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DOE Code	Certification/ Credential Title	Issuing Organization/Provider	Certification Description	Written Exam Requirements	Other Requirements (Age, Program Completion, etc.)	Work Experience	Additional Information	Agency Website	New to List or New Funding Eligible Status
HVACE006	HVAC Excellence Employment Ready - Gas Heat	HVAC Excellence	HVAC Excellence Employment Ready Gas Heat certification measures users' knowledge and skills in combustion theory, electrical troubleshooting, furnace installation & service, furnace troubleshooting, heating safety, heating system & components.	1 exam required; 100 questions	None	None	None	<a href="http://www.hvacexcellence.org">www.hvacexcellence.org</a>	
HVACE011	HVAC Excellence Employment Ready - Electrical	HVAC Excellence	HVAC Excellence Employment Ready Electrical certification measures knowledge and skills in components, meter usage, safety, theory, troubleshooting, fundamentals of motors and capacitors, interpreting electrical diagrams.	1 exam required; 100 questions	None	None	None	<a href="http://www.hvacexcellence.org">www.hvacexcellence.org</a>	
HVACE015	HVAC Excellence Professional Level - Heat Pump Service	HVAC Excellence	The HVAC Excellence Professional Level - Heat Pump Service exam covers components, controls, heat pump cycle, service, theory, interpreting heat pump schematics, and troubleshooting.	2 exams required: Principles of Electrical and Refrigeration Theory (Core exam) and Heat Pump Service exam. Each exam has 100 questions.	The Heat Pump Service Professional Level Exams requires 2 years of verified field experience prior to taking the exams.	None	None	<a href="https://www.esccogroup.org/certification/professional.aspx">https://www.esccogroup.org/certification/professional.aspx</a>	
IASSC001	IASSC Certified Black Belt	International Association For Six Sigma Certification	This certification tests the candidate's understanding of the IASSC Black Belt Lean Six Sigma Body of Knowledge™, which includes the primary sections of Define, Measure, Analyze, Improve and Control. Each section is broken down into sub-categories consisting of individual subject matter topics.	1 exam required; 150 question, closed book, proctored exam, 4 hours. A minimum passing score is 580 points out of 750 points.	None	None	Lean Six Sigma training obtained through a qualified institution, Lean Six Sigma trainer or corporate program is recommended, but not required. Real-world Lean Six Sigma work experience and project application experience is recommended, but not required.	<a href="http://www.iassc.org/six-sigma-certification">www.iassc.org/six-sigma-certification</a>	
ICOEC002	Certified Ethical Hacker (CEH)	EC-Council	The Certified Ethical Hacker (CEH) certification measures users' knowledge and skills to undertake an attempt to penetrate networks and/or computer systems using the same methods and techniques as a Hacker.	1 exam required; 125 multiple choice questions; 4 hours; minimum score of 70% or higher	Individuals must have completed an approved training program or have two years of information security related experience.	None	None	<a href="http://www.eccouncil.org/">www.eccouncil.org/</a>	
ICOEC003	Computer Hacking Forensic Investigator (CHFI)	EC-Council	The Computer Hacking Forensic Investigator (CHFI) certification measures users' knowledge and skills in detecting hacking attacks and properly extracting evidence to report the crime and conduct audits to prevent future attacks including methods for discovering data that resides in computer systems and recovering deleted, encrypted, or damaged file information.	1 exam required; 150 multiple choice questions; 4 hours; minimum score of 70% or higher	Individuals must have completed an approved training program or have two years of information security related experience.	None	None	<a href="http://www.eccouncil.org/">www.eccouncil.org/</a>	
ICOEC004	Certified Security Analyst (ECSA)	EC-Council	The Certified Security Analyst (ECSA) certification measures users' knowledge and skills in advanced uses of the LPT methodologies, tools and techniques required to perform comprehensive information security tests. ECSAs design, secure and test networks to protect organizations from the threats.	1 exam required; 50 multiple choice questions; 2 hours; minimum score of 70% or higher	Individuals must have completed an approved training program or have two years of information security related experience.	None	None	<a href="http://www.eccouncil.org/">www.eccouncil.org/</a>	
ICOEC007	EC-Council Certified Incident Handler (ECIH)	EC-Council	The EC-Council Certified Incident Handler (ECIH) certification exam tests competencies in incident response and handling; process handling; forensic readiness and first response; email security incidents; application level incidents; network & mobile incidents; insider threats; malware incidents; incidents occurred in a cloud environment.	1 exam required. 100 Questions, 3 hours, multiple choice; exam code 212-89; EC-Council Exam Portal	Exam candidate should have 1 year of information security related experience or should attend official training.	None	None	<a href="https://www.eccouncil.org/programs/ec-council-certified-incident-handler-ecih/">https://www.eccouncil.org/programs/ec-council-certified-incident-handler-ecih/</a>	
ICOEC008	EC-Council Certified Network Defender (CND)	EC-Council	The Certified Network Defender (CND) certification tests competencies in protecting, detecting and responding to the threats on the network. Network administrators are usually familiar with network components, traffic, performance and utilization, network topology, location of each system, security policy, etc.	1 exam required. 100 Questions, 4 hours, Multiple choice, Exam Prefix: 312-38 (ECC EXAM)	Exam candidate should have 2 years of information security related experience or should attend official training.	None	None	<a href="https://www.eccouncil.org/programs/certified-network-defender-cnd/">https://www.eccouncil.org/programs/certified-network-defender-cnd/</a>	
ICOEC009	EC-Council Certified Security Operations Center (SOC) Analyst (CSA)	EC-Council	The Certified SOC Analyst (CSA) certification tests competencies in security operations and management; understanding cyber threats, IoCs, and attack methodology; incidents, events, and logging; incident detection with security information and event management (SIEM); enhanced incident detection with threat intelligence; and incident response.	1 exam required. 100 questions; 3 hours; multiple choice; minimum passing score of 70%; EC-Council Exam Portal; Exam code 312-39	Exam candidate should have 1 year of information security related experience or should attend official training.	None	None	<a href="https://www.eccouncil.org/programs/certified-soc-analyst-csa/">https://www.eccouncil.org/programs/certified-soc-analyst-csa/</a>	
IECON001	Field Service Engineer - Low Voltage Systems	Independent Electrical Contractors	The Field Service Engineer - Low Voltage Systems certification measures users' knowledge and skills in intro to electronics; fire alarm systems; nurse call systems; security systems; audio and sound systems; wireless broadband networks; building automation; intro to fiber optics; intro to structured cabling; mass notification – exterior; and emerging technologies.	1 exam required; 4 hours	None	None	None	<a href="http://www.iecfwcc.org">www.iecfwcc.org</a>	
IECON002	Field Service Engineer - Voice-Data-Video	Independent Electrical Contractors	The Field Service Engineer - Voice-Data-Video certification measures users' knowledge and skills in intro to structured cabling systems; intermediate structured cabling systems; intro to optical fiber; intro to networking and telephone systems; wireless and broadband networks; tv systems (CAT 5); CCTV security systems; and emerging technologies.	1 exam required; 4 hours	None	None	None	<a href="http://www.iecfwcc.org">www.iecfwcc.org</a>	
IECON003	Journeyman Electrician	Independent Electrical Contractors	The Journeyman Electrician certification measures users' knowledge and skills in electrical theory & national electric code (NEC); commercial & industrial installations & service; commercial motor control and/or service residential installations; and site & slab work.	1 exam required; 4 hours	None	None	None	<a href="http://www.iecfwcc.org">www.iecfwcc.org</a>	
IECON004	Residential Wireman	Independent Electrical Contractors	The Residential Wireman certification measures users' knowledge and skills in residential wiring, residential finish work, general lighting and service installation, troubleshooting, and residential telecommunications.	1 exam required; 4 hours	None	None	None	<a href="http://www.iecfwcc.org">www.iecfwcc.org</a>	
IISSC001	CISSP- Information Systems Security Management Professional (CISSP-ISSMP)	International Information Systems Security Certification Consortium, Inc.	The CISSP- Information Systems Security Management Professional (CISSP-ISSMP) certification measures users' knowledge and skills in project management, risk management, setting up and delivering a security awareness program, and managing a business continuity planning program.	1 exam required	None	The current requirements for the ISSMP call for four years of work experience in one or more of the ten domains of the CISSP CBK, or three years of experience with an applicable college degree or a credential from the (ISC) approved list.	None	<a href="http://www.isc2.org">www.isc2.org</a>	
IISSC002	Systems Security Certified Practitioner (SSCP)	International Information Systems Security Certification Consortium, Inc.	The Systems Security Certified Practitioner (SSCP) certification measures users' knowledge and skills in access controls, security operations and administration, monitoring and analysis, risk, response and recovery, cryptography, networks and communications, and malicious code and activity.	1 exam required; minimum score of 700 points or greater required	None	None	None	<a href="http://www.isc2.org">www.isc2.org</a>	



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IISSC003	Certified Cyber Forensics Professional (CCFP)	International Information Systems Security Certification Consortium, Inc.	The Certified Cyber Forensics Professional (CCFP) certification measures users' knowledge and skills in mobile forensics, cloud forensics, and anti-forensics in law enforcement to support criminal investigations, cybercrime and cyber security professionals working in the public or private sectors, computer forensic engineers and managers working in corporate information security, digital forensic and e-discovery consultants focused on litigation support, cyber intelligence analysts working for defense/intelligence agencies, and computer forensic consultants working for management or specialty consulting firms.	1 exam (CCFP) required; 125 questions; 4 hours; minimum score of 700 or higher required	None	Individuals with a four-year college degree leading to a Baccalaureate must demonstrate three years of full time digital forensics or IT security experience in three out of the six domains of the credential. Individuals who do not hold a four-year college degree leading to a Baccalaureate, must have six years of full time digital forensics or IT security experience in three out of the six domains of the credential. One year of the work experience may be waived for Individuals without a 4 year degree, who have earned an alternate forensics certification on the (ISC)2 approved list. Individuals may sit for the exam before completing the work experience requirement and are issued the Associate of (ISC)2 for CCFP until they have documented the work experience.	None	<a href="http://www.isc2.org">www.isc2.org</a>	
IISSC004	Certified Information Systems Security Professional (CISSP)	International Information Systems Security Certification Consortium, Inc.	The Certified Information Systems Security Professional (CISSP) certification measures users' knowledge and skills to design, engineer, implement, and manage their overall information security program to protect organizations from growing sophisticated attacks.	1 exam (CISSP) required; 250 questions; 6 hours; minimum score of 700 or higher required	None	Individuals must demonstrate five years of full time paid work experience in two of the ten domains. One year of the work experience may be waived for Individuals with a 4 year degree. Individuals may sit for the exam before completing the work experience requirement and are issued the Associate of (ISC)2 for CISSP until they have documented the work experience.	None	<a href="http://www.isc2.org">www.isc2.org</a>	
INSOC002	Certified Automation Professional (CAP)	International Society of Automation	The Certified Automation Professional (CAP) certification measures users' knowledge and skills for the direction, definition, design, development/application, deployment, documentation, and support of systems, software, and equipment used in control systems, manufacturing information systems, systems integration, and operational consulting.	1 exam required	None	Ten (10) years of work in the automation field. One (1) year of work experience means 1,500 hours of active employment. A cumulative total of 15,000 hours of documented work experience is required during the ten (10) year period prior to application date. An Associate Degree in automation or a related technology from an accredited educational institution will count as two (2) years of work experience.	None	<a href="http://www.isa.org">www.isa.org</a>	
INSOC005	Certified Control Systems Technician (CCST) - Level 3	International Society of Automation	The Certified Control Systems Technician (CCST) certification measures users' knowledge and skills for the calibration, documentation, troubleshooting, and repair/replacement of instrumentation for systems that measure and control level, temperature, pressure, flow, and other process variables in the field of automation.	1 exam required	None	A thirteen-year total of education, training, and/or experience. The following elements may be used to satisfy this requirement: A registered apprenticeship in an instrumentation, measurement and control, electronics, electrical, and/or mechanical program, if applicable. Academic degree (or equivalent) in a related technology area, to a maximum of four years. Related work experience, including at least five years in instrumentation/measurement and control.	None	<a href="http://www.isa.org">www.isa.org</a>	
JCAHO001	Certified Ophthalmic Medical Technologist (COMT)	Joint Commission on Allied Health Personnel in Ophthalmology (JCAHPO)	The Certified Ophthalmic Technician certification measures users' knowledge and skills to assist ophthalmologists by performing ophthalmic clinical functions and ophthalmic photography, provide instruction and supervision to other ophthalmic personnel, and assist with minor surgical procedures, applying aseptic techniques and preparing instruments. COMTs may perform eye exams, administer eye medications, and instruct patients in care and use of corrective lenses.	1 (2-part) exam required; Written test: 160 multiple choice questions; 3 hours; Performance Test: 5-12 skill areas	None	None	None	<a href="http://www.jcahpo.org/certification/">www.jcahpo.org/certification/</a>	
JCAHO002	Certified Ophthalmic Technician (COT)	Joint Commission on Allied Health Personnel in Ophthalmology (JCAHPO)	The Certified Ophthalmic Technician certification measures users' knowledge and skills to assist ophthalmologists by performing ophthalmic clinical functions including administering eye exams, administering eye medications, and instructing the patient in care and use of corrective lenses.	1 (2-part) exam required; Written test: 200 multiple choice questions; 3 hours; Skill Evaluation: 7 skills; 2 hours	None	None	None	<a href="http://www.jcahpo.org/certification/">www.jcahpo.org/certification/</a>	
MANSI001	Manufacturing Technician 1 (MT1)	Manufacturing Skills Institute (MSI)	The MT1 certification measures users' knowledge and skills in CAD skills, computer controlled machine programming, precision measurement, process and machine trouble-shooting, problem-solving, machine maintenance and proficient use of diagnostic and statistical tools.	1 exam required: 3 Modules; minimum score of 75% required of all three MT1 certificate modules	None	None	None	<a href="https://www.microsoft.com/en-us/learning/default.aspx">https://www.microsoft.com/en-us/learning/default.aspx</a>	

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MICRO052	Microsoft Certified Trainer (MCT)	Microsoft Corporation	The Microsoft Certified Trainer (MCT) certifies readiness of individuals to be Microsoft authorized to deliver training that is based on Official Microsoft Learning Products or Microsoft Dynamics Learning Products for the MCT program.	1 exam required	Before an individual can apply to become a Microsoft Certified Trainer (MCT), they must acquire either one of the Microsoft Certified Professional (MCP) certifications or a Microsoft Dynamics qualifier for the MCT program.	None	None	<a href="http://www.microsoft.com/learning">www.microsoft.com/learning</a>	
MICRO082	Microsoft Certified Solutions Associate (MCSA) - SQL Server 2012	Microsoft Corporation	The Microsoft Certified Solutions Associate (MCSA) - SQL Server 2012 certification measures users' knowledge and skills in creating database objects; working with data; modifying data; and troubleshooting and optimizing.	3 exams required (Exam 461-Querying Microsoft SQL Server 2012, Exam 462-Administering a Microsoft SQL Server 2012 Database and Exam 463-Implementing Data Warehouse with Microsoft SQL Server 2012)	None	None	None	<a href="http://www.microsoft.com/learning/en/us/default.aspx">www.microsoft.com/learning/en/us/default.aspx</a>	
MICRO107	Microsoft Certified Solutions Expert (MCSE) - Data Management and Analytics	Microsoft Corporation	The Microsoft Certified Solutions Expert (MCSE) - Data Management and Analytics certification measures broad skills in SQL administration, building enterprise-scale data solutions and leveraging business intelligence data – both on-premises and in cloud environments.	1 exam required	Must first earn MCSA in SQL Server 2012/2014; or SQL 2016 Database Administration, Database Development, BI Development, Machine Learning, BI Reporting or Data Engineering with Azure.	Work experience is recommended, and varies depending on the specific exam. Visit the website for more specific information.	None	<a href="https://www.microsoft.com/en-us/learning/mcse-data-management-analytics.aspx">https://www.microsoft.com/en-us/learning/mcse-data-management-analytics.aspx</a>	
MICRO111	Microsoft Certified Solutions Developer (MCSD) - App Builder	Microsoft Corporation	The Microsoft Certified Solutions Developer (MCSD) - App Builder certification measures skills needed to build modern mobile and/or web applications and services.	1 exam required	Must first earn MCSA certification in either Web Applications or Universal Windows Platform.	Work experience is recommended, and varies depending on the specific exam. Visit the website for more specific information.	None	<a href="https://www.microsoft.com/en-us/learning/mcsd-app-builder-certification.aspx">https://www.microsoft.com/en-us/learning/mcsd-app-builder-certification.aspx</a>	
MICRO116	Windows Server Administration Fundamentals	Microsoft Corporation	The Windows Server Administration Fundamentals exam tests competencies in server installation, server roles, storage, active directory, server performance management, and server maintenance. Candidates for this exam are familiar with the concepts and the technologies of Windows Server administration. Candidates should have some hands-on experience with Windows Server, Windows-based networking, Active Directory, account management, and system recovery tools and concepts.	Requires 1 exam: Exam 98-365: Windows Server Administration Fundamentals	None	None	None	<a href="http://www.microsoft.com/learning/en/us/default.aspx">www.microsoft.com/learning/en/us/default.aspx</a>	
MICRO117	Microsoft 365 Certified: Enterprise Administrator Expert	Microsoft Corporation	The Microsoft 365 Certified: Enterprise Administrator Expert certification exam measures skills in the design and implementation of Microsoft 365 services, management of user identity and roles, management of access and authentication, planning Office 365 workloads and applications, implementing modern device services, implementing security and threat management, and managing governance and compliance.	Requires 3 exams: a prerequisite exam (see website for options), Microsoft 365 Identity and Services, and Microsoft 365 Mobility and Security.	None	None	None	<a href="http://www.microsoft.com/learning/en/us/default.aspx">www.microsoft.com/learning/en/us/default.aspx</a>	
MICRO118	Microsoft 365 Certified: Modern Desktop Administrator Associate	Microsoft Corporation	The Microsoft 365 Certified: Modern Desktop Administrator Associate certification exam tests competencies in deploying, configuring, securing, managing, and monitoring devices and client applications in an enterprise environment.	Requires 2 exams: Windows 10 and Managing Modern Desktops.	None	None	None	<a href="http://www.microsoft.com/learning/en/us/default.aspx">www.microsoft.com/learning/en/us/default.aspx</a>	
MICRO119	Microsoft 365 Certified: Security Administrator Associate	Microsoft Corporation	The Microsoft 365 Security Administrator Associate certification exam tests competencies in securing Microsoft 365 enterprise and hybrid environments, implementing and managing security and compliance solutions, responding to threats, and enforcing data governance.	Requires 1 exam: Microsoft 365 Security Administration (MS-500)	None	None	None	<a href="http://www.microsoft.com/learning/en/us/default.aspx">www.microsoft.com/learning/en/us/default.aspx</a>	
MICRO120	Microsoft Certified: Azure Administrator Associate	Microsoft Corporation	The Microsoft Certified: Azure Administrator Associate certification exam tests competencies in implementing, managing, and monitoring identity, governance, storage, compute, and virtual networks in a cloud environment, plus provision, size, monitor, and adjust resources, when needed. An Azure Administrator often serves as part of a larger team dedicated to implementing your organization's cloud infrastructure. A candidate for this certification should have at least six months of hands-on experience administering Azure, along with a strong understanding of core Azure services, Azure workloads, security, and governance. In addition, this role should have experience using PowerShell, Azure CLI, Azure portal, and Azure Resource Manager templates.	1 exam required : Microsoft Azure Administrator (AZ-104)	None	None	None	<a href="http://www.microsoft.com/learning/en/us/default.aspx">www.microsoft.com/learning/en/us/default.aspx</a>	
MICRO121	Microsoft Certified: Azure AI Engineer Associate	Microsoft Corporation	Candidates for the Azure AI Engineer Associate certification should have subject matter expertise using cognitive services, machine learning, and knowledge mining to architect and implement Microsoft AI solutions involving natural language processing, speech, computer vision, and conversational AI. Responsibilities for this role include analyzing requirements for AI solutions, recommending the appropriate tools and technologies, and designing and implementing AI solutions that meet scalability and performance requirements.	1 exam required : Designing and Implementing an Azure AI Solution (AI-100)	None	None	None	<a href="http://www.microsoft.com/learning/en/us/default.aspx">www.microsoft.com/learning/en/us/default.aspx</a>	
MICRO122	Microsoft Certified: Power Platform Developer Associate	Microsoft Corporation	Candidates for the Microsoft Power Platform Developer Associate certification design, develop, secure, and troubleshoot Power Platform solutions. They implement components of the solution that include application enhancements, custom user experience, system integrations, data conversions, custom process automation, and custom visualizations. Candidates must have strong applied knowledge of Power Platform services, as well as an in-depth understanding of their capabilities, boundaries, and constraints. They should have a basic understanding of DevOps practices for Power Platform. Development experience should include Power Platform services, JavaScript, JSON, TypeScript, C#, HTML, .NET, Microsoft Azure, Microsoft 365, RESTful web services, ASP.NET, and Power BI.	1 exam required: Microsoft Power Platform Developer (PL-400)	None	None	None	<a href="http://www.microsoft.com/learning/en/us/default.aspx">www.microsoft.com/learning/en/us/default.aspx</a>	
MSSCN001	MSSC Certified Production Technician (CPT)	Manufacturing Skills Standards Council (MSSC)	The MSSC Certified Production Technician (CPT) certification measures knowledge and skills to demonstrate mastery of the core competencies for manufacturing production at the front-line (entry-level through front-line supervisor).	4 exams required; 80-90 questions each; 90 minutes each	None	None	None	<a href="http://www.msscusa.org">www.msscusa.org</a>	
MSSCN002	MSSC Certified Logistics Technician (CLT)	Manufacturing Skills Standards Council (MSSC)	The Certified Logistics Technician (CLT) Certification measures knowledge and skills in product receiving, product storage, order processing, packaging and shipment, inventory control, safe handling of hazmat materials, evaluation of transportation modes, dispatch and tracking, and measurements and metric conversions.	1 exam required; 96 multiple choice questions; 120 minutes	Individuals must already have their Certified Logistics Associate (CLA) Certificate.	None	None	<a href="http://www.msscusa.org">www.msscusa.org</a>	
NASME001	NASM Certified Personal Trainer (CPT)	National Academy of Sports Medicine	The National Academy of Sports Medicine - Certified Professional Trainer certification measures individual's ability to perform individualized assessments, and design safe exercise and conditioning programs that are scientifically valid and based on clinical evidence.	1 exam required; 2 hour time limit with 120 test questions, in which 20 are research questions and do not count toward or against the final score. A passing score is 70% or better.	Must have a high school diploma or equivalent. Must have current Emergency Cardiac Care (CPR) and Automated External Defibrillator (AED) Certification prior to sitting for the exam (not required to purchase the CPT).	None	None	<a href="http://www.nasm.org">www.nasm.org</a>	

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NATEX001	Air Conditioning Service Technician	North American Technician Excellence	The Air Conditioning Service Technician certification measures knowledge and skills in installation, service, maintenance, and repair of HVAC systems, with a focus on service. System sizes are limited to 30 tons or less cooling capacity.	2 exam required (a CORE and a Specialty Air Conditioning Installation test); 50 questions on CORE tests and 100 questions on Specialty test; must score 70% or higher on each	None	None	None	<a href="http://www.natex.org/site/353/Technicians/Certification-Basics/101">www.natex.org/site/353/Technicians/Certification-Basics/101</a>	
NATEX002	Air Conditioning Installation Specialization	North American Technician Excellence	The Air Conditioning Service Technician certification measures knowledge and skills in installation, service, maintenance, and repair of HVAC systems, with a specialization in installation. System sizes are limited to 30 tons or less cooling capacity.	2 exam required (a CORE and a Specialty Air Conditioning Installation test); 50 questions on CORE tests and 100 questions on Specialty test; must score 70% or higher on each	None	None	None	<a href="http://www.natex.org/site/353/Technicians/Certification-Basics/101">www.natex.org/site/353/Technicians/Certification-Basics/101</a>	
NATEX003	Air to Air Heat Pump Installation Technician	North American Technician Excellence	The Air to Air Heat Pump Installation Technician certification measures knowledge and skills to prepare installation sites (including removal of existing HVAC/R equipment), fabricate systems, and assemble systems.	2 exams required (a CORE and a Specialty Air to Air Heat Pump Installation exam); 50 questions on CORE tests with 90 minutes to complete; 100 questions on Specialty test with 150 minutes to complete.	None	None	None	<a href="http://www.natex.org/site/353/Technicians/Certification-Basics/101">www.natex.org/site/353/Technicians/Certification-Basics/101</a>	
NATEX004	Air to Air Heat Pump Service Technician	North American Technician Excellence	The Air to Air Heat Pump Service Technician certification measures knowledge and skills in installation, service, maintenance, and repair of heat pump systems, with a focus on service. System sizes are limited to 30 tons or less cooling capacity.	2 exams required; CORE exam (50 questions; 90 minutes) and Air to Air Heat Pump Service Technician exam (100 questions; 150 minutes); minimum passing score of 70% or higher required on each exam	None	None	None	<a href="http://www.natex.org/site/353/Technicians/Certification-Basics/101">www.natex.org/site/353/Technicians/Certification-Basics/101</a>	
NATHA002	Certified EKG Technician (CET)	National Healthcareer Association	The Certified EKG Technician (CET) certification is for cardiovascular technologists and technicians who assist physicians in diagnosing and treating cardiac (heart) and peripheral vascular (blood vessel) ailments. Cardiovascular technologists may specialize in any of three areas of practice: invasive cardiology, echocardiography, and vascular technology.	1 exam required; 100 questions; 2 hours	Applicant must be 18 years of age or older, must have completed high school and completed 60 hours of training and performed 10 live EKG's.	None	None	<a href="http://www.nhanow.com">www.nhanow.com</a>	
NATHA003	Certified Medical Administrative Assistant (CMAA)	National Healthcareer Association	The Certified Medical Administrative Assistant (CMAA) certification ensures individuals have the knowledge of patients' medical records and office management skills; appointment/scheduling/ correspondence; and mail management skills.	1 exam required; 110 questions; 2 hours 10 minutes	To be eligible for NHA certification, applicants must possess a high school diploma or GED, and have completed a training program or have one year work experience in the field. Individuals who have completed the State of Florida's Medical Administrative Assistant Program may apply to NHA to receive a waiver to take exam prior to high school graduation.	None	None	<a href="http://www.nhanow.com">www.nhanow.com</a>	
NATHA006	Certified Patient Care Technician (CPCT)	National Healthcareer Association	The Certified Patient Care Technician (CPCT) measures knowledge and skills to provide direct patient care in a variety of healthcare environments. CPCT duties may include basic patient care including feeding, bathing or moving patients and changing linens.	1 exam required; 100 questions; 1 hours 50 minutes	Individuals must be at least 18 years of age and have a high school diploma, or equivalency and must have successfully completed an accredited or approved training program within the last year or must have worked within the past year in the field of certification for a minimum of one year.	None	None	<a href="http://www.nhanow.com">www.nhanow.com</a>	
NATHA008	Certified Billing & Coding Specialist (CBCS)	National Healthcareer Association	The Certified Billing & Coding Specialist (CBCS) certification measures users' knowledge and skills in converting medical procedures, diagnoses, or symptoms into specific codes for submitting a claim for reimbursement including documentation in a patient record to support coding and billing process, assigning codes for diagnoses and procedures, submitting claims for reimbursement based on payer policies and procedures, and working with providers to document procedures to support quality coding and reimbursement.	1 exam required; 100 multiple choice questions; 1 hour and 45 minutes; minimum passing score of 72% or higher required.	Individuals must have a High School Diploma or the equivalent and have successfully completed a training program or one year of work experience within the field. Individuals must provide written proof of training or experience and/or documentation of education completion upon request.	None	None	<a href="http://www.nhanow.com">www.nhanow.com</a>	
NATHA009	Certified Clinical Medical Assistant (CCMA)	National Healthcareer Association	The Certified Clinical Medical Assistant (CCMA) certification measures users' knowledge and skills in interviewing patients, measuring and recording vital signs, preparing exam rooms, preparing medical equipment, and performing venipuncture and point of care testing.	1 exam required; 160 multiple choice questions; 2 hour and 40 minutes; minimum passing score of 390 or higher required.	Individuals must have a High School Diploma or the equivalent and have successfully completed a training program or one year of work experience within the field. Individuals must provide written proof of training or experience and/or documentation of education completion upon request.	None	None	<a href="http://www.nhanow.com">www.nhanow.com</a>	
NATHA010	Certified Pharmacy Technician (CPhT)	National Healthcareer Association	The Certified Pharmacy Technician (CPhT) certification measures knowledge and skills to perform work delegated by licensed pharmacists in accordance with state rules and regulations. CPhT's duties may include receiving written prescriptions requests from patients, and sent electronically from doctor's offices, prepare medications including retrieving, counting, poring, weighing, and measuring, establish and maintain patient profiles, and prepare insurance claim forms and manage inventory.	1 exam required; 100 questions; 2 hours 10 minutes	Individuals must have a High School Diploma or the equivalent and have successfully completed a training program or one year of work experience within the field. Individuals must provide written proof of training or experience and/or documentation of education completion upon request.	None	None	<a href="http://www.nhanow.com">www.nhanow.com</a>	
NATHA011	Certified Electronic Health Record Specialist (CEHRS)	National Healthcareer Association	The Certified Electronic Health Record Specialist (CEHRS) certification measures knowledge and skills in how to maintain the integrity and protect the privacy and security of patient information. This certification helps an individual demonstrate their proficiency in auditing patient records for compliance with legal and regulatory requirements, perform basic coding to submit claims for reimbursement from insurers, and collect patient demographic and insurance information.	1 exam required; 100 questions; 1 hours 50 minutes	The individual must have a High School Diploma or the equivalent and successfully completed a training program or one year of work experience within the field. Individuals must provide written proof of training or experience and/or documentation of education completion upon request. An applicant who is scheduled to graduate from an accredited high school or GED program may receive a provisional certification.	None	Individuals with provisional certification must take and successfully pass the examination no more than 12 months prior to graduation. The provisional certification expires 12 months after the examination date and must be converted to a full certification within that time frame.	<a href="http://www.nhanow.com">www.nhanow.com</a>	
NBCOT001	Orthopaedic Technologist Certified (OTC)	National Board for Certification of Orthopaedic Technologists	The Orthopaedic Technologist - Certified certification measures knowledge and skills in assisting orthopedic surgeons by applying and removing casts or splints, setting up traction devices and adjusting medical equipment, like crutches or walkers.	1 exam required; 3 hours	To be eligible an individual must meet the following requirements: A) two-years of full time employment in Orthopaedics specific to Orthopaedic Technology and in accordance with the current Examination Breakdown under the direct supervision of a Physician specializing in the musculoskeletal system. B. Completion of an Orthopaedic Technologist (OT) Training Program that satisfies the requirements of the NBCOT Eligibility Route B Policy.	None	None	<a href="http://www.nbcot.net">www.nbcot.net</a>	
NBFOT001	Certified Occupational Therapy Assistant	National Board for Certification in Occupational Therapy	The Certified Occupational Therapy Assistant certification measures users' knowledge and skills in helping patients develop, recover, and improve the skills needed for daily living and working.	1 exam required	Individuals must graduate with an accredited/approved entry-level occupational therapy degree - Associate degree in occupational therapy – COTA exam.	None	None	<a href="http://www.nbcot.net">www.nbcot.net</a>	

2021-2022 CAPE Postsecondary Industry Certification Funding List Detailed

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NBFR001	Certified Respiratory Therapist (CRT)	National Board for Respiratory Care	The Certified Respiratory Therapist (CRT) certification measures knowledge and skills to evaluate, treat, and care for patients with breathing or other cardiopulmonary disorders. CRTs assume primary responsibility for all respiratory care therapeutic treatments and diagnostic procedures, including the supervision of respiratory therapy technicians.	1 exam required; 160 multiple choice questions;	Applicants must be 18 years of age or older. Applicants shall satisfy one of the following educational requirements: A) Applicants shall have a minimum of an associate degree from a respiratory therapy education program accredited by the Commission on Accreditation for Respiratory Care (CoARC) or accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP) B) Applicants enrolled in an accredited respiratory therapy program in an institution offering a baccalaureate degree may be admitted to the CRT Examination with a "special certificate of completion" issued by a sponsoring educational institution.	None	None	<a href="http://www.nbrc.org">www.nbrc.org</a>	
NBFR002	Registered Respiratory Therapist (RRT)	National Board for Respiratory Care	The Registered Respiratory Therapist (RRT) certification measures knowledge and skills to care for patients who have trouble breathing from a chronic respiratory disease, such as asthma or emphysema. RRTs also provide emergency care to patients suffering from heart attacks, drowning, or shock.	Two exams required; the Therapist Multiple Choice Examination (160 multiple choice questions; 3 hours); the Clinical Simulation Examination (22 problems; 4 hours)	None	None	There are two established cut scores for the Therapist Multiple-Choice Examination. Individuals may become eligible to take the Clinical Simulation Examination by achieving the higher cut score on the Therapist Multiple-Choice Examination. The passing point associated with RRT eligibility is higher than the passing point associated with the CRT credential. Individuals who attempt and pass the Therapist Multiple-Choice Examination at the higher cut score and attempt and pass the Clinical Simulation Examination will be awarded the Registered Respiratory Therapist (RRT) credential.	<a href="http://www.nbrc.org">www.nbrc.org</a>	
NBOST001	Certified Surgical Technologist	The National Board of Surgical Technology and Surgical Assisting	The Certified Surgical Technologist (CST) examination content is based on tasks performed by CSTs nationwide. Job analysis surveys are conducted to identify specific tasks related to the frequency and importance of Surgical Technologists nationwide. The results of the job analysis are used to develop the content outline for the examination, which is evaluated on a prescribed schedule to ensure that the overall examination content reflects current surgical technology practices.	1 exam required. Candidates must correctly answer 102 questions to pass. There are 175 questions on the test, 150 of which are scored, and 25 of which are being tested for future examinations. The exam duration is four hours.	Candidates must have completed a CAAHEP or ABHES accredited Surgical Technology Program or a Military Training Program in Surgical Technology. See agency website for eligibility requirements.	None	None	<a href="https://www.nbsta.org/cst-certification">https://www.nbsta.org/cst-certification</a>	
NCATT001	Aircraft Electronics Technician (AET)	National Center for Aerospace and Transportation Technologies (NCATT)	The Aircraft Electronics Technician (AET) certification prepares individuals for installation, calibration and repair of electronic systems used on aircraft. Aircraft electronics specialists and avionics technicians work closely with the maintenance technicians to keep all aircraft systems operational. This work can take place in an aircraft or in a repair station. The duties include routine electronic maintenance (wiring), troubleshooting or localizing and diagnosing causes of equipment malfunction, replacement of faulty components, tracing circuitry as well as aligning and adjusting repaired equipment.	1 exam required; passing score of 70% or greater required	None	None	None	<a href="http://www.ncatt.org">www.ncatt.org</a>	
NCCER211	NCCER Electrical - Level 4 (Postsecondary)	National Center for Construction Education & Research (NCCER)	The Electrical - Level 4 credential measures knowledge and skills in load calculations feeders & services; health care facilities; standby and emergency systems; basic electronic theory; fire alarm systems; specialty transformers; HVAC controls; heat tracing and freeze protection; motor operation and maintenance; medium-voltage terminations/splices; special locations; and fundamentals of crew leadership.	13 module-based written and performance exams are required.	None	None	The CORE: Introduction to Craft Skills certification is required for all NCCER trades.	<a href="http://www.nccer.org">www.nccer.org</a>	
NCCER222	NCCER HVAC - Level 4 (Postsecondary)	National Center for Construction Education & Research (NCCER)	The HVAC - Level 4 credential measures knowledge and skills in water treatment; indoor air quality; energy conservation equipment; building management systems; system air balancing; system startup and shutdown; construction drawings and specifications; heating and cooling system design; commercial/industrial refrigeration systems; alternative and specialized heating and cooling systems; and fundamentals of crew leadership.	11 module-based written and performance exams are required.	None	None	The CORE: Introduction to Craft Skills certification is required for all NCCER trades.	<a href="http://www.nccer.org">www.nccer.org</a>	
NCCER249	NCCER Pipefitting - Level 4 (Postsecondary)	National Center for Construction Education & Research (NCCER)	The Pipefitting - Level 4 credential measures knowledge and skills in advanced blueprint reading; advanced pipe fabrication; stress relieving and aligning; steam traps; in-line specialties; steel piping; hot taps; maintaining valves; and introduction to supervisory roles.	9 module-based written and performance exams are required.	None	None	The CORE: Introduction to Craft Skills certification is required for all NCCER trades.	<a href="http://www.nccer.org">www.nccer.org</a>	
NCCER253	NCCER Plumbing - Level 4 (Postsecondary)	National Center for Construction Education & Research (NCCER)	The Plumbing - Level 4 credential measures knowledge and skills in business principles for plumbers; fundamentals of crew leadership; water pressure booster and recirculation systems; indirect and special waste; hydronic and solar heating systems; codes; private water supply well systems; private waste disposal systems; swimming pools and hot tubs; plumbing for mobile homes and travel trailer parks; and medical gas and vacuum systems.	11 module-based written and performance exams are required.	None	None	The CORE: Introduction to Craft Skills certification is required for all NCCER trades.	<a href="http://www.nccer.org">www.nccer.org</a>	
NCCER265	NCCER Welding - Level 3 (Postsecondary)	National Center for Construction Education & Research (NCCER)	The Welding - Level 3 credential measures knowledge and skills in SMAW - open-root pipe welds; GMAW - pipe; FCAW - pipe; GTAW - carbon steel pipe; GTAW - low alloy and stainless steel pipe; and SMAW - stainless steel plate and pipe groove welds.	6 module-based written and performance exams are required.	None	None	The CORE: Introduction to Craft Skills certification is required for all NCCER trades.	<a href="http://www.nccer.org">www.nccer.org</a>	
NCCER267	NCCER Industrial Maintenance, Electrical & Instrumentation Technician - Level 4 (Postsecondary)	National Center for Construction Education & Research (NCCER)	The Industrial Maintenance, Electrical & Instrumentation Technician - Level 4 credential measures knowledge and skills in standby and emergency systems; basic process control elements, transducers and transmitters; instrument calibration and configuration; pneumatic control valves, actuators, and positioners; performing loop checks; troubleshooting and commissioning a loop; process control loops and tuning; data networks; programmable logic controllers; and distributed control systems.	10 module-based written and performance exams are required.	None	None	The CORE: Introduction to Craft Skills certification is required for all NCCER trades.	<a href="http://www.nccer.org">www.nccer.org</a>	
NCFCT001	National Certified ECG Technician (NCET)	National Center for Competency Testing	ECG Technicians are allied health professionals responsible for performing diagnostic tests to assess the patient's heart rhythm and rate. They ensure proper electrode placement on the patient, record the ECG, prepare the report for the physician, ensure patient comfort and safety, and troubleshoot abnormalities with the recording.	1 exam required; 125 scored items; 25 unscored pretest items; 3 hours	Student candidates must submit a copy of their ECG Technician diploma, certificate of completion, or official (signed) transcript with graduation date. All required documents must be submitted within two years after successful program completion in order for the certification to be released.	None	None	<a href="http://www.ncctinc.com">www.ncctinc.com</a>	
NCFCT004	Tech in Surgery - Certified (NCCT)	National Center for Competency Testing	The Tech in Surgery - Certified certification measures knowledge and skills for various tasks pre, intra, and post operatively. They maintain asepsis during surgery, anticipating the surgeon's needs while remaining attentive to all aspects of the surgical procedure to ensure a safe environment for the patient.	1 exam required; 175 scored items; 4 hours	None	None	None	<a href="http://www.ncctinc.com">www.ncctinc.com</a>	

2021-2022 CAPE Postsecondary Industry Certification Funding List Detailed

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NCFCT005	Medical Assistant	National Center for Competency Testing	The Medical assistant certification measures knowledge and skills to direct patient care and preparation, ECG, phlebotomy, and pharmacology while maintaining patient safety and confidentiality. Medical assistants also perform administrative duties such as scheduling appointments, maintaining patient records, bookkeeping, and billing and insurance processing.	1 exam required; 150 scored items; 3 hours	None	None	None	<a href="http://www.ncctinc.com">www.ncctinc.com</a>	
NCFCT006	National Certified Insurance and Coding Specialist (NCICS)	National Center for Competency Testing	Insurance and Coding Specialists provide medical billing and coding services to physician's offices and medical specialty practices for health care providers to be paid for services rendered. Insurance and Coding Specialists prepare and submit claims to insurance companies and prepare and send statements to patients. Insurance and Coding Specialists must be knowledgeable and possess skills in the areas of medical terminology, anatomy & physiology, diagnostic and procedural coding, insurance claims processing, and medical billing procedures.	1 exam required; 100 scored items; 25 unscored pretest items; 3 hours	Student candidates must submit a copy of their Insurance & Coding diploma, certificate of completion, or official (signed) transcript with graduation date. All required documents must be submitted within two years after successful program completion in order for the certification to be released.	None	None	<a href="http://www.ncctinc.com">www.ncctinc.com</a>	
NCFCT007	National Certified Medical Office Assistant (NCMOA)	National Center for Competency Testing	Medical Office Assistants are allied health professionals responsible for various medical office administrative tasks beginning with initial patient contact through final payment. They perform front office functions such as scheduling, communicating (with healthcare professionals, patients and third party payers), handling medical records, and financial management while maintaining compliance with state and federal regulations.	1 exam required; 125 scored items; 25 unscored pretest items; 3 hours	Student candidates must submit a copy of their Medical Office Assistant diploma, certificate of completion, or official (signed) transcript with graduation date. All required documents must be submitted within two years after successful program completion in order for the certification to be released.	None	None	<a href="http://www.ncctinc.com">www.ncctinc.com</a>	
NCFCT008	National Certified Patient Care Technician (NCPCT)	National Center for Competency Testing	Patient care technicians are allied health professionals who provide direct patient care within their regulated scope of practice. They perform basic nursing assistant tasks (as delegated by the nursing or medical staff) which may include obtaining patient vital signs and other data, communicating with the healthcare team and patients, assisting with activities of daily living (ADLs), complying with confidentiality requirements, and performing ECGs and phlebotomy tasks.	1 exam required; 125 scored items; 25 unscored pretest items; 3 hours	Student candidates must submit a copy of their Patient Care Technician diploma, certificate of completion, or official (signed) transcript with graduation date. All required documents must be submitted within two years after successful program completion in order for the certification to be released.	None	None	<a href="http://www.ncctinc.com">www.ncctinc.com</a>	
NCSAF001	Certified Strength Coach	National Council on Strength and Fitness (NCSF)	The National Council on Strength and Fitness (NCSF) - Certified Strength Coach certification measures individual's knowledge in functional anatomy and biomechanics; sport metabolism; performance assessment and evaluation; nutrition and ergogenic aids; training techniques for athletic performance; advanced programming for sport; injury prevention and return to competition; professionalism and risk management.	1 exam required; 3 hour time limit with 150 multiple choice questions. A passing score is 70% or better.	Exam candidates must have at least one of the following requirements to be eligible for the exam: A current NCSF-CPT certification, or A current NCCA-accredited fitness professional certification or An associate's degree or higher from an accredited college or university in an exercise profession or related field	None	None	<a href="http://www.ncsf.org">www.ncsf.org</a>	
NCSAF002	Certified Personal Trainer	National Council on Strength and Fitness (NCSF)	The National Council on Strength and Fitness (NCSF) - Certified Personal Trainer certification measures individual's knowledge in basic anatomy, exercise physiology, health screening and evaluation, nutrition and weight management, exercise prescription, and special populations.	1 exam required; 3 hour time limit with 150 multiple choice questions. A passing score is 70% or better.	Candidates must be at least 18 years of age, and possess a high school diploma or equivalent.	Work experience is not required, but it is beneficial to have a minimum level of practical experience working in the health and fitness field.	None	<a href="http://www.ncsf.org">www.ncsf.org</a>	
NCSAF003	Sport Nutrition Specialist	National Council on Strength and Fitness (NCSF)	The National Council on Strength and Fitness (NCSF) - Sport Nutrition Specialist certification measures individual's knowledge in nutrients and intakes; physiological aspects of nutrition; macronutrients; micronutrients and supplementation; nutrition and physiological adaptations to exercise.	1 exam required; 3 hour time limit with 150 multiple choice questions. A passing score is 70% or better.	Exam candidates must have at least one of the following requirements to be eligible for the exam: A current NCSF certification, or A current NCCA-accredited fitness certification, or A license and/or certification in an Allied Health Profession or A Teacher specific State-issued Certification or License	None	None	<a href="http://www.ncsf.org">www.ncsf.org</a>	
NCSBN001	National Licensed Registered Nurse (NCLEX-RN)	National Council of State Boards of Nursing	The National Licensed Registered Nurse (NCLEX-RN) exam measures knowledge and skills to monitor, record, and report symptoms or changes in patients' conditions; maintain accurate, detailed reports and records; record patients' medical information and vital signs; order, interpret, and evaluate diagnostic tests to identify and assess patient's condition; modify patient treatment plans as indicated by patients' responses and conditions; direct or supervise less-skilled nursing or healthcare personnel or supervise a particular unit; consult and coordinate with healthcare team members to assess, plan, implement, or evaluate patient care plans; monitor all aspects of patient care, including diet and physical activity; instruct individuals, families, or other groups on topics such as health education, disease prevention, or childbirth and develop health improvement programs; and prepare patients for and assist with examinations or treatments.	1 exam required; 75 to 265 questions; 6 hour time limit	A student must complete the requirements (set by the Board of Nursing (BON)) of an approved and/or accredited program/school (licensed by & meets BON expectations) and graduate.	None	None	<a href="http://www.ncsbn.org/nclex.htm">www.ncsbn.org/nclex.htm</a>	
NCSBN002	National Licensed Practical Nurse (NCLEX-PN)	National Council of State Boards of Nursing	The National Licensed Registered Nurse (NCLEX-RN) exam measures knowledge and skills to monitor, record, and report symptoms or changes in patients' conditions; maintain accurate, detailed reports and records; record patients' medical information and vital signs; order, interpret, and evaluate diagnostic tests to identify and assess patient's condition; modify patient treatment plans as indicated by patients' responses and conditions; direct or supervise less-skilled nursing or healthcare personnel or supervise a particular unit; consult and coordinate with healthcare team members to assess, plan, implement, or evaluate patient care plans; monitor all aspects of patient care, including diet and physical activity; instruct individuals, families, or other groups on topics such as health education, disease prevention, or childbirth and develop health improvement programs; and prepare patients for and assist with examinations or treatments.	1 exam required; 85 to 205 questions; 5 hour time limit	A student must complete the requirements (set by the Board of Nursing (BON)) of an approved and/or accredited program/school (licensed by & meets BON expectations) and graduate.	None	None	<a href="http://www.ncsbn.org/nclex.htm">www.ncsbn.org/nclex.htm</a>	
NIASE001	ASE - Advanced Engine Performance Specialist (L1)	National Institute for Automotive Service Excellence	The ASE Advanced Engine Performance Specialist (L1) certification provides an assessment of an individual's knowledge of the diagnosis and repair of computer-controlled engine systems and the cause of high-emission failures.	1 exam required; 60 questions; 75 minutes	None	2 years of work experience is required.	None	<a href="http://www.ase.com">www.ase.com</a>	
NIASE005	ASE Automobile/Light Truck Technician: Automatic Transmission/Transaxle (A2)	National Institute for Automotive Service Excellence	The ASE - Automatic Transmission/Transaxle (A2) certification identifies and recognizes those automobile and light truck technicians who can demonstrate knowledge of the skills necessary to diagnose, service, and repair automatic transmission/transaxle.	1 exam required; 60 questions; 75 minutes	None	2 years of work experience is required.	None	<a href="http://www.ase.com">www.ase.com</a>	
NIASE007	ASE Automobile/Light Truck Technician: Brakes (A5)	National Institute for Automotive Service Excellence	The ASE - Brakes (A5) certification identifies and recognizes those automobile and light truck technicians who can demonstrate knowledge of the skills necessary to diagnose, service, and repair brakes.	1 exam required; 55 questions; 75 minutes	None	2 years of work experience is required.	None	<a href="http://www.ase.com">www.ase.com</a>	

2021-2022 CAPE Postsecondary Industry Certification Funding List Detailed

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NIASE008	ASE Automobile/Light Truck Technician: Electrical/Electronic Systems (A6)	National Institute for Automotive Service Excellence	The ASE - Electrical/Electronic Systems (A6) certification identifies and recognizes those automobile and light truck technicians who can demonstrate knowledge of the skills necessary to diagnose, service, and repair electrical/electronic systems.	1 exam required; 60 questions; 75 minutes	None	2 years of work experience is required.	None	<a href="http://www.ase.com">www.ase.com</a>	
NIASE009	ASE Automobile/Light Truck Technician: Engine Performance (A8)	National Institute for Automotive Service Excellence	The ASE - Engine Performance (A8) certification identifies and recognizes those automobile and light truck technicians who can demonstrate knowledge of the skills necessary to diagnose, service, and repair engine performance.	1 exam required; 60 questions; 75 minutes	None	2 years of work experience is required.	None	<a href="http://www.ase.com">www.ase.com</a>	
NIASE010	ASE Automobile/Light Truck Technician: Engine Repair (A1)	National Institute for Automotive Service Excellence	The ASE - Engine Repair (A1) certification identifies and recognizes those automobile and light truck technicians who can demonstrate knowledge of the skills necessary to diagnose, service, and repair engines.	1 exam required; 60 questions; 75 minutes	None	2 years of work experience is required.	None	<a href="http://www.ase.com">www.ase.com</a>	
NIASE011	ASE Automobile/Light Truck Technician: Heating and Air Conditioning (A7)	National Institute for Automotive Service Excellence	The ASE - Heating and Air Conditioning (A7) certification identifies and recognizes those automobile and light truck technicians who can demonstrate knowledge of the skills necessary to diagnose, service, and repair heating and air conditioning.	1 exam required; 60 questions; 75 minutes	None	2 years of work experience is required.	None	<a href="http://www.ase.com">www.ase.com</a>	
NIASE012	ASE Automobile/Light Truck Technician: Manual Drive Train and Axles (A3)	National Institute for Automotive Service Excellence	The ASE - Manual Drive Train and Axles (A3) certification identifies and recognizes those automobile and light truck technicians who can demonstrate knowledge of the skills necessary to diagnose, service, and repair manual drive train and axles.	1 exam required; 50 questions; 60 minutes	None	2 years of work experience is required.	None	<a href="http://www.ase.com">www.ase.com</a>	
NIASE014	ASE Automobile/Light Truck Technician: Suspension and Steering (A4)	National Institute for Automotive Service Excellence	The ASE - Suspension and Steering (A4) certification identifies and recognizes those automobile and light truck technicians who can demonstrate knowledge of the skills necessary to diagnose, service, and repair suspension and steering.	1 exam required; 50 questions; 60 minutes	None	2 years of work experience is required.	None	<a href="http://www.ase.com">www.ase.com</a>	
NIASE016	ASE Medium/Heavy Truck Technician: Brakes (T4)	National Institute for Automotive Service Excellence	The ASE - Brakes (T4) certification identifies and recognizes those medium/heavy duty truck technicians who can demonstrate knowledge of the skills necessary to diagnose, service, and repair brakes.	1 exam required; 60 questions; 75 minutes	None	2 years of work experience is required.	None	<a href="http://www.ase.com">www.ase.com</a>	
NIASE017	ASE Collision Repair and Refinishing Technician: Mechanical and Electrical Components (B5)	National Institute for Automotive Service Excellence	The ASE - Mechanical and Electrical Components (B5) certification identifies and recognizes those collision repair technicians and refinishers who can demonstrate knowledge of the skills necessary to make collision repairs related to mechanical and electrical components.	1 exam required; 60 questions; 75 minutes	None	2 years of work experience is required.	None	<a href="http://www.ase.com">www.ase.com</a>	
NIASE018	ASE - Non-structural Analysis and Damage Repair (B3)	National Institute for Automotive Service Excellence	The ASE - Non-structural Analysis and Damage Repair (B3) certification identifies and recognizes those collision repair technicians and refinishers who can demonstrate knowledge of the skills necessary to make collision repairs related to non-structural analysis and damage repair.	1 exam required; 65 questions; 90 minutes	None	2 years of work experience is required.	None	<a href="http://www.ase.com">www.ase.com</a>	
NIASE020	ASE - Diesel Engines (T2)	National Institute for Automotive Service Excellence	The ASE - Diesel Engines (T2) certification identifies and recognizes those medium/heavy duty truck technicians who can demonstrate knowledge of the skills necessary to diagnose, service, and repair diesel engines.	1 exam required; 65 questions; 90 minutes	None	2 years of work experience is required.	None	<a href="http://www.ase.com">www.ase.com</a>	
NIASE021	ASE Medium/Heavy Truck Technician: Drive Train (T3)	National Institute for Automotive Service Excellence	The ASE - Drive Train (T3) certification identifies and recognizes those medium/heavy duty truck technicians who can demonstrate knowledge of the skills necessary to diagnose, service, and repair drive trains.	1 exam required; 50 questions; 60 minutes	None	2 years of work experience is required.	None	<a href="http://www.ase.com">www.ase.com</a>	
NIASE023	ASE Medium/Heavy Truck Technician: Electrical/Electronic Systems (T6)	National Institute for Automotive Service Excellence	The ASE - Electrical/Electronic Systems (T6) certification identifies and recognizes those medium/heavy duty truck technicians who can demonstrate knowledge of the skills necessary to diagnose, service, and repair electrical/electronic systems.	1 exam required; 60 questions; 90 minutes	None	2 years of work experience is required.	None	<a href="http://www.ase.com">www.ase.com</a>	
NIASE025	ASE - Gasoline Engines (T1)	National Institute for Automotive Service Excellence	The ASE - Gasoline Engines (T1) certification identifies and recognizes those medium/heavy duty truck technicians who can demonstrate knowledge of the skills necessary to diagnose, service, and repair gasoline engines.	1 exam required; 60 questions; 75 minutes	None	2 years of work experience is required.	None	<a href="http://www.ase.com">www.ase.com</a>	
NIASE026	ASE Medium/Heavy Truck Technician: Heating, Ventilation, and A/C (HVAC) (T7)	National Institute for Automotive Service Excellence	The ASE - Heating, Ventilation, and A/C (HVAC) (T7) certification identifies and recognizes those medium/heavy duty truck technicians who can demonstrate knowledge of the skills necessary to diagnose, service, and repair HVAC.	1 exam required; 50 questions; 60 minutes	None	2 years of work experience is required.	None	<a href="http://www.ase.com">www.ase.com</a>	
NIASE029	ASE Collision Repair and Refinishing Technician: Painting and Refinishing (B2)	National Institute for Automotive Service Excellence	The ASE - Painting and Refinishing (B2) certification identifies and recognizes those collision repair technicians and refinishers who can demonstrate knowledge of the skills necessary to make collision repairs related to painting and refinishing.	1 exam required; 65 questions; 90 minutes	None	2 years of work experience is required.	None	<a href="http://www.ase.com">www.ase.com</a>	
NIASE031	ASE Medium/Heavy Truck Technician: Preventive Maintenance Inspection (PMI) (T8)	National Institute for Automotive Service Excellence	The ASE - Preventive Maintenance Inspection (PMI) (T8) certification identifies and recognizes those medium/heavy duty truck technicians who can demonstrate knowledge of the skills necessary to conduct PMI.	1 exam required; 60 questions; 75 minutes	None	2 years of work experience is required.	None	<a href="http://www.ase.com">www.ase.com</a>	
NIASE032	ASE - Structural Analysis and Damage Repair (B4)	National Institute for Automotive Service Excellence	The ASE - Structural Analysis and Damage Repair (B4) certification identifies and recognizes those collision repair technicians and refinishers who can demonstrate knowledge of the skills necessary to make collision repairs related to structural analysis and damage repair.	1 exam required; 60 questions; 75 minutes	None	2 years of work experience is required.	None	<a href="http://www.ase.com">www.ase.com</a>	
NIASE033	ASE Medium/Heavy Truck Technician: Suspension and Steering (T5)	National Institute for Automotive Service Excellence	The ASE - Suspension and Steering (T5) certification provides an assessment of an individual's knowledge of the skills necessary to diagnose, service, and repair different systems of Class 4 through Class 8 trucks and tractors.	1 exam required; 60 questions; 75 minutes	None	2 years of work experience is required.	None	<a href="http://www.ase.com">www.ase.com</a>	
NIASE053	ASE - Compressed Natural Gas (CNG) Engines (H1)	National Institute for Automotive Service Excellence	The ASE - Compressed Natural Gas (CNG) Engines (H1) certification identifies and recognizes those transit bus technicians who can demonstrate knowledge of the skills necessary to diagnose, service, and repair CNG engines.	1 exam required; 60 questions; 75 minutes	None	2 years of work experience is required.	None	<a href="http://www.ase.com">www.ase.com</a>	
NIASE054	ASE - Diesel Engines (H2)	National Institute for Automotive Service Excellence	The ASE - Diesel Engines (H2) certification identifies and recognizes those transit bus technicians who can demonstrate knowledge of the skills necessary to diagnose, service, and repair diesel engines.	1 exam required; 60 questions; 75 minutes	None	2 years of work experience is required.	None	<a href="http://www.ase.com">www.ase.com</a>	
NIASE055	ASE - Drive Train (H3)	National Institute for Automotive Service Excellence	The ASE - Drive Train (H3) certification identifies and recognizes those transit bus technicians who can demonstrate knowledge of the skills necessary to diagnose, service, and repair drive train.	1 exam required; 50 questions; 60 minutes	None	2 years of work experience is required.	None	<a href="http://www.ase.com">www.ase.com</a>	
NIASE056	ASE - Brakes (H4)	National Institute for Automotive Service Excellence	The ASE - Brakes (H4) certification identifies and recognizes those transit bus technicians who can demonstrate knowledge of the skills necessary to diagnose, service, and repair brakes.	1 exam required; 60 questions; 75 minutes	None	2 years of work experience is required.	None	<a href="http://www.ase.com">www.ase.com</a>	
NIASE057	ASE - Suspension and Steering (H5)	National Institute for Automotive Service Excellence	The ASE - Suspension and Steering (H5) certification identifies and recognizes those transit bus technicians who can demonstrate knowledge of the skills necessary to diagnose, service, and repair suspension and steering.	1 exam required; 55 questions; 75 minutes	None	2 years of work experience is required.	None	<a href="http://www.ase.com">www.ase.com</a>	
NIASE058	ASE - Electrical/Electronic Systems (H6)	National Institute for Automotive Service Excellence	The ASE - Electrical/Electronic Systems (H6) certification identifies and recognizes those transit bus technicians who can demonstrate knowledge of the skills necessary to diagnose, service, and repair electrical/electronic systems.	1 exam required; 60 questions; 90 minutes	None	2 years of work experience is required.	None	<a href="http://www.ase.com">www.ase.com</a>	

2021-2022 CAPE Postsecondary Industry Certification Funding List Detailed

DOE Code	Certification/ Credential Title	Issuing Organization/Provider	Certification Description	Written Exam Requirements	Other Requirements (Age, Program Completion, etc.)	Work Experience	Additional Information	Agency Website	New to List or New Funding Eligible Status
NIASE059	ASE - Heating Ventilation and Air Conditioning (HVAC) (H7)	National Institute for Automotive Service Excellence	The ASE - Heating Ventilation and Air Conditioning (HVAC) (H7) certification identifies and recognizes those transit bus technicians who can demonstrate knowledge of the skills necessary to diagnose, service, and repair HVAC.	1 exam required; 50 questions; 75 minutes	None	2 years of work experience is required.	None	<a href="http://www.ase.com">www.ase.com</a>	
NIASE060	ASE - Preventive Maintenance and Inspection (PMI) (H8)	National Institute for Automotive Service Excellence	The ASE - Preventive Maintenance and Inspection (PMI) (H8) certification identifies and recognizes those transit bus technicians who can demonstrate knowledge of the skills necessary to conduct PMI.	1 exam required; 60 questions; 75 minutes	None	2 years of work experience is required.	None	<a href="http://www.ase.com">www.ase.com</a>	
NIASE061	ASE - Alternate Fuels (F1)	National Institute for Automotive Service Excellence	The ASE - Alternate Fuels (F1) certification identifies and recognizes those technicians who can demonstrate knowledge of the skills necessary to diagnose, service, and repair CNG vehicles.	1 exam required; 65 questions; 90 minutes	None	2 years of work experience is required.	None	<a href="http://www.ase.com">www.ase.com</a>	
NIASE071	ASE - Light Vehicle Diesel Engines (A9)	National Institute for Automotive Service Excellence	The ASE - Light Vehicle Diesel Engines (A9) certification identifies and recognizes those automobile and light truck technicians who can demonstrate knowledge of the skills necessary to diagnose, service, and repair light vehicle diesel engines.	1 exam required; 60 questions; 75 minutes	None	2 years of work experience is required.	Technicians may substitute two years of relevant formal training for up to one year of the work experience requirement.	<a href="http://www.ase.com">www.ase.com</a>	
NIFMS003	NIMS Machining Level II - EDM - Plunge	National Institute for Metalworking Skills (NIMS)	The EDM - Plunge certification measures knowledge and skills in Electrical discharge machining (EDM) plunge operations.	1 exam required	Performance project must be completed prior to taking the exam.	None	None	<a href="http://www.nims-skills.org">www.nims-skills.org</a>	
NIFMS004	NIMS Machining Level II - EDM - Wire	National Institute for Metalworking Skills (NIMS)	The EDM - Plunge certification measures knowledge and skills in Electrical discharge machining (EDM) Wire 2 axis operations.	1 exam required	Performance project must be completed prior to taking the exam.	None	None	<a href="http://www.nims-skills.org">www.nims-skills.org</a>	
NIFMS007	NIMS Machining Level II - Manual Milling Skills II	National Institute for Metalworking Skills (NIMS)	The Manual Milling Skills II certification measures knowledge and skills in milling operations including squaring up a block, precision location of holes, cutting a keyslot, cutting a deep slot, using rotary tables, dividing head operations, and boring mill operations.	1 exam required	Performance project must be completed prior to taking the exam.	None	None	<a href="http://www.nims-skills.org">www.nims-skills.org</a>	
NIFMS012	NIMS Machining Level II - Grinding Skills II	National Institute for Metalworking Skills (NIMS)	The Grinding Skills II certification measures knowledge and skills in grinding operations including surface grinding (flats and angles), wheel preparation and balancing, and cylindrical grinding.	1 exam required	Performance project must be completed prior to taking the exam.	None	None	<a href="http://www.nims-skills.org">www.nims-skills.org</a>	
NIFMS018	NIMS Machining Level II - Drill Press Skills II	National Institute for Metalworking Skills (NIMS)	The Drill Press Skills II certification measures knowledge and skills in drill press operations including radial drilling and machine tool power tapping: taper reaming and pipe tapping.	1 exam required, 41 questions	Performance project must be completed prior to taking exam.	None	None	<a href="http://www.nims-skills.org">www.nims-skills.org</a>	
NIFMS019	NIMS Machining Level II - CNC Milling Skills II	National Institute for Metalworking Skills (NIMS)	The CNC Milling Skills II certification measures knowledge and skills in CNC milling including program writing and operating a CNC mill.	1 exam required, 70 questions	Performance project must be completed prior to taking exam.	None	None	<a href="http://www.nims-skills.org">www.nims-skills.org</a>	
NIFMS020	NIMS Machining Level II - CNC Turning Skills II	National Institute for Metalworking Skills (NIMS)	The CNC Turning Skills II certification measures knowledge and skills in CNC turning including program writing and operating a CNC lathe.	1 exam required, 70 questions	Performance project must be completed prior to taking exam.	None	None	<a href="http://www.nims-skills.org">www.nims-skills.org</a>	
NIFMS021	NIMS Industrial Technology Maintenance Level 1 Bundle (9 Exams)	National Institute for Metalworking Skills	Industrial Technology Maintenance Level 1 certification measures basic skills and knowledge in hydraulic systems, mechanical systems, pneumatic systems, electrical systems, electronic control systems, maintenance operations, maintenance piping, maintenance welding and process control systems.	9 exams required: Hydraulic Systems - 75 questions, 90 min. Mechanical Systems - 75 questions, 90 min. Pneumatic Systems - 74 questions, 90 min. Electrical Systems - 75 questions Electronic Control Systems - 75 questions Maintenance Operations - 75 questions Maintenance Piping - 75 questions Maintenance Welding - 75 questions Process Control Systems - 73 questions	None	None	None	<a href="http://www.nims-skills.org">www.nims-skills.org</a>	
NJATC001	NJATC Electrical - Level 5	National Joint Apprenticeship and Training Committee	The NJATC Electrical - Level 5 certification measures knowledge and skills in national electrical code; motor control; torque; and rigging.	1 exam required; 100 multiple choice questions; 3 hours	None	None	None	<a href="http://www.njatc.org">www.njatc.org</a>	
NMTCB001	Certified Nuclear Medicine Technologist	Nuclear Medicine Technology Certification Board	The Certified Nuclear Medicine Technologist certification measures knowledge and skills in operating equipment that creates images of areas of a patient's body including preparing radioactive drugs and administering them to patients.	1 exam required; 90 questions; 55 minutes	Completion of a NMTCB recognized nuclear medicine technology program; OR completion of a certificate, associate degree or baccalaureate degree in nuclear medicine technology program from a regionally accredited academic institution. Regionally accredited college and university programs must have structured clinical training sufficient to provide clinical competency in radiation safety, instrumentation, clinical procedures, and radiopharmacy. This should require approximately 1000 hours of clinical training supervised by program faculty.	None	None	<a href="http://www.nmtcb.org/">www.nmtcb.org/</a>	
NMTCB002	Computed Tomography (CT)	Nuclear Medicine Technology Certification Board	The Computed Tomography (CT) certification measures knowledge and skills in CT scans, a specialized X-ray procedure sometimes referred to as a CAT scan. Working under the supervision of a radiologist, CT scan technologists prepare patients for a CT scan by positioning them on the table and following safety measures to protect them from unnecessary or excess radiation. During the scan, technologists sit in a shielded room and monitor the CT scan images on the computer screen.	1 exam required; 200 multiple choice; 3.5 hours	The eligibility requirements to sit for the exam are as follows: 1) A current active NMTCB, ARRT, or CAMRT nuclear medicine technology certification OR a current active CAMRT(RT), CAMRT(RTT), ARRT(R) or ARRT(T) certification. 2) A minimum of 500 total clinical hours in PET/CT, SPECT/CT and/or CT. (Please download and complete the NMTCB Clinical Hours Verification Form.) 3.) The completion of a minimum of thirty five (35) contact hours within the three years prior to application including a minimum of four (4) hours of each of the following categories: Contrast administration, Cross-sectional anatomy, X-ray physics, CT radiation safety.	None	None	<a href="http://www.nmtcb.org/">www.nmtcb.org/</a>	
NNCC001	Certified Clinical Hemodialysis Technician	Nephrology Nursing Certification Commission	The Certified Clinical Hemodialysis Technician certification measures knowledge and skills to operate machines that remove wastes, salts, and extra water from patients' blood while keeping safe levels of certain chemicals.	1 exam required; 150 questions; 180 minutes; minimum score of 70%-75% or higher required (depending on version of test)	Applicant must have a minimum of 2000 hours of work experience as a hemodialysis patient care technician within the two-year period of certification.			<a href="http://www.nncc-exam.org/">www.nncc-exam.org/</a>	
NREMT001	Emergency Medical Technician (EMT)	National Registry of Emergency Medical Technicians	The Emergency Medical Technician (EMT) certification verifies that an individual is trained and certified to appraise and initiate the administration of emergency care for victims of trauma or acute illness before or during transportation of victims to a health care facility.	2 exams required (cognitive and psychomotor); Cognitive exam: online; 70-120 questions; 2 hours; Psychomotor exam: Individual must demonstrate competence (performance based).	None	None	None	<a href="http://www.nremt.org">www.nremt.org</a>	
NSTSA001	Certified Surgical Technologist (CST)	National Board of Surgical Technologist and Surgical Assisting	The Certified Surgical Technologist (CST) measures knowledge and skills to assist in operations, under the supervision of surgeons, registered nurses, or other surgical personnel including to help set up operating room, prepare and transport patients for surgery, adjust lights and equipment, pass instruments and other supplies to surgeons and surgeon's assistants, hold retractors, cut sutures, and help count sponges, needles, supplies, and instruments.	1 exam required, 200 questions (175 scored/25 pretest)	Must be a graduate of a surgical technology program accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP) or Accrediting Bureau of Health Education Schools (ABHES).	None	None	<a href="http://www.nbstsa.org/">www.nbstsa.org/</a>	

2021-2022 CAPE Postsecondary Industry Certification Funding List Detailed

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NSTSA002	Certified Surgical First Assistant (CSFA)	National Board of Surgical Technologist and Surgical Assisting	Certified Surgical First Assistant (CSFA) measures knowledge and skills common to competent entry-level Surgical First Assistants. Subject areas covered include pre-operative care; intra-operative procedures; post-operative procedures; administrative and personnel duties; equipment, sterilization and maintenance; advanced anatomy and physiology; advanced principles of microbiology and surgical pharmacology and anesthesia.	1 exam required, 200 questions (175 scored/25 pretest)	Must be a graduate of a surgical first assisting program accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP).	None	None	<a href="http://www.nbsta.org/">www.nbsta.org/</a>	
ORACL001	Oracle Certified Associate (OCA): Database	Oracle Corporation	The Oracle Certified Associate (OCA): Database certification measures knowledge and skills to deliver the benefits of grid computing with more self-management and automation in an advanced database management system.	1 of 3 exams required (SQL 1Z0-007, SQL Fundamentals 1Z0-051, or Oracle Database SQL Expert 1Z0-047); Also, Administration I: 1Z0-052 is required	None	None	None	<a href="http://www.oracle.com">www.oracle.com</a>	
ORACL002	Oracle Certified Professional (OCP): Database	Oracle Corporation	The Oracle Certified Professional (OCP): Database certification measures advanced knowledge and skills for development and deployment of backup, recovery and Cloud computing strategies.	1 exam (Administration II 1Z0-053 exam) required	None	None	None	<a href="http://www.oracle.com">www.oracle.com</a>	
ORACL003	Oracle Certified Master (OCM): Database	Oracle Corporation	The Oracle Certified Master (OCM): Database certification measures expert knowledge and skills for development and deployment of backup, recovery and Cloud computing strategies.	1 exam required	None	None	None	<a href="http://www.oracle.com">www.oracle.com</a>	
ORACL004	Oracle Certified Associate (OCA): Java Programmer	Oracle Corporation	The OCA Java Programmer certification is designed for individuals who possess a strong foundation in the Java Programming language. This certification covers the fundamentals of Java programming, such as the significance of object-oriented programming and the steps to create simple Java technology programs.	1 of 2 exams required (specific to the Java version); Java SE5/SE 6 exam (1Z0-850), Java SE7 exam (1Z0-803)	None	None	None	<a href="http://www.oracle.com">www.oracle.com</a>	
ORACL005	Oracle Certified Professional (OCP): Java Programmer	Oracle Corporation	The OCP Java Programmer certification is designed for individuals who possess a strong foundation in the Java Programming language as well as proven skill in creating Java technology programs. This certification covers core Application Programming interfaces used to design object-oriented applications with Java, as well as insight into Java applications such as those that manipulate files, directories and file systems.	1 of 3 exams required (specific to the Java version); OCP Java SE5 exam (1Z0-853), OCP Java SE6 exam (1Z0-851), OCP Java SE7 exam (1Z0-804)	None	None	None	<a href="http://www.oracle.com">www.oracle.com</a>	
ORACL006	Oracle Certified Master (OCM): Java Developer	Oracle Corporation	The OCM Java Developer certification is designed for individuals who have mastered the Java programming language as well as creating Java technology programs. This certification covers application programming interfaces used to design object-oriented applications with Java, as well as Java applications used to manipulate files, directories and file systems.	2 part exam required (practical requirement and essay exam)	None	None	None	<a href="http://www.oracle.com">www.oracle.com</a>	
PROSO003	Certified Internet Web (CIW) E-Commerce Specialist	Certification Partners	The Certified Internet Web (CIW) E-Commerce Specialist certification measures knowledge and skills on how to conduct business online and manage the technical issues associated with constructing an e-commerce Web site. Individuals learn about the similarities and differences between traditional and electronic commerce, and will explore e-commerce technologies at various levels of sophistication.	1 exam required	None	None	None	<a href="http://www.ciwcertified.com">www.ciwcertified.com</a>	
PROSO006	Certified Internet Web (CIW) Database Design Specialist	Certification Partners	The CIW Database Design Specialist certification provides introductory vendor-neutral training for individuals planning to pursue product-focused database specialization. Competencies include DB2, Oracle Database 11g, MS SQL and MySQL, as well as Structured Query Language (SQL) and database optimization through normalization.	1 exam required (1D0-541); 50 questions; 90 minutes; Passing score of 75% or more required	None	None	None	<a href="http://www.ciwcertified.com">www.ciwcertified.com</a>	
PROSO010	Certified Internet Web (CIW) Web Security Professional	Certification Partners	The CIW Web Security Professional series certification measures knowledge and skills to configure, manage and deploy e-business solutions servers, and implement e-business and network security solutions.	1 exam required	None	None	None	<a href="http://www.ciwcertified.com">www.ciwcertified.com</a>	
PROSO017	Certified Internet Web (CIW) JavaScript Specialist	Certification Partners	The Certified Internet Web (CIW) JavaScript Specialist certification measures knowledge and skills on how to use the JavaScript language. Competencies tested include essential principles and practices, debugging and troubleshooting code, control program flow, document object model (DOM), language objects and expressions, custom objects, modify HTML, interactive forms, security issues involving browsers and cookies, libraries and frameworks, interactive Web applications and implementing Web application programming interfaces.	1 exam required	None	None	None	<a href="http://www.ciwcertified.com">www.ciwcertified.com</a>	
PROSO019	Certified Internet Web (CIW) Perl Specialist	Certification Partners	The Certified Internet Web (CIW) Perl Specialist certification measures knowledge and skills to utilize the Perl programming language including Perl syntax, the basics of using regular expression, how to use Perl data types, and how to access and manipulate files.	1 exam required	None	None	None	<a href="http://www.ciwcertified.com">www.ciwcertified.com</a>	
PROSO021	Certified Internet Web (CIW) Web Design Professional	Certification Partners	The Certified Internet Web (CIW) Web Design Professional certification requires individuals to prove their understanding in the areas of web site design and e-commerce. Individuals must be able to develop and maintain web sites using authoring and scripting languages, create content and digital media, and employ standards and technologies for business-to-business and business-to-consumer e-commerce web sites.	2 exams required (CIW Web Design Specialist and CIW E-Commerce Specialist)	None	None	None	<a href="http://www.ciwcertified.com">www.ciwcertified.com</a>	
PROSO022	Certified Internet Web (CIW) Web Design Specialist	Certification Partners	The Certified Internet Web (CIW) Web Design Specialist certification measures knowledge and skills in how to design and publish web sites. General topics include web site development essentials (such as the site development process, customer expectations, and ethical and legal issues in web development), web design elements (such as aesthetics, the site user's experience, navigation, usability and accessibility), Basic web technologies (such as basic Hypertext Markup Language [HTML], Extensible HTML [XHTML] and extended technologies, image files, GUI site development applications, site publishing and maintenance) and advanced web technologies (such as multimedia and plug-in technologies, client-side and server-side technologies, and web databases).	1 exam required	None	None	None	<a href="http://www.ciwcertified.com">www.ciwcertified.com</a>	
PROSO023	Certified Internet Web (CIW) Web Development Professional	Certification Partners	The CIW Web Development Professional certification measures knowledge and skills in front-end scripting language, a back-end programming language and the skills to integrate with a database.	3 exams required (CIW JavaScript Specialist, CIW Perl Specialist, and CIW Database Design Specialist)	None	None	None	<a href="http://www.ciwcertified.com">www.ciwcertified.com</a>	
PROSO026	Certified Internet Web (CIW) Web Security Specialist	Certification Partners	The Certified Internet Web (CIW) Web Security Specialist certification measures knowledge and skills to secure networks from unauthorized activity including security principles, such as establishing an effective security policy, and about the different types of hacker activities that individuals in this field are most likely to encounter.	1 exam required	None	None	None	<a href="http://www.ciwcertified.com">www.ciwcertified.com</a>	



2021-2022 CAPE Postsecondary Industry Certification Funding List Detailed

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PROSO027	Certified Internet Web (CIW) Advanced HTML5 & CSS3 Specialist	Certification Partners	The CIW Advanced HTML5 and CSS3 Specialist certification tests essential HTML5, Cascading Style Sheets (CSS) and JavaScript knowledge. These technologies, known as the Web development trifecta, provide Web pages that easily adapt to smartphones, tablets, gaming devices and smart TVs, and traditional PCs.	2 exams required (CIW Advanced HTML5 and CSS3 Specialist)	None	None	None	<a href="http://www.ciwcertified.com">www.ciwcertified.com</a>	
PTCDB001	Pharmacy Technician	Pharmacy Technician Certification Board	The Pharmacy Technician certification measures knowledge and skills needed to assist pharmacists to prepare and dispense prescriptions.	1 exam required; 90 multiple choice questions; 110 minutes	Individuals must have a high school diploma or GED; no felony convictions; no drug or pharmacy related convictions, no restriction or admission of misconduct or violation of regulation by any State Board of Pharmacy.	None	None	<a href="http://www.ptcb.org">www.ptcb.org</a>	
REDHT002	Red Hat Certified System Administrator (RHCSA) Certification	Red Hat	The performance-based Red Hat Certified System Administrator (RHCSA) exam tests knowledge in areas of system administration common across a wide range of environments and deployment scenarios. The skills tested in this exam are the foundation for system administration across all Red Hat® products.	1 exam required (EX200). Exam is a hands-on, practical exam requiring real-world tasks. Exam duration is 2.5 - 4 hours.	Candidates should have either taken Red Hat System Administration I (RH124) and Red Hat System Administration II (RH134) or the RHCSA Rapid Track course (RH199) that combines those courses, or have comparable work experience as a system administrator on Red Hat Enterprise Linux.	None	None	<a href="https://www.redhat.com/en/services/training/ex200-red-hat-certified-system-administrator-rhcsa-exam">https://www.redhat.com/en/services/training/ex200-red-hat-certified-system-administrator-rhcsa-exam</a>	
SMFEN001	Lean Bronze Certification (LBC)	Society of Manufacturing Engineers	The Lean Bronze Certification (LBC) certification measures knowledge of basic lean principles and tools, and ability in tactical implementation that drives improvement and shows measurable results.	1 exam required; 150 questions; complete a portfolio that outlines and documents 5 Lean projects and a summary of those projects.	To be eligible to take the LBC requires two academic quarters or equivalent of time spent in the study of Lean.	Minimum 1 year of industry work experience; minimum 6 months of experience of directly related to Lean implementation (total experience must equal 4 years of combined industry experience, Lean experience and academic study).	None	<a href="http://www.sme.org">www.sme.org</a>	
SMRPR001	Certified Maintenance and Reliability Professional (CMRP)	Society for Maintenance and Reliability Professionals	The Certified Maintenance and Reliability Professional certification measures knowledge and skills for preventive, predictive, and corrective maintenance. CMRPs can perform troubleshooting and analysis, and apply sound maintenance practices in all aspects of their work.	1 exam required; 175 multiple choice questions; 4 hours	Candidates must schedule and take an examination within six months of the date they make application and are made eligible to sit for it.	None	None	<a href="http://www.smrp.org">www.smrp.org</a>	
SOLID004	Certified Solidworks Professional - Academic (CSWP-Academic)	Dassault Systems Solidworks Corporation	The CSWP - Academic certification measures advanced knowledge and skills of engineering design principles and practices focusing on Parts, Assemblies, and Drawings.	1 exam required; 3.5 hours	None	None	Intended for individuals with a minimum of 1 to 2 years of SOLIDWORKS experience and advanced knowledge of engineering practices.	<a href="http://www.solidworks.com">www.solidworks.com</a>	
SPACE001	Aerospace Technician	SpaceTec	The Aerospace Technician certification measures knowledge and skills for successful entry level employment of aerospace technicians who manufacture, assemble, service, test, operate, maintain, or repair systems associated with expendable and reusable space launch vehicles, payloads, related laboratories, and ground support equipment.	1 exam required (3 parts: Written, Oral and Practical); 70 questions	An individual must meet at least one of the following verifiable criteria to sit for the exam: have a two year technical college program degree; have/had a two year technical military assignment; hold a FAA Airframe/Powerplant certificate; or have two or more years of on the job training and experience in the Aerospace industry.	None	None	<a href="http://www.spacetec.us">www.spacetec.us</a>	
TAFOM001	Certified in Production and Inventory Management (CPIM)	Association of Supply Chain Management (ASCM)	The Certified in Production and Inventory Management (CPIM) certification measures knowledge and skills in the latest production and inventory management techniques and trends, including production planning, materials and capacity requirements planning, just in time, and systems and technologies.	5 exams required	None	None	None	<a href="http://www.apics.org">www.apics.org</a>	
USINS003	Advanced Unmanned Safety: Level 2	Unmanned Safety Institute	The Advanced Unmanned Safety: Level 2 certification tests competencies in professional aviation safety and operations; the implementation of the four pillars of a safety management system; the processes and tools for capturing and mitigating risk in unmanned operations; continuous improvement programs as they relate to unmanned operations; and safety promotion within unmanned aviation.	1 exam required; 70 questions; 120 minutes	None	None	None	<a href="https://www.unmannedsafetyinstitute.org/advanced-safety-certification-l2">https://www.unmannedsafetyinstitute.org/advanced-safety-certification-l2</a>	
USINS004	Advanced Unmanned System Operations (AUSO) Flight	Unmanned Safety Institute	The Advanced Unmanned System Operations (AUSO) Flight certification tests competencies in unmanned aviation safety operations; flight risk assessment; practical test standards; the ability to perform safely in reaction to simulated emergencies; decision making in flight; the ability to follow checklists and procedures; professional and safe attitudes in the operation of unmanned systems; and unmanned aircraft systems.	1 exam required: AUSO Flight and Systems Exam	None	None	None	<a href="https://www.youracclaim.com/org/unmanned-safety-institute/badge/advanced-unmanned-system-operations-auso-flight">https://www.youracclaim.com/org/unmanned-safety-institute/badge/advanced-unmanned-system-operations-auso-flight</a>	
USINS005	Advanced Unmanned System Operations (AUSO) Ground	Unmanned Safety Institute	The Advanced Unmanned System Operations (AUSO) Ground certification exam tests competencies in unmanned aviation safety to unmanned operations; pre-flight risk assessments; aircraft systems; checklist procedures and proficiency through simulation; safety analysis for new locations; emergency response maneuvers and procedures; datalink configurations; and the use of safety features on aircraft.	1 exam required: AUSO Ground and Systems Exam	None	None	None	<a href="https://www.youracclaim.com/org/unmanned-safety-institute/badge/advanced-unmanned-system-operations-auso-ground">https://www.youracclaim.com/org/unmanned-safety-institute/badge/advanced-unmanned-system-operations-auso-ground</a>	
VMWRE004	VMware Certified Professional - Data Center Virtualization	VMWare	VMware Certified Professional - Data Center Virtualization certification measures users' skill level in implementing, managing and installing virtual data center environments using best practices.	1 exam, 70 questions, 105 minutes	Must attend one training course at an authorized training center and pass the vSphere 6 or 6.5 Foundations Exam.	None	None	<a href="https://mylearn.vmware.com/mgrReg/plan.cfm?plan=101013&amp;ui=www_cert">https://mylearn.vmware.com/mgrReg/plan.cfm?plan=101013&amp;ui=www_cert</a>	