

**2024-2025 BOARD OF EDUCATION APPROVED INDUSTRY
CERTIFICATIONS, OCCUPATIONAL COMPETENCY ASSESSMENTS, AND PROFESSIONAL LICENSES**

BOARD APPROVED / April 25, 2024

In accordance with [8VAC20-131-51. B.2](#), requirements for the Standard Diploma (effective with the students who enter the ninth grade in the 2018-2019 school year and beyond), a laboratory science verified credit may be awarded to students who complete a career and technical education program sequence and (i) pass two examinations or occupational competency assessments in a career and technical education field that confers certification or an occupational competency credential from a recognized industry, trade, or professional association; (ii) acquire two professional licenses in a career and technical education field from the Commonwealth of Virginia; or (iii) pass one examination or competency assessment from clause (i) and acquire one license from clause (ii). The examination or occupational competency assessment must be approved by the board as an additional test to verify student achievement.

Per the Standards of Quality, a computer science course credit earned by students may be considered a career and technical course credit. [8VAC20-131-51. B.2 and C.2](#). (Standard and Advanced Studies Diplomas)

Additional Requirements for Graduation – [8VAC20-131-51. B.2 and C.2](#). (Standard and Advanced Studies Diplomas)

In accordance with the Standards of Quality ([§ 22.1-253.13:4.D.6](#)), students shall (i) complete an Advanced Placement, honors, International Baccalaureate, or dual enrollment course; (ii) complete a high-quality work-based learning experience, as established by board guidance on work-based learning; or (iii) earn a career and technical education credential approved by the board, except when a career and technical education credential in a particular subject area is not readily available or appropriate or does not adequately measure student competency, in which case the student shall receive satisfactory competency-based instruction in the subject area to satisfy the standard diploma requirements. The career and technical education credential, when required, could include the successful completion of an industry certification, a state licensure examination, a national occupational competency assessment, or the Virginia workplace readiness assessment.

Awards for Exemplary Student Performance. – [8VAC20-131-51. H](#).

In accordance with [8VAC20-131-51. H.3](#), the Board of Education's Career and Technical Education Seal shall be awarded to students who earn a Standard Diploma or an 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 an occupational competency assessment in a career and technical education concentration or specialization that confers

certification or 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 shall approve all professional licenses and examinations used to satisfy these requirements.

In accordance with [8VAC20-131-51. H.4](#), the Board of Education's Science, Technology, Engineering, and Mathematics (STEM) Seal shall be awarded to students who meet criteria established by the board.

(For each of the tables below, items with yellow highlighted background indicate new credentials.)

AGRICULTURAL EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION
Agricultural Biotechnology Assessment	NOCTI
Agriculture Mechanics Assessment	NOCTI
Agriculture Mechanics and Technology I Examination	Precision Exams by YouScience
Animal Science II Examination	Precision Exams by YouScience
Animal Systems Assessment	NOCTI
BASF Plant Science Certification Examination	BASF (administered by CEV Multimedia)
Beef Quality Assurance Examination	Virginia Cooperative Extension/VT APSC
Canine Care and Training Program Level 1 Certification Examination	Continental Kennel Club Inc.
Certified Grounds Technician Examination	Professional Grounds Management Society (PGMS)
Certified Turfgrass Professional Examination	Virginia Tech Turfgrass Extension Service
Certified Veterinary Assistant (CVA) Examination (AAH)	American Allied Health (AAH)
Certified Veterinary Assistant Examination (TVMA)	Texas Veterinary Medical Association
Chesapeake Bay Landscape Professional-Associate (CBLP-A) Examination	Chesapeake Conservation Landscaping Council (CCLC)

AGRICULTURAL EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION
Culinary Meat Selection and Cookery Certification Examination	American Meat Science Association (AMSA) administered by CEV Multimedia
Ecology Conservation & Management Certification Examination	Ducks Unlimited (DU) (administered by CEV Multimedia)
EETC Technician Certification Tests (pass any one test)	Equipment and Engine Training Council (EETC)
Equine Management and Evaluation Certification Examination	National Horse Judging Team Coaches' Association (administered by CEV Multimedia)
Equine Science Examination	Precision Exam by YouScience
FAA Remote Pilot Small Unmanned Aircraft Systems Certification Examination (also listed in Technology and Engineering Education)	PSI/True Talent Enterprise
Floriculture Assessment	NOCTI
Floriculture: Greenhouse Assessment	NOCTI
Food Safety & Science Certification Examination	American Meat Science Association (administered by CEV Multimedia)
Forest Products and Processing Assessment	NOCTI
Fundamentals of Animal Science Certification Examination	Elanco (administered by CEV Multimedia)
Greenhouse Operators Certification Examination	Virginia Greenhouse Growers Association (VGGA)
Horticulture/Landscaping Assessment	NOCTI
Master Service Technician Examinations (pass all five to earn credential)	Briggs & Stratton Corp.
Meat Evaluation Certification	American Meat Science Association (administered by CEV Multimedia)
Natural Resource Systems Assessment	NOCTI
Pet Sitters Certification Examination	National Association Professional Pet Sitters (NAPPS)
Principles of Floral Design Certification Examination	Benz School of Floral Design (administered by CEV Multimedia)

AGRICULTURAL EDUCATION	
NAME OF CREDENTIAL	ISSUING ORGANIZATION
<u>Principles of Livestock Selection and Evaluation Certification Examination</u>	National Collegiate Livestock Coaches Association (administered by CEV Multimedia)
<u>Production Agriculture Assessment</u>	NOCTI
<u>Professional Communications Certification Examination</u>	Southwest Airlines (administered by CEV Multimedia)
<u>Small Animal Science and Technology Assessment</u>	NOCTI
<u>Small Engine Technology Assessment</u>	NOCTI
<u>Veterinary Medical Applications Certification Examination</u>	Elanco (administered by CEV Multimedia)

BUSINESS AND INFORMATION TECHNOLOGY	
NAME OF CREDENTIAL	ISSUING ORGANIZATION
<u>A*S*K Fundamental Business Concepts Assessment</u>	ASK Business Institute/MBA Research and Curriculum Center (administered by NOCTI)
<u>Accounting—Advanced Assessment</u>	NOCTI
<u>Accounting—Basic Assessment</u>	NOCTI
<u>Administrative Assisting Assessment</u>	NOCTI
<u>Administrative Services Assessment</u>	NOCTI
<u>Adobe Certified Professional Examinations</u> (pass any one exam)	Adobe Systems Inc. (administered by Certiport)
<u>App Development with Swift Examinations</u> (pass any one exam)	Apple (administered by Certiport)
<u>AWS Certified Cloud Practitioner Examination</u>	Amazon Web Services (AWS) (administered by PSI and Pearson VUE)
<u>Banking and Related Services Assessment</u>	NOCTI
<u>Business Financial Management Assessment</u>	NOCTI

BUSINESS AND INFORMATION TECHNOLOGY NAME OF CREDENTIAL	ISSUING ORGANIZATION
Business Information Processing Assessment	NOCTI
Business Office Specialist Examination	Precision Exam by YouScience
Certified Associate in Python Programming (PCAP) Examination	OpenEDG Python Institute
Certified Cybersecurity Technician (CCT) Examination	EC-Council
Certified Electronic Health Records Specialist (CEHRS) Examination	National Healthcareer Association (NHA)
Certified Entry-Level Python Programmer (PCEP) Examination	OpenEDG Python Institute
Certified Ethical Hacker (CEH) Examination	EC-Council
Certified Internet Web (CIW) Advanced HTML5 and CSS3 Specialist Examination	Certification Partners, LLC
Certified Internet Web (CIW) Artificial Intelligence Associate Examination	Certification Partners, LLC
Certified Internet Web (CIW) Artificial Intelligence Data Science Specialist Examination	Certification Partners, LLC
Certified Internet Web (CIW) Data Analyst Examination	Certification Partners, LLC
Certified Internet Web (CIW) Database Design Specialist Examination	Certification Partners, LLC
Certified Internet Web (CIW) Internet Business Associate Examination	Certification Partners, LLC
Certified Internet Web (CIW) JavaScript Specialist Examination	Certification Partners, LLC
Certified Internet Web (CIW) Multimedia Specialist Examination	Certification Partners, LLC
Certified Internet Web (CIW) Network Technology Associate Examination	Certification Partners, LLC
Certified Internet Web (CIW) Site Development Associate Examination	Certification Partners, LLC
Certified Internet Web (CIW) Social Media Strategist Examination	Certification Partners, LLC
Certified Internet Web (CIW) User Interface Designer Examination	Certification Partners, LLC

BUSINESS AND INFORMATION TECHNOLOGY NAME OF CREDENTIAL	ISSUING ORGANIZATION
Certified Internet Web (CIW) Web Security Associate Examination	Certification Partners, LLC
Certified Medical Administrative Assistant (CMAA) Examination (also listed in Health and Medical Sciences Education)	National Healthcareer Association (NHA)
Certified Network Defender (CND) Examination	EC-Council
Certified Secure Computer User (CSCU) Examination	EC-Council
Cisco Certified Support Technician (CCST) Examinations (pass any one exam)	Certiport
CLA-C Programming Language Certified Associate Examination	OpenEDG C++ Institute
CLE-C Certified Entry-Level Programmer Examination	OpenEDG C++ Institute
Cloud+ Certification Examination	CompTIA
Cloud Essentials+ Certification Examination	CompTIA
CodeHS Cybersecurity Level 2 Certification Examination	CodeHS
CodeHS Level 1 Certification Examinations (pass any one exam)	CodeHS
Communication Skills for Business: Professional Communication Examination	Certiport
Computer Hacking Forensic Investigator (CHFI) Examination	EC-Council
Computer Programming Assessment	NOCTI
CPA-C++ Certified Associate Programmer Certification Examination	OpenEDG C++ Institute
CPE-C++ Certified Entry Level Programmer Examination	OpenEDG C++ Institute
Digital Forensics Essentials (DFE) Examination	EC-Council
Digital Literacy Pro Examination	TestOut Corporation
EC-Council Certified Incident Handler (ECIH) Examination	EC-Council
Ethical Hacking Essentials (EHE) Examination	EC-Council

BUSINESS AND INFORMATION TECHNOLOGY NAME OF CREDENTIAL	ISSUING ORGANIZATION
Financial and Investment Planning Assessment	NOCTI
General Management Assessment	NOCTI
Human Resources Management Assessment	NOCTI
IC3 Digital Literacy Certification Examination	Certiport
Information Technology Specialist Certification Examinations (pass any one exam)	Certiport
Intuit Certified Bookkeeping Professional Examination	Certiport
Intuit Quickbooks Certified User (QBCU) Certification Test	Certiport
IRS Volunteer Income Tax Assistance Tax Preparer Certification Examination	IRS Link and Learn Taxes
IT Fundamentals Pro Examination	TestOut Corp.
JSA-Certified Associate JavaScript Programmer Examination	OpenEDG JavaScript Institute
JSE-Certified Entry-Level JavaScript Programmer Examination	OpenEDG JavaScript Institute
Microsoft Certified Fundamentals Examinations (pass any one exam)	Microsoft
Microsoft Office Specialist (MOS) Examinations (pass any one exam)	Microsoft
Network+ Certification Examination	CompTIA
Network Defense Essentials (NDE) Examination	EC-Council
Network Pro Certification Examination	TestOut Corp.
Oracle Certified Associates, Java SE 8 Programmer Examination	Oracle Academy
Oracle Certified Foundations Associate Examinations (pass any one exam)	Oracle Academy
Oracle Database SQL Certified Associate Examination	Oracle Academy

BUSINESS AND INFORMATION TECHNOLOGY	
NAME OF CREDENTIAL	ISSUING ORGANIZATION
<u>PC Pro Certification Examination</u>	TestOut Corp.
<u>Personal Financial Literacy Certification Examination</u>	Center for Financial Responsibility (CFR) (administered by CEV Multimedia)
<u>PMI Project Management Ready Examination</u>	Certiport
<u>Security Pro Certification Examination</u>	TestOut Corp.
<u>Security+ Certification Examination</u>	CompTIA
<u>Virtual Enterprise Certification Assessment</u>	Virtual Enterprise International (administered by NOCTI)
<u>W!SE Financial Literacy Certification Test</u>	Working in Support of Education (W!SE)
<u>Web Design Assessment</u>	NOCTI

CAREER READINESS CREDENTIALS	
NAME OF CREDENTIAL	ISSUING ORGANIZATION
<u>College and Career Readiness Assessment (CCRA+)</u>	Council for Aid to Education
<u>National Career Readiness Certificate (NCRC)</u>	ACT Inc./WorkKeys
<u>Workplace Readiness Skills for the Commonwealth Examination</u>	Career and Technical Education Consortium of States (CTECS)

FAMILY AND CONSUMER SCIENCES EDUCATION	
NAME OF CREDENTIAL	ISSUING ORGANIZATION
<u>Broad Field Family and Consumer Sciences Assessment</u>	American Association of Family and Consumer Sciences (AAFCS)
<u>Certified Breakfast Attendant Examination</u>	American Hotel and Lodging Educational Institute (AHLEI)

FAMILY AND CONSUMER SCIENCES EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION
Certified Front Desk Representative Examination (also listed in Marketing)	American Hotel and Lodging Educational Institute (AHLEI)
Certified Fundamentals Cook Assessment (ACF-NOCTI)	American Culinary Federation Inc. (ACF) (administered by NOCTI)
Certified Fundamentals Pastry Cook Assessment (ACF-NOCTI)	American Culinary Federation Inc. (ACF) (administered by NOCTI)
Certified Guestroom Attendant Examination	American Hotel and Lodging Educational Institute (AHLEI)
Certified Guest Service Professional Examination (also listed in Marketing)	American Hotel and Lodging Educational Institute (AHLEI)
Certified Hospitality and Tourism Management Professional (CHTMP) Examination (Must Pass Level 1 and Level 2) (also listed in Marketing)	American Hotel and Lodging Educational Institute (AHLEI)
Certified Hospitality Manager (CHM) Examination	American Hotel and Lodging Educational Institute (AHLEI)
Certified Kitchen Cook Examination	American Hotel and Lodging Educational Institute (AHLEI)
Certified Restaurant Professional (CRP) Examination	American Hotel and Lodging Educational Institute (AHLEI)
Certified Restaurant Server Examination	American Hotel and Lodging Educational Institute (AHLEI)
Certified Restaurant Supervisor (CRS) Examination	American Hotel and Lodging Educational Institute (AHLEI)
Child Development Associate (CDA) Assessment	The Council for Professional Recognition
Commercial Foods Assessment	NOCTI
Culinary Arts Assessment	American Association of Family and Consumer Sciences (AAFCS)
Culinary Arts Prep Cook Assessment	NOCTI
Early Childhood Education and Care–Advanced Assessment	NOCTI

FAMILY AND CONSUMER SCIENCES EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION
Early Childhood Education and Care–Basic Assessment	NOCTI
Early Childhood Education Assessment	American Association of Family and Consumer Sciences (AAFCS)
Education and Training Assessment	NOCTI
Education Fundamentals Assessment	American Association of Family and Consumer Sciences (AAFCS)
Family and Community Services Assessment (AAFCS)	American Association of Family and Consumer Sciences (AAFCS)
Fashion, Textiles, and Apparel Assessment	American Association of Family and Consumer Sciences (AAFCS)
Food Protection Manager Certification	Always Food Safe
Food Science Fundamentals Assessment	American Association of Family and Consumer Sciences (AAFCS)
Hospitality and Tourism Specialist Examination (also listed in Marketing)	American Hotel and Lodging Educational Institute (AHLEI)
Hospitality Management–Food and Beverage Assessment	NOCTI
Hospitality Management–Lodging Assessment	NOCTI
Housing and Furnishings Assessment	American Association of Family and Consumer Sciences (AAFCS)
Interior Design Fundamentals Assessment	American Association of Family and Consumer Sciences (AAFCS)
Leadership Essentials Assessment	American Association of Family and Consumer Sciences (AAFCS)
Nutrition, Food, and Wellness Assessment	American Association of Family and Consumer Sciences (AAFCS)

FAMILY AND CONSUMER SCIENCES EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION
<u>ParaPro Assessment</u>	Educational Testing Service
<u>Personal and Family Finance Certification Assessment</u>	American Association of Family & Consumer Sciences (AAFCS)
<u>Praxis Core Academic Skills for Educators Tests</u> (pass all three tests)	Educational Testing Service
<u>ProStart Certificate of Achievement Examinations</u> (pass Level 1 and Level 2)	National Restaurant Association
<u>Restaurant, Food and Beverage Services Assessment</u>	NOCTI
<u>ServSafe Food Protection Manager Certification</u>	National Restaurant Association

HEALTH AND MEDICAL SCIENCES EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION
<u>Biotechnician Assistant Certification Examination (BACE)</u>	UF Biotility
<u>Certified Clinical Medical Assistant (CCMA) Examination</u>	National Healthcareer Association (NHA)
<u>Certified Billing and Coding Specialist (CBCS) Examination</u>	National Healthcareer Association (NHA)
<u>Certified EKG Technician (CET) Examination</u>	National Healthcareer Association (NHA)
<u>Certified Endoscope Reprocessor (CER) Examination</u>	Healthcare Sterile Processing Association (HSPA)
<u>Certified Group Fitness Instructor Examination</u>	Athletics and Fitness Association of America
<u>Certified Medical Admin Assistant (CMAA) Examination</u>	American Allied Health (AAH)
<u>Certified Medical Administrative Assistant (CMAA) Examination</u> (also listed in Business and Information Technology)	National Healthcareer Association (NHA)
<u>Certified Medical Laboratory Assistant (CMLA) Examination</u>	American Medical Technologists (AMT)
<u>Certified Patient Care Technician (CPCT) Examination</u>	American Allied Health (AAH)
<u>Certified Patient Care Technician (CPCT/A) Examination</u>	National Healthcareer Association (NHA)

HEALTH AND MEDICAL SCIENCES EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION
Certified Personal Trainer Examination	National Academy of Sports Medicine (NASM)
Certified Pharmacy Technician (CPhT) Examination	Pharmacy Technician Certification Board
Certified Phlebotomy Technician (CPT) Examination (AAH)	American Allied Health (AAH)
Certified Phlebotomy Technician (CPT) Examination (NHA)	National Healthcareer Association (NHA)
Certified Physical Therapy Aide (CPTA) Examination	American Allied Health (AAH)
Certified Registered Central Service Technician (CRCST) Examination	Healthcare Sterile Processing Association (HSPA)
Certified Surgical Technologist (CST) Examination	National Board of Surgical Technology and Surgical Assisting (NBSTSA)
Clinical Medical Assistant Certification (CMAC) Examination	American Medical Certification Association (AMCA)
Corrective Exercise Specialist (CES) Examination	National Academy of Sports Medicine (NASM)
Dental Assisting Assessment	NOCTI
Dental Assisting National Board (DANB) Examinations (pass any one)	Dental Assisting National Board (DANB)
Diagnostic Services Assessment	NOCTI
EKG Technician Certification (ETC) Examination	American Medical Certification Association (AMCA)
Electronic Health Record Certification (EHRC) Examination	American Medical Certification Association (AMCA)
Emergency Telecommunicator Certification (ETC) Examination	International Academies of Emergency Dispatch (IAED)
Examination for Certification of Pharmacy Technicians (ExCPT) (NHA)	National Healthcareer Association (NHA)
Health Assisting Assessment	NOCTI
Health Informatics Assessment	NOCTI
Medical Administrative Assistant Certification (MAAC) Examination	American Medical Certification Association (AMCA)

HEALTH AND MEDICAL SCIENCES EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION
Medical Assistant Certification (MAC) Examination	American Medical Certification Association (AMCA)
Medical Assisting Assessment	NOCTI
Medical Coder & Biller Certification (MCBC) Examination	American Medical Certification Association (AMCA)
Mental Health Technician Certification (MHTC) Examination	American Medical Certification Association (AMCA)
National Certified ECG Technician (NCET) Examination	National Center for Competency Testing (NCCT)
National Certified Medical Office Assistant (NCMOA) Examination	National Center for Competency Testing (NCCT)
National Certified Patient Care Technician (NCPCT) Examination	National Center for Competency Testing (NCCT)
National Entry Level Dental Assistant (NELDA) Certification (pass all 3 DANB Examinations)	Dental Assisting National Board (DANB)
National Health Science Assessment	National Consortium for Health Science Education (administered by Precision Exams)
Nationally Registered Certified Medical Assistant (NRCMA) Examination	National Association for Health Professionals (NAHP)
Nationally Registered Certified Surgical Technician (NRCST) Examination	National Association for Health Professionals (NAHP)
Nationally Registered Credentialed Dental Assistant (NRCDA) Examination	National Association for Health Professionals (NAHP)
Nursing Assisting Assessment	NOCTI
Patient Care Technician (PCT) Examination	American Medical Technologists (AMT)
Performance Enhancement Specialization (PES) Examination	National Academy of Sports Medicine (NASM)
Phlebotomy Technician Certification (PTC) Examination	American Medical Certification Association (AMCA)
Physical Therapy Technician Certification (PTTC) Examination	American Medical Certification Association (AMCA)
Practical Nursing Assessment	NOCTI

HEALTH AND MEDICAL SCIENCES EDUCATION	
NAME OF CREDENTIAL	ISSUING ORGANIZATION
<u>Registered Dental Assistant (RDA) Examination</u>	American Medical Technologists (AMT)
<u>Registered Medical Assistant (RMA) Examination (AAH)</u>	American Allied Health (AAH)
<u>Registered Medical Assistant (RMA) Examination (AMT)</u>	American Medical Technologists (AMT)
<u>Registered Phlebotomy Technician (RPT) Examination</u>	American Medical Technologists (AMT)
<u>Therapeutic Services Assessment</u>	NOCTI

MARKETING	
NAME OF CREDENTIAL	ISSUING ORGANIZATION
<u>A*S*K Concepts of Finance Assessment</u>	ASK Business Institute/MBA Research and Curriculum Center
<u>A*S*K Fundamental Marketing Concepts Assessment</u>	ASK Business Institute/MBA Research and Curriculum Center
<u>Business of Retail: Operations and Profit Examination</u>	NRF Foundation
<u>Certified Front Desk Representative Examination</u> (also listed in Family & Consumer Sciences Education)	American Hotel and Lodging Educational Institute (AHLEI)
<u>Certified Guest Service Professional Examination</u> (also listed in Family & Consumer Sciences Education)	American Hotel and Lodging Educational Institute (AHLEI)
<u>Certified Hospitality and Tourism Management Professional (CHTMP) Examination</u> (Must Pass Level 1 and Level 2) (also listed in Family & Consumer Sciences Education)	American Hotel and Lodging Educational Institute (AHLEI)
<u>Customer Service and Sales Certification Assessment</u>	NRF Foundation
<u>Hospitality and Tourism Specialist Examination</u> (also listed in Family & Consumer Sciences Education)	American Hotel and Lodging Educational Institute (AHLEI)
<u>Intuit Entrepreneurship and Small Business (ESB) Examination</u>	Certiport

MARKETING	
NAME OF CREDENTIAL	ISSUING ORGANIZATION
Intuit Design for Delight Innovator Certification Examination	Certiport
Lodging Assessment	NOCTI
Meta Certified Digital Marketing Associate Examination	Certiport
Recreation, Amusements, and Attractions Assessment	NOCTI
Retail Industry Fundamentals Certification Assessment	NRF Foundation
Retail Merchandising Assessment	NOCTI

MILITARY SCIENCE	
NAME OF CREDENTIAL	ISSUING ORGANIZATION
Armed Services Vocational Aptitude Battery Examination	United States Military Entrance Processing Command
JROTC Leadership and Employability Skills Assessment	NOCTI

TECHNOLOGY AND ENGINEERING EDUCATION	
NAME OF CREDENTIAL	ISSUING ORGANIZATION
3DEXPERIENCE SOLIDWORKS Associates Academic Examination	SOLIDWORKS Corp.
Additive Manufacturing Essentials Examination	America Makes (administered by NOCTI)
Architectural Apprentice Drafter Examination (also listed in Trade and Industrial Education)	American Design Drafting Association (ADDA)

TECHNOLOGY AND ENGINEERING EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION
Architectural Certified Drafter Examination (also listed in Trade and Industrial Education)	American Design Drafting Association (ADDA)
Architectural Drafting Assessment	NOCTI
Autodesk Certified Associate in CAD for Mechanical Design Examination	Autodesk
Autodesk Certified Expert in Generative Design for Manufacturing Examination	Autodesk
Autodesk Certified Professional Examinations (pass any one exam)	Autodesk
Autodesk Certified User Examinations (pass any one exam)	Certiport
Business Certificate for Manufacturing Examination	Manufacturing Skills Institute
Certified Logistics Associate (CLA) 4.0 Examination	Manufacturing Skills Standards Council (MSSC)
Certified Logistics Technician (CLT) 4.0 Examination	Manufacturing Skills Standards Council (MSSC)
Certified SOLIDWORKS Associate (CSWA) Examination	SOLIDWORKS Corp.
Certified SOLIDWORKS Professional (CSWP) Examination	SOLIDWORKS Corp.
Digital Video Editor (DVE) Examination	Electronics Technicians Association (ETA), International
Electronics Technology Assessment	NOCTI
Energy Industry Fundamentals Certificate Assessment	Center for Energy Workforce Development
FAA Remote Pilot Small Unmanned Aircraft Systems Certification Examination	PSI/True Talent Enterprise
FANUC Certified Robot Operator with ROBOGUIDE Assessment	FANUC America Corp. (administered by NOCTI)
GIS Fundamentals Foundation Examination	Environmental Systems Research Institute (ESRI)
Laboratory Technician Certification Examination	Manufacturing Skills Institute (MSI)
MakerBot Operator Exam for Sketch/Design for 3D Printing Comprehensive Examination	MakerBot

TECHNOLOGY AND ENGINEERING EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION
Manufacturing Specialist Certification Examination	Manufacturing Skills Institute (MSI)
Manufacturing Technician Level 1 (MT1) Certification Examination	Manufacturing Skills Institute (MSI)
Manufacturing Technology Assessment	NOCTI
Mechanical Apprentice Drafter Examination (also listed in Trade and Industrial Education)	American Design Drafting Association (ADDA)
Mechanical Certified Drafter Examination (also listed in Trade and Industrial Education)	American Design Drafting Association (ADDA)
Mechanical Drafting and Design Assessment	NOCTI
Modeling and Simulation Certification Examination	National Center for Simulation
Onshape Certified Associate Examination	Onshape, Inc.
Pre-Engineering Certification Examinations	Robotics Education Competition (REC) Foundation
Pre-Engineering/Engineering Technology Assessment	NOCTI
Pre-Manufacturing Technician 1 (Pre-MT1) Examination	Manufacturing Skills Institute
Project Lead the Way End-of-Course Assessments (Pass any one end-of-course test)	Project Lead the Way
Rapid Prototyping & 3D Design Beginner Certification Examination	Digital Quest
Robotics Certification Examinations (pass Fundamentals and 3 modules)	Robotics Education Competition (REC) Foundation
Smart Manufacturing and Advanced Robotics Training (SMART) Certification Examination	Carnegie Mellon Robotics Academy
Stratasys Additive Manufacturing Certification–Level 1 Examination	Stratasys
Toon Boom Certified Associate Harmony Examinations (pass any one)	Toon Boom Animation
Unity Certified User Examinations (pass any one exam)	Unity Technologies (administered by Certiport)

TRADE AND INDUSTRIAL EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION
A+ Certification Examination	CompTIA
Advertising and Design Assessment	NOCTI
Air Cooled Engine Gasoline Engines Expert Technician Test	Kohler Engines
Architectural Apprentice Drafter Examination (also listed in Technology Education)	American Design Drafting Association (ADDA)
Architectural Certified Drafter Examination (also listed in Technology Education)	American Design Drafting Association (ADDA)
ASE Certification Examinations (pass any one exam)	National Institute for Automotive Service Excellence (ASE)
ASE Entry-Level Certification Tests (pass any one test)	National Institute for Automotive Service Excellence (ASE)
ASE High-Voltage Electrical Safety Standards (xEV) Examination	National Institute for Automotive Service Excellence (ASE)
ASE Refrigerant Recovery & Recycling (EPA 609) Examination	National Institute for Automotive Service Excellence (ASE)
Associate Certified Electronics Technician (CETa) Basic Electronics Certification (pass all 5 electronics modules)	Electronics Technicians Association (ETA) International
Automotive Technician-Advanced Assessment	NOCTI
Automotive Technician-Core Assessment	NOCTI
Avid Certified Associate Examinations	Avid Technology, Inc/ Rowman & Littlefield
Avid Certified/Professional Examinations (pass any one)	Avid Technology, Inc
Avid Certified/Specialist Examinations (pass any one)	Avid Technology, Inc
Broadcasting and Journalism Assessment	NOCTI
Building Construction Occupations Assessment	NOCTI
Building Trades Maintenance Assessment	NOCTI

TRADE AND INDUSTRIAL EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION
CAD Assessment	NOCTI
CAD-CAM Assessment	NOCTI
Carpentry Assessment	NOCTI
Carpentry Level One Assessment	National Center for Construction Education & Research (NCCER)
Carpentry Level Two Assessment	National Center for Construction Education & Research (NCCER)
Certified Production Technician (CPT) 4.0 Assessments	Manufacturing Skill Standards Council (MSSC)
Certified Satellite Installer (CSI) Examination	Electronics Technicians Association (ETA) International
Cisco Certified CyberOps Associate Examination	Cisco Systems Inc.
Cisco Certified DevNet Associate Examination	Cisco Systems Inc.
Cisco Certified Networking Associate (CCNA) Examination	Cisco Systems Inc.
Collision Repair and Refinishing Technology Assessment	NOCTI
Collision Repair Assessment	NOCTI
CompTIA Cybersecurity Analyst (CySA+) Certification Examination	CompTIA
CompTIA IT Fundamentals (ITF+) Examination	CompTIA
Computer-Aided Manufacturing (CAM) – Level 1 Examinations (pass any one exam)	National Institute for Metalworking Skills Inc. (NIMS)
Computer Networking Fundamentals Assessment	NOCTI
Computer Repair Technology Assessment	NOCTI
Computer Service Technician (CST) Examination	Electronics Technicians Association (ETA) International
Computer Technology Assessment	NOCTI

TRADE AND INDUSTRIAL EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION
Construction Masonry–Block Assessment	NOCTI
Construction Masonry–Brick Assessment	NOCTI
Construction Technology Assessment	National Center for Constructional Education & Research (NCCER)
Core: Introduction to Basic Construction Skills Assessment	National Center for Construction Education & Research (NCCER)
Cosmetology Assessment	NOCTI
Criminal Justice Assessment	NOCTI
Data Cabling Installer (DCI) Examination	Electronics Technicians Association (ETA) International
Dimensional Measurements/Quality Inspector Examination	National Institute for Metal Working Skills (NIMS)
Electrical Construction Technology Assessment	NOCTI
Electrical Occupations Assessment	NOCTI
Electrical Level One Assessment	National Center for Construction Education & Research (NCCER)
Electrical Level Two Assessment	National Center for Construction Education & Research (NCCER)
Electronics Assessment	NOCTI
Electronics Module: AC (EM2) Examination	Electronics Technicians Association (ETA) International
Electronics Module: Analog (EM3) Examination	Electronics Technicians Association (ETA) International
Electronics Module: Comprehensive (EM5) Examination	Electronics Technicians Association (ETA) International
Electronics Module: DC (EM1) Examination	Electronics Technicians Association (ETA) International
Electronics Module: Digital (EM4) Examination	Electronics Technicians Association (ETA) International
Emergency and Fire Management Services Assessment	NOCTI

TRADE AND INDUSTRIAL EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION
Emergency Medical Services Assessment	NOCTI
EPA Technician Examinations (pass core plus any type)	Environmental Protection Agency (HVAC Excellence/ Esco Institute)
Festo NC3 Introduction to Mechatronics STEM Lab Certification	NC3 National Coalition of Certification Centers
Festo NC3 Level 1: Fundamentals Certifications (pass any one exam)	NC3 National Coalition of Certification Centers
Fiber Optics Installer (FOI) Examination	Electronics Technicians Association (ETA) International
Firefighter I Certification Exam	Virginia Department of Fire Programs
Firefighter II Certification Exam	Virginia Department of Fire Programs
Flux Core Arc Welding (FCAW) Examination	American Welding Society (AWS)
Gas Heating Service Examination	North American Technician Excellence (NATE)
Gas Metal Arc Welding (GMAW) Examination	American Welding Society (AWS)
Gas Tungsten Arc Welding (GTAW) Examination	American Welding Society (AWS)
General Communications Technician–Level 1 (GCT1) Examination	Electronics Technicians Association (ETA) International
HBI Pre-Apprenticeship Certificate Training (PACT) Assessments (pass any one exam)	Home Builders Institute (HBI) (administered by NOCTI)
HBI/NAHB Residential Construction Academy (RCA) Series Student Certification Assessments (pass any one exam)	Home Builders Institute (HBI) (administered by NOCTI)
Heat Pump Service Examination	North American Technician Excellence (NATE)
Heating, Electrical, Air Conditioning Technology (HEAT) Examination	HVAC Excellence
Heating, Ventilation, Air Conditioning, and Refrigeration (HVAC/R) Assessment	NOCTI
Heating, Ventilation, and Air Conditioning (HVAC) Assessment	NOCTI

TRADE AND INDUSTRIAL EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION
Heavy Equipment Operations Level One Assessment	National Center for Construction Education & Research (NCCER)
Heavy Equipment Operations Level Two Assessment	National Center for Construction Education & Research (NCCER)
HVAC Excellence Employment Ready Examinations (pass any one exam)	HVAC Excellence
HVAC Excellence Specialty Examinations (pass any one exam)	HVAC Excellence
HVACR Level One Assessment	National Center for Construction Education & Research (NCCER)
HVACR Level Two Assessment	National Center for Construction Education & Research (NCCER)
Industrial Electricity Assessment	NOCTI
Industrial Technology Maintenance–Level 1 Examinations (pass any one exam)	National Institute for Metalworking Skills (NIMS)
International Code Council Residential Building Inspector (B1) Examination	International Code Council (ICC)
International Code Council Residential Electrical Inspector (E1) Examination	International Code Council (ICC)
International Code Council Residential Mechanical (HVAC) Inspector (M1) Examination	International Code Council (ICC)
International Code Council Residential Plumbing Inspector (P1) Examination	International Code Council (ICC)
Machining–Level 1 Examinations (pass any one exam with performance component)	National Institute for Metalworking Skills (NIMS)
Marine Service Technician Assessment	The American Boat & Yacht Council (ABYC) (administered by NOCTI)
Masonry Level One Assessment	National Center for Construction Education & Research (NCCER)

TRADE AND INDUSTRIAL EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION
Mechanical Apprentice Drafter Examination (also listed in Technology Education)	American Design Drafting Association (ADDA)
Mechanical Certified Drafter Examination (also listed in Technology Education)	American Design Drafting Association (ADDA)
Mechatronics Systems Certification Examinations (pass any one exam)	Siemens AG
Mechatronics Level 1 Assessment	NOCTI
Network Cabling Specialist Certification Examinations	C-Tech Associates Inc.
Non-Structural Technician ProLevel 1 Certification Test	I-CAR
Non-Structural Technician ProLevel 2 Certification Test	I-CAR
Plumbing-Heating-Cooling Contractors Educational Foundation Examinations (pass any one exam)	Plumbing-Heating-Cooling Contractors (PHCC) Educational Foundation (administered by NOCTI)
Plumbing Level One Assessment	National Center for Construction Education & Research (NCCER)
Plumbing Level Two Assessment	National Center for Construction Education & Research (NCCER)
Precision Machining Assessment	NOCTI
Principles of Small Engine Technology Certification Examination	Equipment & Engine Training Council (EETC) (administered by CEV Multimedia)
Print[ED] Certification Examinations (pass any one exam)	Graphic Arts Education and Research Foundation (administered by SkillsUSA)
Protective Services Assessment	NOCTI
Refinish Technician ProLevel 1 Certification Test	I-CAR
Refinish Technician ProLevel 2 Certification Test	I-CAR
SENSE Training Program Certification Examination (Level 1, Entry-Level Welder)	American Welding Society (AWS)
Shielded Metal Arc Welding (SMAW) Examination	American Welding Society (AWS)

TRADE AND INDUSTRIAL EDUCATION	
NAME OF CREDENTIAL	ISSUING ORGANIZATION
<u>Smart Automation Associate Certifications</u> (pass any one exam)	Smart Automation Certification Alliance (SACA)
<u>Solid Edge Mechanical Associate Level Certification Examination</u>	Siemens/Tom White & Associates
<u>Student Electronics Technician (SET) Examination</u>	Electronics Technicians Association (ETA) International
<u>Technical Drafting Assessment</u>	NOCTI
<u>Television Production Assessment</u>	NOCTI
<u>Virginia Official Safety Inspector Class A Examination</u>	Virginia State Police
<u>Visual Communications and Multimedia Design Assessment</u>	NOCTI
<u>Welding Assessment</u>	NOCTI
<u>Welding Level One Assessment</u>	National Center for Construction Education & Research (NCCER)
<u>Yamaha Maintenance Certification: Introduction to Outboard Systems Examination</u>	Yamaha Marine University

PROFESSIONAL LICENSES	
NAME OF CREDENTIAL	ISSUING ORGANIZATION
<u>Virginia Master Barber Examination</u>	Board of Barbers and Cosmetology (Virginia Department of Professional and Occupational Regulation)
<u>Certified Commercial Pesticide Applicator Examination</u>	Virginia Department of Agriculture and Consumer Services
<u>Certified Nurse Aide Examination</u>	Virginia Board of Nursing
<u>Certified Private Applicator Examination</u>	Virginia Department of Agriculture and Consumer Services
<u>Certified Registered Technician Pesticide Applicator Examination</u>	Virginia Department of Agriculture and Consumer Services
<u>Emergency Medical Responder Examination</u>	Department of Health, Office of Emergency Medical Services

PROFESSIONAL LICENSES	
NAME OF CREDENTIAL	ISSUING ORGANIZATION
<u>Emergency Medical Technician Examination</u>	Department of Health, Office of Emergency Medical Services
<u>FAA Private Pilot Written Test</u>	Federal Aviation Administration
<u>Licensed Practical Nurse Examination</u>	Virginia Board of Nursing
<u>Nail Technician Examination</u>	Board of Barbers and Cosmetology (Virginia Department of Professional and Occupational Regulation)
<u>Real Estate Salesperson Examination</u>	Virginia Real Estate Board (Virginia Department of Professional and Occupational Regulation)
<u>Virginia Cosmetology Examination</u>	Board of Barbers and Cosmetology (Virginia Department of Professional and Occupational Regulation)

EXAMINATIONS	
NAME OF CREDENTIAL	ISSUING ORGANIZATION
<u>Advanced Placement (AP) Computer Science A Examination</u>	The College Board
<u>Advanced Placement (AP) Computer Science Principles Examination</u>	The College Board
<u>College Level Examination Program (CLEP): Financial Accounting Examination</u>	The College Board
<u>College Level Examination Program (CLEP): Information Systems</u>	The College Board
<u>College Level Examination Program (CLEP): Introductory Business Law</u>	The College Board

EXAMINATIONS	
NAME OF CREDENTIAL	ISSUING ORGANIZATION
<u>College Level Examination Program (CLEP): Principles of Management</u>	The College Board
<u>College Level Examination Program (CLEP): Principles of Marketing</u>	The College Board
<u>International Baccalaureate Business Management (Higher Level)</u>	The International Baccalaureate Organization
<u>International Baccalaureate Business Management (Standard Level) Certificate</u>	The International Baccalaureate Organization
<u>International Baccalaureate Computer Science (Higher Level) Certificate</u>	The International Baccalaureate Organization
<u>International Baccalaureate Computer Science (Standard Level) Certificate</u>	The International Baccalaureate Organization
<u>International Baccalaureate Design Technology (Higher Level) Certificate</u>	The International Baccalaureate Organization
<u>International Baccalaureate Design Technology (Standard Level) Certificate</u>	The International Baccalaureate Organization
<u>International Baccalaureate Digital Society (Higher Level) Certificate</u>	The International Baccalaureate Organization
<u>International Baccalaureate Digital Society (Standard Level) Certificate</u>	The International Baccalaureate Organization

DELETIONS—AGRICULTURAL EDUCATION	
NAME OF CREDENTIAL	ISSUING ORGANIZATION
Landscape Management Certification Examination	Green Industry Web (GIW) Portal
Turfgrass Management Certification Examination	Green Industry Web (GIW) Portal
Urban Forestry Management Certification Examination	Green Industry Web (GIW) Portal

DELETIONS—BUSINESS AND INFORMATION TECHNOLOGY	
NAME OF CREDENTIAL	ISSUING ORGANIZATION
Coding in MineCraft Capstone Credential	Certiport
Ethical Hacking Associate Examination	EC-Council
Interactive Media Assessment	NOCTI
Linux+ Certification Examination	CompTIA

DELETIONS—FAMILY AND CONSUMER SCIENCES EDUCATION	
NAME OF CREDENTIAL	ISSUING ORGANIZATION
Early Childhood Development and Services Assessment	NOCTI
Family and Community Services Assessment-NOCTI	NOCTI
Interior Decorating and Design Assessment	NOCTI
Personal Care Services Assessment	NOCTI

DELETIONS—HEALTH AND MEDICAL SCIENCES EDUCATION	
NAME OF CREDENTIAL	ISSUING ORGANIZATION
AAPC Medical Coding Examinations	American Academy of Professional Coders (AAPC)
Certified EKG Technician (CET) Examination	American Allied Health (AAH)
Certified Optometric Assistant (COA) Examination	American Allied Health (AAH)
Dental Support Technician Certification (DSTC) Examination	American Medical Certification Association (AMCA)

DELETIONS—HEALTH AND MEDICAL SCIENCES EDUCATION	
NAME OF CREDENTIAL	ISSUING ORGANIZATION
Home Health Aide Assessment	NOCTI
Limited Licensed Radiology Technologist (LLRT) Examination	American Allied Health (AAH)
Medical Coding and Billing Specialist (MCBS) Examination	American Allied Health (AAH)
National Certified Insurance and Coding Specialist (NCICS) Examination	National Center for Competency Testing (NCCT)
National Certified Medical Assistant (NCMA) Examination	National Center for Competency Testing (NCCT)
National Certified Phlebotomy Technician (NCPT) Examination	National Center for Competency Testing (NCCT)
National Registered Certified Administrative Health Assistant (NRCAHA) Examination	National Association for Health Professionals (NAHP)
Nationally Registered Certified Coding Specialist (NRCCS) Examination	National Association for Health Professionals (NAHP)
Nationally Registered Certified EKG Technician (NRCEKG) Examination	National Association for Health Professionals (NAHP)
Nationally Registered Certified Patient Care Technician (NRCPT) Examination	National Association for Health Professionals (NAHP)
Nationally Registered Certified Pharmacy Technician (NRCPhT) Examination	National Association for Health Professionals (NAHP)
Nationally Registered Certified Phlebotomy Technician (NRCPT) Examination	National Association for Health Professionals (NAHP)
Patient Care Technician Certification (PCTC) Examination	American Medical Certification Association (AMCA)
Tech in Surgery Certified (TS-C) Examination	National Center for Competency Testing (NCCT)

DELETIONS—MARKETING	
NAME OF CREDENTIAL	ISSUING ORGANIZATION
A*S*K Concepts of Entrepreneurship and Management Assessment	ASK Business Institute/MBA Research and Curriculum Center (Administered by NOCTI)

DELETIONS—MARKETING	
NAME OF CREDENTIAL	ISSUING ORGANIZATION
Travel and Tourism Assessment	NOCTI

DELETIONS—TECHNOLOGY AND ENGINEERING EDUCATION	
NAME OF CREDENTIAL	ISSUING ORGANIZATION
Biotechnology Assessment	NOCTI
Spatial Projects and Community Exchange (SPACE) Examination	Digital Quest
Spatial Technology and Remote Sensing (STARS) Certification Examination	Digital Quest

DELETIONS—TRADE AND INDUSTRIAL EDUCATION	
NAME OF CREDENTIAL	ISSUING ORGANIZATION
Air Conditioning Service Examination	North American Technician Association (NATE)
Audio-Visual Communications Technology Assessment	NOCTI
Cabinetmaking Assessment	NOCTI
Certified Alarm Security Technician (CAST) Examination	Electronics Technician Association (ETA) International
Certified Broadcast Technologist (CBT) Examination	The Society of Broadcast Engineers (SBE)
Certified Radio Operator (CRO) Examination	The Society of Broadcast Engineers (SBE)

DELETIONS—TRADE AND INDUSTRIAL EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION
Certified Television Operator Examination	The Society of Broadcast Engineers (SBE)
Construction Assessment	NOCTI
Customer Service Specialist (CSS) Examination	Electronics Technician Association (ETA) International
Design and Pre-Construction Assessment	NOCTI
Diesel Technology Assessment	NOCTI
Electric Power and Distribution Assessment	NOCTI
Fundamentals of Construction Assessment	NOCTI
Graphic Production Technology Assessment	NOCTI
Industrial Electronics Assessment	NOCTI
Industrial Maintenance Mechanic Assessment	NOCTI
Installer (or Service) Core (HVAC/R) Examination	North American Technician Excellence (NATE)
Legal Services Assessment	NOCTI
Maintenance Operations Assessment	NOCTI
Mobile Communications and Electronics Installer (MCEI) Examination	Electronics Technician Association (ETA) International

DELETIONS—TRADE AND INDUSTRIAL EDUCATION	
NAME OF CREDENTIAL	ISSUING ORGANIZATION
Performing Arts Assessment	NOCTI
Photovoltaic Installer Level 1 (PVI1) Examination	Electronics Technician Association (ETA) International
Plumbing Assessment	NOCTI
Security and Protective Services Assessment	NOCTI
Small Unmanned Aircraft System (UAS) Safety Certification Examination	Unmanned Safety Institute (USI)
Technical Theater Assessment	NOCTI
Telecommunications Electronics Technician (TEM) Examination	Electronics Technician Association (ETA) International
Visual Arts Assessment	NOCTI

DELETIONS— PROFESSIONAL LICENSES	
NAME OF CREDENTIAL	ISSUING ORGANIZATION
General Radiotelephone Operator (GRO) Examination	Federal Communications Commission (FCC)