefighter II Certification	Virginia Department of Fire Programs	X	X	
General Drafting and Design Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Graphic Communications Examination	PrintED/SkillsUSA Skill Connect Assessments	X	X	
Graphic Communication Technology Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Graymark Cabling Installation Certification	Graymark International	X	X	
Heating, Electrical, Air Conditioning Technology (HEAT) Examination (Pass any one exam)	HVAC Excellence	X	X	
Heating, Ventilation, Air Conditioning (HVAC) Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	

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Heating, Ventilation, Air Conditioning & Refrigeration (HVAC/R) Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Heavy Equipment Operations Level One	National Center For Construction Education & Research (NCCER)	X	X	
House Wiring: Residential Construction Academy Examination	Delmar Thomson Learning/Home Builders Institute	X	X	
HVAC: Residential Construction Academy Examination	Delmar Thomson Learning/Home Builders Institute	X	X	
HVAC, National Construction Career Test	National Center For Construction Education & Research (NCCER)	X	X	
HVAC Excellence Certification Program (Pass any one exam in this program)	HVAC Excellence	X	X	
Industrial Maintenance Mechanic Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Installer (or Service) Core Certification (HVAC)	North American Technician Excellence, Inc. (NATE)	X	X	
IT Essentials 1 Examination (PC Hardware and Software)	Cisco Systems	X	X	X
IT Essentials 2 Examination (Network Operating Systems)	Cisco Systems	X	X	X
MSSC Certified Production Technician (CPT) Program (Pass any one CPT examination)	Manufacturing Skill Standards Council (MSSC)	X	X	
Machining Skills--Level I (Pass any one Machining (Level 1) examination with performance component)	National Institute for Metalworking Skills (NIMS)	X	X	
Masonry Level One, National Construction Career Test	National Center For Construction Education & Research (NCCER)	X	X	

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Performing Arts Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Photography Examination	SkillsUSA	X	X	
Plumbing Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Plumbing: Residential Construction Academy Examination	Delmar Thomson Learning/Home Builders Institute	X	X	
Precision Machining Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Protective Services Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
PrintED Certification Program (Pass any one exam)	Graphic Arts Education and Research Foundation	X	X	
Residential Air-Conditioning and Heating Certification	Air Conditioning and Refrigeration Institute	X	X	
SENSE Training Program Certification (Level 1, Entry-Level Welder)	American Welding Society (AWS)	X	X	
Screen Printing Examination	PrintED/SkillsUSA Skill Connect Assessments	X	X	
SkillsUSA Workforce Ready System (pass any one test from available examinations)	SkillsUSA	X	X	
Student Electronics Technician Certification (SET)	Electronics Technicians Association, International (ETA)	X	X	
Telecommunications Electronics Technician Certification	Electronics Technicians Association, International (ETA)	X	X	
Television Broadcasting Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	

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Technical Drafting Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Visual Arts Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Visual Communications Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Welding Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Welding, National Construction Career Test	National Center For Construction Education & Research (NCCER)	X	X	
<b>LICENSE</b>				
Barbers	Board of Barbers and Cosmetology (Virginia Department of Professional and Occupational Regulation)	X	X	
Cosmetology	Board of Barbers and Cosmetology (Virginia Department of Professional and Occupational Regulation)	X	X	
Licensed Practical Nurse	Virginia Board of Nursing	X	X	
Nail Technician	Board of Barbers and Cosmetology (Virginia Department of Professional and Occupational Regulation)	X	X	
Pilot's License-Airplane Single Engine Land	Federal Aviation Administration	X	X	
Real Estate Salesperson	Virginia Real Estate Board (Dept. of Professional & Occupational Regulation)	X	X	

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<b>EXAMINATION</b>				
Advanced Placement Computer Science A	The College Board	Passing Score = 3		Passing Score = 3
Advanced Placement Computer Science AB	The College Board	Passing Score = 3		Passing Score = 3
College Level Examination Program (CLEP): Information Systems and Computer Applications	The College Board	Passing Score = 52		Passing Score = 52
International Baccalaureate Computer Science (Standard Level)	The International Baccalaureate Organization	Passing Score = 3		Passing Score = 3
International Baccalaureate Computer Science (Higher Level)	The International Baccalaureate Organization	Passing Score = 3		Passing Score = 3
International Baccalaureate Information Technology in a Global Society (IB6613) (Standard Level)	The International Baccalaureate Organization	Passing Score = 3		Passing Score = 3
<b>NOTE: New industry certification credentials and occupational competency assessments are printed in bold.</b>				

**Deletions to Board of Education's Approved Industry Certifications and Licenses  
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<b>Certifications</b>	<b>Issuing Organization</b>	<b>Deletions</b>
Automotive Youth Educational Systems (AYES) Exit Examinations (Pass any two AYES exit exams)	Automotive Youth Educational Systems	Requirements of credential have changed.
National Automotive Technicians Education Foundation (NATEF) End of Program Test Series Examinations (Pass any two NATEF, End of Program Test Series, exams)	National Automotive Technicians Education Foundation	Requirements of credential have changed.