

2021-2022 BOARD OF EDUCATION APPROVED INDUSTRY CERTIFICATIONS, OCCUPATIONAL COMPETENCY ASSESSMENTS, AND PROFESSIONAL LICENSES

BOARD APPROVED / APRIL 22, 2021

One student-selected verified credit may be awarded for passing one certification or licensure examination when the student earns one standard unit of credit in a career and technical education concentration.

Two student-selected verified credits may be awarded for students who complete a career and technical education concentration and pass two certifications or licensure examinations. In accordance with [8VAC20-131-50. B.](#), requirements for the Standard Diploma (effective for students entering ninth grade prior to the 2018-2019 school year), the career and technical education industry certification verified credit requirement must first be substituted for the student-selected test⁵. The second industry certification may be substituted for either a laboratory science or history and social sciences verified credit. Any one certification or licensure examination identified in this document will satisfy the Standard Diploma graduation requirement for the career and technical education credential⁸. [8VAC20-131-50. C.](#), Students pursuing the Advanced Studies Diploma⁶ may utilize additional tests for earning verified credit in computer science, technology, career or technical education, economics or other areas as prescribed by the board in [8VAC20-131-110](#).

In accordance with [8VAC20-131-51. B.](#), requirements for the Standard Diploma (effective with the students who enter the ninth grade in the 2018-2019 school year and beyond), students who complete a career and technical education program sequence and pass more than one industry certification may substitute it for either a laboratory science or history and social science verified credit when the certification, license, or credential confers more than one verified credit. The examination or occupational competency assessment must be approved by the board as an additional test to verify student achievement.

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

In accordance with the Standards of Quality, students shall either (i) complete an Advanced Placement, honors, or International Baccalaureate course, or (ii) 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 or the advanced studies diploma requirements. The career and technical education credential, when required, could include the successful completion of an industry certification, state licensure examination, a national occupational competency assessment, or the Virginia workplace readiness assessment.

- Students are eligible to earn diploma seals by passing one of the credentials or licensure examinations in this document as well as completing the requirements set forth in [8VAC20-131-50. H. 3, 4](#) and [8VAC20-131-51. H. 3,4](#).

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

AGRICULTURAL EDUCATION	
NAME OF CREDENTIAL	ISSUING ORGANIZATION
Agricultural Biotechnology Assessment	NOCTI
Agriculture Mechanics Assessment	NOCTI
Agriculture Systems Technology I Examination	Precision Exams
Animal Science II Examination	Precision Exams
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
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
Ecology Conservation & Management Certification Examination	Ducks Unlimited (DU)
EETC Technician Certification Tests (pass any one test)	Equipment and Engine Training Council (EETC)

AGRICULTURAL EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION
Equine Management and Evaluation Certification Examination	National Horse Judging Team Coaches' Association (administered by CEV Multimedia)
Equine Science Examination	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
Horticulture/Landscaping Assessment	NOCTI
Landscape Management Certification Examination	Green Industry Web 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)
Power Equipment Technology Examination	SkillsUSA
Principles of Floral Design Certification Examination	Benz School of Floral Design (administered by CEV Multimedia)
Principles of Livestock Selection & Evaluation Certification Examination	National Collegiate Livestock Coaches Association (administered by CEV Multimedia)
Production Agriculture Assessment	NOCTI
Professional Communications Certification Examination	Southwest Airlines (administered by CEV Multimedia)

AGRICULTURAL EDUCATION	
NAME OF CREDENTIAL	ISSUING ORGANIZATION
Small Animal Science and Technology Assessment	NOCTI
Small Engine Technology Assessment	NOCTI
Turfgrass Management Certification Program Examination	Green Industry Web Portal
Urban Forestry Certification Test	Green Industry Web Portal
Veterinary Medical Applications Certification Examination	Elanco (administered by CEV Multimedia)

BUSINESS AND INFORMATION TECHNOLOGY	
NAME OF CREDENTIAL	ISSUING ORGANIZATION
A*S*K Fundamental Business Concepts Assessment	ASK Business Institute/MBA Research and Curriculum Center
Accounting—Advanced Assessment	NOCTI
Accounting—Basic Assessment	NOCTI
Administrative Assisting Assessment	NOCTI
Administrative Services Assessment	NOCTI
Adobe Certified Professional Examinations (pass any one exam)	Adobe Systems Inc.
App Development with Swift Level 1 Examination	Apple Inc.
* AWS Certified Cloud Practitioner Certification Examination	Amazon Web Services (AWS) (administered by PSI and Pearson VUE)
Banking and Related Services Assessment	NOCTI
Business Financial Management Assessment	NOCTI
Business Information Processing Assessment	NOCTI
* C++ Certified Entry-Level Programmer (CPE) Examination	C++ Institute

BUSINESS AND INFORMATION TECHNOLOGY NAME OF CREDENTIAL	ISSUING ORGANIZATION
Certified Associate in Python Programming (PCAP) Examination	OpenEDG Python Institute
Certified Electronic Health Record Specialist (CEHRS) Examination	National Healthcareer Association (NHA)
Certified Entry-Level Python Programmer (PCEP) Examination	OpenEDG Python Institute
Certified Internet Web (CIW) Advanced HTML5 and CSS3 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) E-Commerce Services 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) 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
Certified Internet Web (CIW) Web Security Specialist Examination	Certification Partners LLC
Certified Medical Administrative Assistant (CMAA) Examination	National Healthcareer Association (NHA)
Cloud Essentials+ Certification Examination	CompTIA
* CodeHS Level 1 Certification Examinations (pass any one)	CodeHS
Communication Skills for Business Examination	Certiport
Computer Programming Assessment	NOCTI

BUSINESS AND INFORMATION TECHNOLOGY NAME OF CREDENTIAL	ISSUING ORGANIZATION
Cyber Forensics Associate Examination	EC-Council
Ethical Hacking Associate Examination	EC-Council
Financial and Investment Planning Assessment	NOCTI
General Management Assessment	NOCTI
Human Resources Management Assessment	NOCTI
IC3 Digital Literacy Certification Examination	Certiport
Interactive Media Assessment	NOCTI
Intuit QuickBooks Certified User Certification Test	Certiport
* IT Fundamentals Pro Examination	TestOut Corp.
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
Microsoft Technology Associate (MTA) Examinations (pass any one exam)	Microsoft
Network+ Certification Examination	CompTIA
Network Pro Certification Examination	TestOut Corp.
Oracle Certified Foundations Associate Examinations (pass any one exam)	Oracle Academy
PC Pro Certification Examination	TestOut Corp.
Personal Financial Literacy Certification Examination	Center for Financial Responsibility (CFR)
Security Pro Certification Examination	TestOut Corp.

BUSINESS AND INFORMATION TECHNOLOGY	
NAME OF CREDENTIAL	ISSUING ORGANIZATION
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)

FAMILY AND CONSUMER SCIENCES EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION
Certified Fundamentals Pastry Cook Assessment	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 Baking Examination	SkillsUSA
Commercial Foods Assessment	NOCTI
Culinary Arts Assessment	American Association of Family and Consumer Sciences (AAFCS)
Culinary Arts Examination	SkillsUSA
Culinary Arts Prep Cook Assessment	NOCTI
Early Childhood Development and Services Assessment	NOCTI
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

FAMILY AND CONSUMER SCIENCES EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION
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)	National Occupational Competency Testing Institute (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 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)
Leadership Essentials Assessment	American Association of Family and Consumer Sciences (AAFCS)
Nutrition, Food, and Wellness Assessment	American Association of Family and Consumer Sciences (AAFCS)
ParaPro Assessment	Educational Testing Service
Personal Care Services Assessment	NOCTI

FAMILY AND CONSUMER SCIENCES EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION
Personal and Family Finance Certification Assessment	American Association of Family & Consumer Sciences (AAFCS)
Praxis Core Academic Skills for Educators Tests (pass all three tests) [Passing the Virginia Communication and Literacy Assessment (VCLA) Reading and Writing - may substitute for the Praxis Core Academic Skills for Educators Tests in Reading and Writing.]	Educational Testing Service Evaluation System Group of Pearson (for VCLA)
ProStart Certificate of Achievement Examinations (pass Level I and/or Level 2)	National Restaurant Association
Restaurant, Food and Beverage Services Assessment	NOCTI
ServSafe Food Protection Manager Certification Examination	National Restaurant Association

HEALTH AND MEDICAL SCIENCES EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION
AAPC Medical Coding Examinations (pass any one exam)	American Academy of Professional Coders (AAPC)
Certified Clinical Medical Assistant (CCMA) Examination	National Healthcareer Association (NHA)
Certified Coding and Billing Specialist (CBCS) Examination	National Healthcareer Association (NHA)
Certified Dental Assistant and National Entry Level Dental Assistant: Infection Control (ICE) Examination	Dental Assisting National Board Inc.
Certified Dental Assistant and National Entry Level Dental Assistant: Radiation Health & Safety (RHS) Examination	Dental Assisting National Board Inc.
Certified EKG Technician (CET) Examination	American Allied Health (AAH)
Certified EKG Technician (CET) Examination	National Healthcareer Association (NHA)

HEALTH AND MEDICAL SCIENCES EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION
Certified Emergency Telecommunicator Examination	International Academies of Emergency Dispatch (IAED)
Certified Group Fitness Instructor Examination	Athletics and Fitness Association of America
Certified Optometric Assistant (COA) Examination	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)
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)	National Healthcareer Association (NHA)

HEALTH AND MEDICAL SCIENCES EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION
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 and Biller (MCBC) Certification Examination	American Medical Certification Association (AMCA)
Medical Coding and Billing Specialist (MCBS) Examination	American Allied Health (AAH)
Mental Health Technician Certification (MHTC) Examination	American Medical Certification Association (AMCA)
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 Patient Care Technician (NCPCT) Examination	National Center for Competency Testing (NCCT)
National Certified Phlebotomy Technician (NCPT) Examination	National Center for Competency Testing (NCCT)
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)
Nationally 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)

HEALTH AND MEDICAL SCIENCES EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION
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)
Nurse Assisting Examination	SkillsUSA
Nursing Assisting Assessment	NOCTI
Patient Care Technician Certification (PCTC) Examination	American Medical Certification Association (AMCA)
* 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
Registered Medical Assistant (RMA) Examination	American Allied Health (AAH)
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)
Certified Hospitality and Tourism Management Professional Examination (Must Pass Level 1 and Level 2) (also listed in Family & Consumer Sciences Education)	American Hotel and Lodging Educational Institute (AHLEI)
Customer Service and Sales Certification Assessment	NRF Foundation
Entrepreneurship and Small Business (ESB) Examination	Intuit
Lodging Assessment	NOCTI
Recreation, Amusements, and Attractions Assessment	NOCTI
Retail Industry Fundamentals Certification Assessment	NRF Foundation
Retail Merchandising Assessment	NOCTI
Travel and Tourism Assessment	NOCTI

MILITARY SCIENCE	
NAME OF CREDENTIAL	ISSUING ORGANIZATION
<u>Armed Services Vocational Aptitude Battery Examination</u>	United States Military Entrance Processing Command

TECHNOLOGY EDUCATION	
NAME OF CREDENTIAL	ISSUING ORGANIZATION
<u>3D Visualization & Animation Examination</u>	SkillsUSA
<u>Additive Manufacturing Fundamentals Examination</u>	ToolingU-SME
<u>ArcGIS Desktop Entry Certification Examination</u>	Environmental Systems Research Institute (ESRI)
<u>Architectural Apprentice Drafter Examination</u> (also listed in Trade and Industrial Education)	American Design Drafting Association (ADDA)
<u>Architectural Certified Drafter Examination</u> (also listed in Trade and Industrial Education)	American Design Drafting Association (ADDA)
<u>Architectural Drafting Assessment</u>	NOCTI
<u>Architectural Drafting Examination</u>	SkillsUSA
<u>Autodesk Certified Professional Examinations</u> (Pass any one exam)	Autodesk
<u>Autodesk Certified User Examinations</u> (pass any one exam)	Autodesk
<u>Automated Manufacturing Technology Examination</u>	SkillsUSA
<u>Biotechnology Assessment</u>	NOCTI
<u>Business Certificate for Manufacturing Examination</u>	Manufacturing Skills Institute
<u>Certified Logistics Associate (CLA) Examination</u>	Manufacturing Skills Standards Council (MSSC)
<u>Certified Logistics Technician (CLT) Associate Examination</u>	Manufacturing Skills Standards Council (MSSC)
<u>Certified Robot-Operator 1 Assessment</u>	FANUC America Corp.

TECHNOLOGY EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION
Certified SOLIDWORKS Associate (CSWA) Examination	SOLIDWORKS Corp.
Digital Video Editor (DVE) Examination	Electronics Technicians Association (ETA), International
Electronics Application/Electronics Technology Examination	SkillsUSA
Electronics Technology Assessment	NOCTI
Energy Industry Fundamentals Certificate Assessment	Center for Energy Workforce Development
Engineering Technology Examination	SkillsUSA
* FAA Remote Pilot-Small Unmanned Aircraft Systems Certification Examination	PSI/Ture Talent Enterprise
Laboratory Technician Certification Examination	Manufacturing Skills Institute (MSI)
Logistics Technology/Distribution Center Services Assessment	NOCTI
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
Performing Arts Assessment (also listed in Trade and Industrial Education)	NOCTI

TECHNOLOGY EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION
Pre-Engineering Certification Examinations	Robotics Education Competition (REC) Foundation-Hostedware Corp.
Pre-Engineering/Engineering Technology Assessment	NOCTI
Pre-Manufacturing Technician 1 (PreMT1) 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 and Automation Examination	SkillsUSA
Robotics Certification Examinations	Robotics Education Competition Foundation (RECF)
* Smart Manufacturing and Advanced Robotics Training (SMART) Certification	Carnegie Mellon Robotics Academy
Spatial Projects and Community Exchange (SPACE) Examination	Digital Quest Inc.
Spatial Technology and Remote Sensing (STARS) Certification Examination	Digital Quest Inc.
Stratasys Additive Manufacturing Certification–Level 1 Examination	Stratasys
Technical Drafting Examination	SkillsUSA
Unity Certified User Examinations (pass any one)	Unity Technologies

TRADE AND INDUSTRIAL EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION
A+ Certification Examination	CompTIA
Advertising and Design Assessment	NOCTI
Air Conditioning Employment Ready Examination	HVAC Excellence
Air Cooled 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 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-Radio Production Examination	SkillsUSA
Audio-Visual Communications Assessment	NOCTI
Automotive Technician-Advanced Assessment	NOCTI
Automotive Technician-Core Assessment	NOCTI
Avid Certified Professional for Media Composer Certification Examination	Avid
Avid Certified User for Media Composer Certification Examination	Avid
Basic Refrigeration & Charging Procedures Employment Ready Examination	HVAC Excellence
Broadcasting and Journalism Assessment	NOCTI
Building Construction Occupations Assessment	NOCTI
Building Trades Maintenance Assessment	NOCTI

TRADE AND INDUSTRIAL EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION
Cabinetmaking Assessment	NOCTI
Cabinetmaking Examination	SkillsUSA
CAD Assessment	NOCTI
CAD/CAM Assessment	NOCTI
Carbon Monoxide and Combustion Analysis Employment Ready Examination	HVAC Excellence
Carbon Monoxide Safety Employment Ready Examination	HVAC Excellence
Carpentry Assessment	NOCTI
Carpentry Examination	SkillsUSA
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)
Certified Production Technician Program Examinations (pass any one exam)	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 (CTO) 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.
Cisco Certified Networking Professional (CCNP) Automation for Cisco Enterprise Solutions Examination	Cisco Systems Inc.

TRADE AND INDUSTRIAL EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION
Cisco Certified Networking Professional (CCNP) Cisco SD-WAN Solutions Examination	Cisco Systems Inc.
Cisco Certified Networking Professional (CCNP) Designing Enterprise Wireless Networks Examination	Cisco Systems Inc.
Cisco Certified Networking Professional (CCNP) Implementing Cisco Enterprise Advanced Routing and Services Examination	Cisco Systems Inc.
Cisco Certified Networking Professional (CCNP) Implementing and Operating Enterprise Network Core Technologies Examination	Cisco Systems Inc.
Cisco Certified Networking Professional (CCNP) Implementing Enterprise Wireless Networks Examination	Cisco Systems Inc.
CNC Milling and Turning Examination	SkillsUSA
Collision Repair and Refinishing Technology Assessment	NOCTI
Collision Repair Assessment	NOCTI
Combustion Appliance Zone Employment Ready Examination	HVAC Excellence
Computer Maintenance Technology Examination	SkillsUSA
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)

TRADE AND INDUSTRIAL EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION
Core: Introductory Craft Skills Entry-Level Assessment	National Center for Construction Education & Research (NCCER)
Cosmetology Assessment	NOCTI
Cosmetology Examination	SkillsUSA
Criminal Justice and CSI Examination	SkillsUSA
Criminal Justice Assessment	NOCTI
Customer Service Examination	SkillsUSA
Customer Service Specialist (CSS) Examination	Electronics Technicians Association (ETA) International
Cybersecurity Analyst (CSA+) Examination	CompTIA
Data Cabling Installer (DCI) Examination	Electronics Technicians Association (ETA) International
Design and Pre-Construction Assessment	NOCTI
Diesel Technology Assessment	NOCTI
Electric Heat Employment Ready Examination	HVAC Excellence
Electric Power and Distribution Assessment	NOCTI
Electrical Construction Technology Assessment	NOCTI
Electrical Construction Wiring (Residential Wiring) Examination	SkillsUSA
Electrical Employment Ready Examination	HVAC Excellence
Electrical Occupations Assessment	NOCTI
Electrician Level One Entry-Level Assessment	National Center for Construction Education & Research (NCCER)
Electronics Assessment	NOCTI
Electronics Module: AC (EM2) Examination	Electronics Technicians Association (ETA) International

TRADE AND INDUSTRIAL EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION
Electronics Module: Analog (EM3) Examination	Electronics Technicians Association (ETA) International
Electronics Module: Comprehensive Basic (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
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 Examination	Virginia Department of Fire Programs
Firefighter II Certification Examination	Virginia Department of Fire Programs
Flux Core Arc Welding (FCAW) Examination	American Welding Society (AWS)
Fuel Oil Combustion Employment Ready Examination	HVAC Excellence
Fundamentals of Construction Assessment	NOCTI
Gas Heat Employment Ready Examination	HVAC Excellence
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	National Occupational Competency Testing Institute (NOCTI)
HBI Pre-Apprenticeship Certificate Training (PACT) Assessments (Pass	Home Builders Institute (HBI) (administered by NOCTI)

TRADE AND INDUSTRIAL EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION
any one)	
HBI/NAHB Residential Construction Academy (RCA) Series Student Certification Assessments (Pass any one exam)	Home Builders Institute (HBI) (administered by NOCTI)
Heat Pump Employment Ready Examination	HVAC Excellence
Heating, Electrical, Air Conditioning Technology (HEAT) Examination	HVAC Excellence
Heating, Ventilation, Air Conditioning & Refrigeration (HVAC/R) Assessment	NOCTI
Heating, Ventilation, Air Conditioning (HVAC) Assessment	NOCTI
Heavy Equipment Operator Level One Entry-Level Assessment	National Center for Construction Education & Research (NCCER)
HVAC Level One Entry-Level Assessment	National Center for Construction Education & Research (NCCER)
ICC Certificates of Completion Examinations (pass any one exam)	International Code Council (ICC)
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)

TRADE AND INDUSTRIAL EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION
International Code Council Residential Plumbing Inspector (P1) Examination	International Code Council (ICC)
Internetworking Examination	SkillsUSA
IT Fundamentals+ (ITF+) Certification Examination	CompTIA
Legal Services Assessment	NOCTI
Light Commercial Refrigeration Employment Ready Examination	HVAC Excellence
Machining-Level 1 Examinations (pass any one exam with performance component)	National Institute for Metalworking Skills (NIMS)
Maintenance Operations Assessment	NOCTI
Marine Service Technician (Inland and Coastal-Core) Assessment	The American Boat & Yacht Council (ABYC) (administered by NOCTI)
Marine Service Technology Examination	SkillsUSA
Masonry Examination	SkillsUSA
Masonry Level One Entry-Level 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
Motorcycle Service Technology Examination	SkillsUSA
Nail Care Examination	SkillsUSA

TRADE AND INDUSTRIAL EDUCATION NAME OF CREDENTIAL	ISSUING ORGANIZATION
Natural Gas Combustion Employment Ready Examination	HVAC Excellence
Network Cabling Specialist Certification Examinations	C-Tech Associates Inc.
Non-Structural Technician-ProLevel 1 Certification Test	ICAR
Official Motor Vehicle Inspector Examination	Virginia State Police
Performing Arts Assessment (also listed in Technology Education)	NOCTI
Photography Examination	SkillsUSA
Photovoltaic Installer-Level 1 (PV11) Examination	Electronics Technicians Association (ETA) International
Plumbing Assessment	NOCTI
Plumbing Examination	SkillsUSA
Plumbing-Heating-Cooling Contractors Educational Foundation Examinations (pass any one exam)	Plumbing-Heating-Cooling Contractors (PHCC) Educational Foundation (administered by NOCTI)
Plumbing Level One Entry-Level Assessment	National Center for Construction Education & Research (NCCER)
Precision Machining Assessment	NOCTI
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-ProLevel 1 Certification Test	ICAR
Residential & Light Commercial Hydronic Heat Employment Ready Examination	HVAC Excellence
Security and Protective Services Assessment	NOCTI
SENSE Training Program Certification Examination (Level 1, Entry-Level Welder)	American Welding Society (AWS)

TRADE AND INDUSTRIAL EDUCATION	
NAME OF CREDENTIAL	ISSUING ORGANIZATION
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)
Student Electronics Technician (SET) Examination	Electronics Technicians Association (ETA) International
Technical Drafting Assessment	NOCTI
Technical Theater Assessment	NOCTI
Telecommunications Electronics Technician (TCM) Examination	Electronics Technicians Association (ETA) International
Television Production Assessment	NOCTI
Television Video Production Examination	SkillsUSA
Visual Arts Assessment	NOCTI
Visual Communications and Interactive Media Design Assessment	NOCTI
Welding Assessment	NOCTI
Welding Examination	SkillsUSA
Welding Level One Entry-Level Assessment	National Center for Construction Education & Research (NCCER)

PROFESSIONAL LICENSES	
NAME OF CREDENTIAL	ISSUING ORGANIZATION
Barbers Examination	Board of Barbers and Cosmetology (Virginia Department of Professional and Occupational Regulation)

PROFESSIONAL LICENSES	
NAME OF CREDENTIAL	ISSUING ORGANIZATION
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)
Virginia Cosmetology Examination	Board of Barbers and Cosmetology (Virginia Department of Professional and Occupational Regulation)

EXAMINATIONS	
NAME OF CREDENTIAL	ISSUING ORGANIZATION
Advanced Placement (AP) Computer Science A Examination	The College Board

EXAMINATIONS	
NAME OF CREDENTIAL	ISSUING ORGANIZATION
<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) Examination</u>	The International Baccalaureate Organization
<u>International Baccalaureate Computer Science (Standard Level) Examination</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
<u>International Baccalaureate for Business and Management (Standard Level) Examination</u>	The International Baccalaureate Organization
<u>International Baccalaureate Information Technology in a Global Society (Standard Level) Examination</u>	The International Baccalaureate Organization

DELETIONS-BUSINESS AND INFORMATION TECHNOLOGY	
NAME OF CREDENTIAL	ISSUING ORGANIZATION
Oracle Certified Associate Examinations (pass any one)	Oracle Academy

DELETIONS-BUSINESS AND INFORMATION TECHNOLOGY	
NAME OF CREDENTIAL	ISSUING ORGANIZATION
Oracle Database Design and Programming with SQL Examination	Oracle Academy
Oracle Programming with PL/SQL Examination	Oracle Academy
Financial and Managerial Accounting Assessment	NOCTI
Desktop Publishing Certification-3D MAX Test	Brainbench
Network Administration Certification Test (pass any one test)	Brainbench
Technical Support Certification Test (pass any one test)	Brainbench
Certified Internet Web (CIW) Web Design Specialist Examination	Certification Partners LLC

DELETIONS-MARKETING	
NAME OF CREDENTIAL	ISSUING ORGANIZATION
Fashion Merchandising Assessment	NOCTI

DELETIONS-TRADE AND INDUSTRIAL EDUCATION	
NAME OF CREDENTIAL	ISSUING ORGANIZATION
Criminal Justice Advanced Assessment	NOCTI
Building Science Principles Examination	Building Performance Institute
Mobile Electronics Certified Professional (MECP) Basic Installation Technician Examination	Consumer Technology Association (CTA)

DELETIONS-PROFESSIONAL LICENSES	
NAME OF CREDENTIAL	ISSUING ORGANIZATION
Virginia Pharmacy Technician Examination	Virginia Board of Pharmacy