

2023-2024 BOARD OF EDUCATION APPROVED INDUSTRY CERTIFICATIONS, OCCUPATIONAL COMPETENCY ASSESSMENTS, AND PROFESSIONAL LICENSES

BOARD APPROVED / _____

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 an asterisk (*) and yellow highlighted background indicate new credentials. Red strikethrough items indicate deleted items.)

AGRICULTURAL EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION
Agricultural Biotechnology Assessment	NOCTI
Agriculture Mechanics Assessment	NOCTI
Agriculture Systems 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 Turfgrass Council (VTC)
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)
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
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
Landscape Management Certification Examination	Green Industry Web (GIW) Portal
Master Service Technician Examinations (pass any one exam)	Briggs & Stratton Corp.
Meat Evaluation Certification Examination	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>Turfgrass Management Certification Program Examination</u>	Green Industry Web (GIW) Portal
<u>Urban Forestry Certification Test</u>	Green Industry Web (GIW) Portal
<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
<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.
<u>App Development with Swift Examinations</u> (pass any one exam)	Certiport
<u>AWS Certified Cloud Practitioner Certification Examination</u>	Amazon Web Services (AWS) (administered by PSI and Pearson VUE)

BUSINESS AND INFORMATION TECHNOLOGY NAME OF CREDENTIAL	ISSUING ORGANIZATION
Banking and Related Services Assessment	NOCTI
Business Financial Management Assessment	NOCTI
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	E-C 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	E-C 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

BUSINESS AND INFORMATION TECHNOLOGY NAME OF CREDENTIAL	ISSUING ORGANIZATION
Certified Internet Web (CIW) Social Media Strategist Examination	Certification Partners LLC
Certified Internet Web (CIW) User Interface Designer Examination	Certification Partners LLC
Certified Internet Web (CIW) Web Security Specialist Examination	Certification Partners LLC
Certified Medical Administrative Assistant (CMAA) Examination (NHA)	National Healthcareer Association (NHA)
* Certified Network Defender (CND) Examination	E-C Council
Certified Secure Computer User (CSCU) Examination	E-C Council
CLA-C Programming Language Certified Associate Examination	C++ Institute
CLE-C Certified Entry-Level Programmer Examination	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
Coding in Minecraft Capstone Credential Examination	Certiport
Communication Skills for Business: Professional Communication Examination	Certiport
* Computer Hacking Forensic Investigator (CHFI) Examination	E-C Council
Computer Programming Assessment	NOCTI
CPA-C++ Certified Associate Programmer Certification Examination	C++ Institute
CPE-C++ Certified Entry-Level Programmer Examination	C++ Institute
Cyber Forensics Associate Examination	E-C Council
* Digital Forensics Essentials (DFE) Examination	E-C Council

BUSINESS AND INFORMATION TECHNOLOGY NAME OF CREDENTIAL	ISSUING ORGANIZATION
* Digital Literacy Pro Examination	TestOut Corporation
* EC-Council Certified Incident Handler (ECIH) Examination	E-C Council
Ethical Hacking Associate Examination	E-C Council
* Ethical Hacking Essentials (EHE) Examination	E-C Council
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
Interactive Media Assessment	NOCTI
Intuit Certified Bookkeeping Professional Certification 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
Linux+ Certification Examination	CompTIA
macOS Support Essentials Examination	Apple Inc.
Microsoft Certified Fundamentals Examinations (pass any one exam)	Microsoft
Microsoft Office Specialist (MOS) Examinations (pass any one exam)	Microsoft

BUSINESS AND INFORMATION TECHNOLOGY	
NAME OF CREDENTIAL	ISSUING ORGANIZATION
Network+ Certification Examination	CompTIA
* Network Defense Essentials (NDE) Examination	E-C 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
PC Pro Certification Examination	TestOut Corp.
Personal Financial Literacy Certification Examination	Center for Financial Responsibility (CFR)
PMI Project Management Ready Examination	Certiport
Security Pro Certification Examination	TestOut Corp.
Security+ Certification Examination	CompTIA
Virtual Enterprise Certification Assessment	Virtual Enterprise International (administered by NOCTI)
W!SE Financial Literacy Certification Test	Working in Support of Education (W!SE)
Web Design Assessment	NOCTI

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

FAMILY AND CONSUMER SCIENCES EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION
Broad Field Family and Consumer Sciences Assessment	American Association of Family and Consumer Sciences (AAFCS)
Certified Breakfast Attendant Examination	American Hotel and Lodging Educational Institute (AHLEI)
Certified Front Desk Representative Examination (also listed in Marketing)	American Hotel and Lodging Educational Institute (AHLEI)
Certified Fundamentals Cook Assessment	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 Examination (Must Pass Level 1 and Level 2) (also listed in Marketing)	American Hotel and Lodging Educational Institute (AHLEI)
Certified Kitchen Cook Examination	American Hotel and Lodging Educational Institute (AHLEI)
Certified Restaurant Server 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 Development and Services Assessment	NOCTI

FAMILY AND CONSUMER SCIENCES EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION
Early Childhood Education and Care–Advanced Assessment	NOCTI
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)
Family and Community Services Assessment (NOCTI)	NOCTI
Fashion, Textiles, and Apparel Assessment	American Association of Family and Consumer Sciences (AAFCS)
Food Production Manager Certification Examination	Always Food Safe
Food Science Fundamentals Assessment	American Association of Family and Consumer Sciences (AAFCS)
* Hospitality and Tourism Specialist Examination	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 Decorating and Design Assessment	NOCTI
Interior Design Fundamentals Assessment	American Association of Family and Consumer Sciences (AAFCS)

FAMILY AND CONSUMER SCIENCES EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION
<u>Leadership Essentials Assessment</u>	American Association of Family and Consumer Sciences (AAFCS)
<u>Nutrition, Food, and Wellness Assessment</u>	American Association of Family and Consumer Sciences (AAFCS)
<u>ParaPro Assessment</u>	Educational Testing Service
<u>Personal Care Services Assessment</u>	NOCTI
<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 I and/or 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>AAPC Medical Coding Examinations</u> (pass any one exam)	American Academy of Professional Coders (AAPC)
<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 Dental Assistant and National Entry-Level Dental Assistant: Infection Control (ICE) Examination</u>	Dental Assisting National Board Inc.
<u>Certified Dental Assistant and National Entry-Level Dental Assistant: Radiation Health and Safety (RHS) Examination</u>	Dental Assisting National Board Inc.

HEALTH AND MEDICAL SCIENCES EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION
Certified EKG Technician (CET) Examination	American Allied Health (AAH)
Certified EKG Technician (CET) Examination	National Healthcareer Association (NHA)
Certified Emergency Telecommunicator Examination	International Academies of Emergency Dispatch (IAED)
Certified Group Fitness Instructor Examination	Athletics and Fitness Association of America
* Certified Medical Admin Assistant (CMAA) Examination	American Allied Health (AAH)
Certified Medical Laboratory Assistant (CMLA) Examination	American Medical Technologists (AMT)
Certified Optometric Assistant (COA) Examination (AAH)	American Allied Health (AAH)
Certified Patient Care Technician (CPCT) Examination	American Allied Health (AAH)
Certified Patient Care Technician (CPCT/A) Examination	National Healthcareer Association (NHA)
Certified Personal Trainer Examination	National Academy of Sports Medicine (NASM)
Certified Pharmacy Technician (CPhT) Examination	Pharmacy Technician Certification Board
Certified Phlebotomy Technician (CPT) Examination	American Allied Health (AAH)
Certified Phlebotomy Technician (CPT) Examination	National Healthcareer Association (NHA)
Certified Physical Therapy Aide (CPTA) Examination	American Allied Health (AAH)
Certified Registered Central Service Technician (CRCST) Examination	International Association of Central Service Materials Management (IAHCSMM)
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)
Dental Assisting Assessment	NOCTI
Dental Support Technician Certification (DSTC) Examination	American Medical Certification Association (AMCA)

HEALTH AND MEDICAL SCIENCES EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION
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)
Examination for Certification of Pharmacy Technicians (ExCPT) (NHA)	National Healthcareer Association (NHA)
Health Assisting Assessment	NOCTI
Health Informatics Assessment	NOCTI
Home Health Aide Assessment	NOCTI
Limited Licensed Radiology Technologist (LLRT) Examination	American Allied Health (AAH)
Medical Administrative Assistant Certification (MAAC) Examination	American Medical Certification Association (AMCA)
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)
Medical Coding and Billing Specialist (MCBS) Examination	American Allied Health (AAH)
Mental Health Technician Certification Examination	American Medical Certification Association (AMCA)
National Certified ECG Technician (NCET) Examination	National Center for Competency Testing (NCCT)
National Certified Insurance and Coding Specialists (NCICS) Examination	National Center for Competency Testing (NCCT)
National Certified Medical Assistant (NCMA) 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 Certified Phlebotomy Technician (NCPT) Examination	National Center for Competency Testing (NCCT)

HEALTH AND MEDICAL SCIENCES EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION
National Entry Level Dental Assistant: Anatomy, Morphology and Physiology (AMP) Examination	Dental Assisting National Board Inc.
National Health Science Assessment	National Consortium for Health Science Education (administered by Precision Exams)
National Registered Certified Administrative Health Assistant (NRCAHA) Examination	National Association for Health Professionals (NAHP)
Nationally Registered Certified Coding Specialist (NCCCS) Examination	National Association for Health Professionals (NAHP)
Nationally Registered Certified EKG Technician (NRCEKGT) Examination	National Association for Health Professionals (NAHP)
Nationally Registered Certified Medical Assistant (NRCMA) Examination	National Association for Health Professionals (NAHP)
Nationally Registered Certified Patient Care Technician (NRCPCT) 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)
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)
Patient Care Technician Certification (PCTC) Examination	American Medical Certification Association (AMCA)
Performance Enhancement Specialization (PES) Examination	National Academy of Sports Medicine (NASM)

HEALTH AND MEDICAL SCIENCES EDUCATION	
NAME OF CREDENTIAL	ISSUING ORGANIZATION
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
Registered Dental Assistant (RDA) Examination	American Medical Technologists (AMT)
Registered Medical Assistant (RMA) Examination	American Allied Health (AAH)
* Registered Medical Assistant (RMA) Examination	American Medical Technologists (AMT)
Registered Phlebotomy Technician (RPT) Examination	American Medical Technologists (AMT)
Tech in Surgery–Certified (TS-C) Examination	National Center for Competency Testing (NCCT)
Therapeutic Services Assessment	NOCTI

MARKETING	
NAME OF CREDENTIAL	ISSUING ORGANIZATION
A*S*K Concepts of Entrepreneurship and Management Assessment	ASK Business Institute/MBA Research and Curriculum Center
A*S*K Concepts of Finance Assessment	ASK Business Institute/MBA Research and Curriculum Center
A*S*K Fundamental Marketing Concepts Assessment	ASK Business Institute/MBA Research and Curriculum Center
Business of Retail: Operations and Profit Examination	NRF Foundation
Certified Front Desk Representative Examination (also listed in Family & Consumer Sciences Education)	American Hotel and Lodging Educational Institute (AHLEI)
Certified Guest Service Professional Examination (also listed in Family & Consumer Sciences Education)	American Hotel and Lodging Educational Institute (AHLEI)

MARKETING	
NAME OF CREDENTIAL	ISSUING ORGANIZATION
<u>Certified Hospitality and Tourism Management Professional 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>Intuit Entrepreneurship and Small Business (ESB) Examination</u>	Certiport
<u>Intuit Design for Delight Innovator Certification Examination</u>	Certiport
<u>Lodging Assessment</u>	NOCTI
<u>Recreation, Amusements, and Attractions Assessment</u>	NOCTI
<u>Retail Industry Fundamentals Certification Assessment</u>	NRF Foundation
<u>Retail Merchandising Assessment</u>	NOCTI
<u>Travel and Tourism Assessment</u>	NOCTI

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

TECHNOLOGY 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)
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)	Certiport
Autodesk Certified User Examinations (pass any one exam)	Certiport
Biotechnology Assessment	NOCTI
Business Certificate for Manufacturing Examination	Manufacturing Skills Institute
Certified Logistics Associate (CLA) Examination	Manufacturing Skills Standards Council (MSSC)
Certified Logistics Technician (CLT) Associate 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

TECHNOLOGY EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION
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
Manufacturing Specialist Certification Examination	Manufacturing Skills Institute (MSI)
Manufacturing Technician Level 1 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.
Performing Arts Assessment (also listed in Trade and Industrial Education)	NOCTI
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

TECHNOLOGY EDUCATION	
NAME OF CREDENTIAL	ISSUING ORGANIZATION
<u>Project Lead the Way End-of-Course Assessments</u> (Pass any one end-of-course test)	Project Lead the Way
<u>Rapid Prototyping & 3D Design Beginner Certification Examination</u>	Digital Quest
<u>Robotics Certification Examination</u>	Robotics Education Competition (REC) Foundation
<u>Smart Manufacturing and Advanced Robotics Training (SMART) Certification Examination</u>	Carnegie Mellon Robotics Academy
<u>Spatial Projects and Community Exchange (SPACE) Examination</u>	Digital Quest Inc.
<u>Spatial Technology and Remote Sensing (STARS) Certification Examination</u>	Digital Quest Inc.
<u>Stratasys Additive Manufacturing Certification–Level 1 Examination</u>	Stratasys
<u>Unity Certified User Examinations (pass any one)</u>	Unity Technologies

TRADE AND INDUSTRIAL EDUCATION	
NAME OF CREDENTIAL	ISSUING ORGANIZATION
<u>A+ Certification Examination</u>	CompTIA
<u>Advertising and Design Assessment</u>	NOCTI
<u>Air Conditioning Service Examination</u>	North American Technician Excellence (NATE)
<u>Air Cooled Engine Gasoline Engines Expert Technician Test</u>	Kohler Engines
<u>Architectural Apprentice Drafter Examination</u> (also listed in Technology Education)	American Design Drafting Association (ADDA)
<u>Architectural Certified Drafter Examination</u> (also listed in Technology Education)	American Design Drafting Association (ADDA)

TRADE AND INDUSTRIAL EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION
ASE Certification Examinations (pass any one exam)	National Institute for Automotive Service Excellence
ASE Entry-Level Certification Tests (pass any one test)	National Institute for Automotive Service Excellence
Associate Certified Electronics Technician (CETa) Examination	Electronics Technicians Association (ETA) International
Audio-Visual Communications Assessment	NOCTI
Automotive Technician-Advanced Assessment	NOCTI
Automotive Technician-Core Assessment	NOCTI
* Avid Certified Associate Examinations	Avid Technology, Inc
* Avid Certified Operator Examinations	Avid Technology, Inc
Avid Certified Professional for Media Composer Certification Examination	Avid
Avid Certified User for Media Composer Certification Examination	Avid
Broadcasting and Journalism Assessment	NOCTI
Building Construction Occupations Assessment	NOCTI
Building Trades Maintenance Assessment	NOCTI
Cabinetmaking Assessment	NOCTI
CAD Assessment	NOCTI
CAD-CAM Assessment	NOCTI
Carpentry Assessment	NOCTI
Carpentry Level One Entry-Level Assessment	National Center for Construction Education & Research (NCCER)
Certified Alarm Security Technician (CAST) Examination	Electronics Technicians Association (ETA) International
Certified Broadcast Technologist (CBT) Examination	The Society of Broadcast Engineers (SBE)

TRADE AND INDUSTRIAL EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION
Certified Production Technician (CPT) 4.0 Assessment	Manufacturing Skill Standards Council (MSSC)
Certified Radio Operator (CRO) Examination	The Society of Broadcast Engineers (SBE)
Certified Satellite Installer (CSI) Examination	Electronics Technicians Association (ETA) International
Certified Television Operator Examination	The Society of Broadcast Engineers (SBE)
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
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
Construction Assessment	NOCTI
Construction Masonry–Block Assessment	NOCTI
Construction Masonry–Brick Assessment	NOCTI
Construction Technologist Entry-Level Assessment	National Center for Constructional Education & Research (NCCER)
Core: Introduction to Basic Construction Skills Assessment	National Center for Construction Education & Research (NCCER)

TRADE AND INDUSTRIAL EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION
Cosmetology Assessment	NOCTI
Criminal Justice Assessment	NOCTI
Customer Service Examination	SkillsUSA
Customer Service Specialist (CSS) Examination	Electronics Technicians Association (ETA) International
Cybersecurity Analyst (CySA+) Certification Examination	CompTIA
Data Cabling Installer (DCI) Examination	Electronics Technicians Association (ETA) International
Design and Pre-Construction Assessment	NOCTI
Diesel Technology Assessment	NOCTI
* Dimensional Measurements/Quality Inspector Examination	National Institute for Metal Working Skills (NIMS)
Electric Power and Distribution Assessment	NOCTI
Electrical Construction Technology Assessment	NOCTI
Electrical Occupations Assessment	NOCTI
Electrician Level One 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 any one exam)	Environmental Protection Agency (Authorized Entity)
Festo NC3 Introduction to Mechatronics STEM Lab Certification	NC3 National Coalition of Certification Centers
Festo NC3 Level 1: Fundamentals Certifications (pass any one)	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)
Fundamentals of Construction Assessment	NOCTI
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
Graphic Production Technology Assessment	NOCTI
HBI Pre-Apprenticeship Certificate Training (PACT) Assessments (Pass any one)	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

TRADE AND INDUSTRIAL EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION
Heating, Ventilation, and Air Conditioning (HVAC) Assessment	NOCTI
Heavy Equipment Operations Level One 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
HVAC Level One Assessment	National Center for Construction Education & Research (NCCER)
Industrial Electricity Assessment	NOCTI
Industrial Electronics Assessment	NOCTI
Industrial Maintenance Mechanics Assessment	NOCTI
Industrial Technology Maintenance–Level 1 Examinations (pass any one exam)	National Institute for Metalworking Skills (NIMS)
Installer (or Service) Core (HVAC/R) Examination	North American Technician Excellence Inc. (NATE)
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)
IT Fundamentals+ (IFT+) Certification Examination	CompTIA
Legal Services Assessment	NOCTI
Machining-Level 1 Examinations (pass any one exam with performance component)	National Institute for Metalworking Skills (NIMS)

TRADE AND INDUSTRIAL EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION
Maintenance Operations Assessment	NOCTI
Marine Service Technician (Inland and Coastal–Core) Assessment	The American Boat & Yacht Council (ABYC) (administered by NOCTI)
Masonry Level One Assessment	National Center for Construction Education & Research (NCCER)
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
Mobile Communications and Electronics Installer (MCEI) Examination	Electronics Technicians Association (ETA) International
Network Cabling Specialist Certification Examinations	C-Tech Associates Inc.
Non-Structural Technician ProLevel 1 Certification Test	I-CAR
Non-Structural Technician Pro-Level 2 Certification Test	I-CAR
Official Motor Vehicle Inspection Examination	Virginia State Police
Performing Arts Assessment (also listed in Technology Education)	NOCTI
Photovoltaic Installer–Level 1 (PVI1) Examination	Electronics Technicians Association (ETA) International
Plumbing Assessment	NOCTI
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)
Precision Machining Assessment	NOCTI

TRADE AND INDUSTRIAL EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION
Principles of Small Engine Technology Certification Examination	Equipment & Engine Training Council (EETC)
Print[ED] Certification Examinations (pass any one exam)	Graphic Arts Education and Research Foundation (administered by SkillsUSA)
Protective Services Assessment	NOCTI
Refinish Technician Pro-Level 1 Certification Test	I-CAR
Refinish Technician Pro-Level 2 Certification Test	I-CAR
Security and Protective Services Assessment	NOCTI
SENSE Training Program Certification Examination (Level 1, Entry-Level Welder)	American Welding Society (AWS)
Shielded Metal Arc Welding (SMAW) Examination	American Welding Society (AWS)
Small Unmanned Aircraft System (UAS) Safety Certification Examination	Unmanned Safety Institute
Smart Automation Associate Certifications (pass any one)	Smart Automation Certification Alliance (SACA)
* Solid Edge Mechanical Associate Level Certification Examination	Siemens/Tom White & Associates
Student Electronics Technician (SET) Examination	Electronics Technicians Association (ETA) International
Technical Drafting Assessment	NOCTI
Technical Theatre Assessment	NOCTI
Telecommunications (TCM) Electronics Technician Examination	Electronics Technicians Association (ETA) International
Television Production Assessment	NOCTI
Visual Arts Assessment	NOCTI
Visual Communications and Interactive Media Design Assessment	NOCTI
Welding Assessment	NOCTI

TRADE AND INDUSTRIAL EDUCATION	
NAME OF CREDENTIAL	ISSUING ORGANIZATION
Welding Level One Assessment	National Center for Construction Education & Research (NCCER)

PROFESSIONAL LICENSES	
NAME OF CREDENTIAL	ISSUING ORGANIZATION
Virginia Master Barber Examination	Board of Barbers and Cosmetology (Virginia Department of Professional and Occupational Regulation)
Certified Commercial Pesticide Applicator Examination	Virginia Department of Agriculture and Consumer Services
Certified Nurse Aide Examination	Virginia Board of Nursing
Certified Private Applicator Examination	Virginia Department of Agriculture and Consumer Services
Certified Registered Technician Pesticide Applicator Examination	Virginia Department of Agriculture and Consumer Services
Emergency Medical Responder Examination	Department of Health, Office of Emergency Medical Services
Emergency Medical Technician Examination	Department of Health, Office of Emergency Medical Services
FAA Private Pilot Written Test	Federal Aviation Administration
General Radiotelephone Operator (GRO) Examination	Federal Communications Commission (FCC)
Licensed Practical Nurse Examination	Virginia Board of Nursing
Nail Technician Examination	Board of Barbers and Cosmetology (Virginia Department of Professional and Occupational Regulation)
Real Estate Salesperson Examination	Virginia Real Estate Board (Virginia Department of Professional and Occupational Regulation)

PROFESSIONAL LICENSES	
NAME OF CREDENTIAL	ISSUING ORGANIZATION
<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 and Computer Applications</u>	The College Board
<u>College Level Examination Program (CLEP): Introductory Business Law</u>	The College Board
<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 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) Examination</u>	The International Baccalaureate Organization
<u>International Baccalaureate Design Technology (Standard Level) Examination</u>	The International Baccalaureate Organization

EXAMINATIONS NAME OF CREDENTIAL	ISSUING ORGANIZATION
<u>International Baccalaureate Business Management (Standard Level) Certificate</u>	The International Baccalaureate Organization
<u>International Baccalaureate Information Technology in a Global Society (Standard Level) Certificate</u>	The International Baccalaureate Organization
* International Baccalaureate Design Technology (Higher Level) Examination	The International Baccalaureate Organization
* International Baccalaureate Design Technology (Standard Level) Examination	The International Baccalaureate Organization

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