

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

November 29, 2006 (Approved)

| Name of Credential | Issuing Organization | Meets Board of Education Criteria | | |
|---|---|-----------------------------------|-------------------------------------|--|
| | | Student Selected Verified Credit | Career and Technical Education Seal | Advanced Mathematics and Technology Seal |
| Agricultural Education | | | | |
| Agriculture Mechanics Assessment | National Occupational Competency Testing Institute (NOCTI) | 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 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 | |
| Production Agriculture Assessment | National Occupational Competency Testing Institute (NOCTI) | X | X | |
| Small Engine Technology Assessment | National Occupational Competency Testing Institute (NOCTI) | X | X | |
| Business and Information Technology | | | | |
| 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 | |
| Adobe Certified Expert (ACE) | Adobe Systems Incorporated | X | X | X |
| 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 |
| 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 |

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| Business and Information Technology | | | | |
| 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 |
| Certification for Legal Professionals (ALS) | Associate for Legal Professional (NALS) | X | X | |
| Certified Internet Webmaster Associate | ProsoftTraining | X | X | X |
| Certified Internet Webmaster Associate: Internet Business Foundations Examination | ProsoftTraining | X | X | X |
| Certified Internet Webmaster Associate: Site Development Foundations Examination | ProsoftTraining | X | X | X |
| Certified Internet Webmaster Associate: Network Technology Foundations Examination | ProsoftTraining | X | X | X |
| Certified Internet Webmaster Professional | ProsoftTraining | X | X | X |
| Certified Novell Administrator (CNA) | Novell | X | X | X |
| Customer Support Specialist Certification | Help Desk Institute | X | X | X |
| Fundamentals of Wireless LANs Examination | Cisco Systems | X | X | X |
| International Computer Driving License | ICDL US | X | X | X |
| Fundamental Business Concepts | ASK Institute (DECA/MarkED) | X | X | |
| IC3 Certification | Certiport | X | X | X |
| iNet+ Certification | CompTIA | X | X | X |
| Java Programming Examination | Cisco Systems | X | X | X |
| Linux+ Certification | CompTIA | X | X | X |
| Macromedia Certified Professional | Macromedia | X | X | X |
| Master CIW Administrator Certification | ProsoftTraining | X | X | X |
| Master CIW Designer Certification | ProsoftTraining | X | X | X |
| Master CIW Enterprise Developer Certification | ProsoftTraining | X | X | X |
| Master CIW Web Site Manager Certification | ProsoftTraining | X | X | X |
| Microsoft Certified Applications Developer (MCAD) | Microsoft | X | X | X |
| Microsoft Certified Professional (Pass any one Microsoft Professional certification exam) | Microsoft | X | X | X |
| Microsoft Certified Systems Administrator (MCSA) | Microsoft | X | X | X |
| Microsoft Certified Systems Engineer (MCSE) | Microsoft | X | X | X |
| Microsoft Office Specialist (MOS)-(Pass any one unique MOS exam at the core level) | Microsoft | X | X | |
| Network+ Certification | CompTIA | X | X | X |
| Oracle Certification Program Examinations (Pass any one Oracle certification exam) | Oracle Corporation | X | X | X |
| Sun Certified Associate for Java 2 Platform | Sun Microsystems | X | X | X |
| Supporting Users and Troubleshooting a Microsoft Windows XP Operating System (Microsoft Exam: 70-271) | Microsoft | X | X | X |

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| Business and Information Technology | | | | |
| Supporting Users and Troubleshooting Desktop Applications on a Microsoft Windows XP Operating System (Microsoft Exam: 70-272) | Microsoft | X | X | X |
| Unix Examination | Cisco Systems | X | X | X |
| Web Design Examination | Cisco Systems | X | X | X |
| WOW Certified Apprentice Webmaster (CAW) | World Organization of Webmasters | X | X | X |
| WOW Certified Web Administrator Apprentice (CWAA) | World Organization of Webmasters | X | X | X |
| WOW Certified Web Designer Apprentice (CWDSA) | World Organization of Webmasters | X | X | X |
| WOW Certified Web Developer Apprentice (CWDVA) | World Organization of Webmasters | X | X | X |
| Family and Consumer Sciences | | | | |
| Commercial Foods Assessment | National Occupational Competency Testing Institute (NOCTI) | X | X | |
| Early Childhood Care and Education Assessment | National Occupational Competency Testing Institute (NOCTI) | X | X | |
| Food Production Management and Services Assessment | National Occupational Competency Testing Institute (NOCTI) | 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 | |
| ProStart Program Certification (Levels I and/or 2) | Education Foundation of the National Restaurant Association | X | X | |
| Retail Commercial Baking Assessment | National Occupational Competency Testing Institute (NOCTI) | X | X | |
| START Certification (Hospitality Skills) | American Hotel and Lodging Association (AH&LA) | X | X | |
| Health and Medical Sciences | | | | |
| Certified Dental Assistant: Infection Control Examination (ICE) | Dental Assisting National Board, Inc. | X | X | |

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| | | Student Selected Verified Credit | Career and Technical Education Seal | Advanced Mathematics and Technology Seal |
| Health and Medical Sciences | | | | |
| Certified Dental Assistant: Radiation Health & Safety Examination (RHS) | Dental Assisting National Board, Inc. | X | X | |
| Dental Assisting Assessment | National Occupational Competency Testing Institute (NOCTI) | 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 | |
| Virginia Pharmacy Technician Examination | Virginia Board of Pharmacy | X | X | |
| Marketing Education | | | | |
| 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 | |

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| | | Student Selected Verified Credit | Career and Technical Education Seal | Advanced Mathematics and Technology Seal |
| Technology Education | | | | |
| AutoCAD Certifications | Brainbench | 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 | |
| Trade and Industrial Education | | | | |
| A+ Certification (2003 objectives) | CompTIA | X | X | X |
| A+ Certification (pass any one exam from 2006 certification program) | CompTIA | X | X | X |
| A+ Certification: Operating Systems Technologies Examination | CompTIA | X | X | X |
| A+ Certification: Core Hardware Examination | CompTIA | X | X | X |
| Access Certification | American Culinary Federation, Inc. (ACF) | X | X | |
| Advertising and Design Assessment | National Occupational Competency Testing Institute (NOCTI) | X | X | |
| Air Conditioning Certification | HVAC Excellence | X | X | |
| Audio-Visual Communications 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 | |
| Automotive Youth Educational Systems (AYES) Exit Examinations (Pass any two AYES exit exams) | Automotive Youth Educational Systems | X | X | |
| Basic Principles of Construction: Residential Construction Academy Examination | Delmar Thomson Learning/Home Builders Institute | X | X | |

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| Trade and Industrial Education | | | | |
| Basic Installer Exam, Mobile Electronics Certified Professional | Consumer Electronics Association | X | X | |
| BICSI Registered Installer Certification, Level 1 | BICSI (International Telecommunications Association) | X | X | |
| CAD 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, National Construction Career Test | National Center For Construction Education & Research (NCCER) | 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 |
| Certified Electronics Technician Associate (CET) | Electronics Technicians Association, International (ETA) | X | X | |
| Certified Fiber Optics Installer (CFOI) | The Association of Communications & Electronics Schools, International | 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 (CCNA) | CISCO Systems | X | X | X |

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| Trade and Industrial Education | | | | |
| CISCO CCNA Examination: Interconnecting CISCO Networking Devices Examination | CISCO Systems | X | X | X |
| CISCO CCNA Examination: Introduction to CISCO Networking Technologies Examination | 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 |
| Commercial Air Conditioning Certification | HVAC Excellence | X | X | |
| Commercial Refrigeration Certification | HVAC Excellence | X | X | |
| Construction Electricity Assessment | National Occupational Competency Testing Institute (NOCTI) | 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 | |
| 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 | |

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| Trade and Industrial Education | | | | |
| Electric Heat Certification | HVAC Excellence | X | X | |
| Electrical Certification | HVAC Excellence | 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 | |
| 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 | |
| Gas Heat Certification | HVAC Excellence | X | X | |
| General Drafting and Design Assessment | National Occupational Competency Testing Institute (NOCTI) | X | X | |
| Graphic Communication Technology Assessment | National Occupational Competency Testing Institute (NOCTI) | X | X | |
| Graymark Cable Installation Certification | Graymark International | X | X | |
| Heat Pump Certification | HVAC Excellence | X | X | |
| Heating, Electrical, Air Conditioning Technology (HEAT) Examination | HVAC Excellence | X | X | |
| House Wiring: Residential Construction Academy Examination | Delmar Thomson Learning/Home Builders Institute | X | X | |
| HTI+ Systems Infrastructure and Integration Examination | CompTIA | X | X | X |
| HTI+ Residential Systems Examination | CompTIA | X | 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 | |
| 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 | |

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| Trade and Industrial Education | | | | |
| 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 |
| Light Commercial Heating & Air Conditioning Certification | Air Conditioning and Refrigeration Institute | 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, National Construction Career Test | National Center For Construction Education & Research (NCCER) | X | X | |
| Metalworking and Fabrication Assessment | National Occupational Competency Testing Institute (NOCTI) | X | X | |
| 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 | 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 | Graphic Arts Education and Research Foundation | X | X | |
| Refinishing Technology Assessment | National Occupational Competency Testing Institute (NOCTI) | 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 | |
| Student Electronics Technician Certification (SET) | Electronics Technicians Association, International (ETA) | X | X | |
| Telecommunications Electronics Technician Certification | Electronics Technicians Association, International OETA) | X | X | |
| Television Broadcasting Assessment | National Occupational Competency Testing Institute (NOCTI) | X | X | |
| Visual Communications Assessment | National Occupational Competency Testing Institute (NOCTI) | X | X | |

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| Trade and Industrial Education | | | | |
| Voice and Data Cabling Examination | Cisco Systems | X | 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 | |
| License | | | | |
| 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 | |
| Nail Technician | Board of Barbers and Cosmetology (Virginia Department of Professional and Occupational Regulation) | X | X | |
| Real Estate Salesperson | Virginia Real Estate Board (Dept. of Professional & Occupational Regulation) | X | X | |
| Examination | | | | |
| 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 |
| Note: New industry certification credentials and occupational competency assessments are printed in bold. | | | | |

Deletions to Board of Education's Approved Industry Certifications and Licenses

November 29, 2006 (Approved)

| Certifications | Issuing Organization | Deletions |
|--|--|----------------------------------|
| Radiology Safety Examination | Virginia Board of Dentistry | Credential has been discontinued |
| Air Cooled Gas Engine Assessment | National Occupational Competency Testing Institute (NOCTI) | Credential has been discontinued |
| Advanced Concepts of Business and Marketing Certification | ASK Institute (DECA/MarkED) | Credential has been discontinued |
| Fundamental Concepts of Business and Marketing Certification | ASK Institute (DECA/MarkED) | Credential has been discontinued |
| | | |
| | | |