

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
AAMIN001	Certified Biomedical Equipment Technician	Association for the Advancement of Medical Instrumentation (AAMI)	The CBET certification measures users' knowledge of electromechanical devices, computers, networks and software used in the delivery of healthcare. Candidates pursuing certification in this category may work for medical device manufacturers, hospitals, clinics, home healthcare providers, medical device repair companies, regulatory bodies/agencies, and software manufacturers such as EMR or device integration providers.	1 exam required, 165 multiple choice questions, 3 hours, Minimum score required is 116/165.	None	None	None	<a href="http://www.aami.org/certification/">www.aami.org/certification/</a>	
ABAYC001	Composite Boat Builder Certification	American Boat & Yacht Council	The Composite Boat Builder Certification measures users' knowledge of composite construction techniques, production and advanced manufacturing processes, structural details and hardware installation, quality assurance and safety and environmental compliance.	1 exam required, 200 multiple choice questions; 3 hours	None	None	Individuals may reference all study materials including the supplied study guide (which contains all pertinent ABYC standards integrated into the text), class notes and additional ABYC standards in either printed or computer-based form during the certification exam.	<a href="http://www.abycinc.org/">www.abycinc.org/</a>	
ABAYC003	Marine Electrical Certification	American Boat & Yacht Council	The Marine Electrical Certification measures users' knowledge of marine electrical design, service or installation. Marine electricians may specifically work on electrical fundamentals, AC and DC systems and generators, maintenance and installing of battery systems, and safety equipment.	1 exam required, 200 multiple choice questions; 3 hours	None	None	Individuals may reference all study materials including the supplied study guide (which contains all pertinent ABYC standards integrated into the text), class notes and additional ABYC standards in either printed or computer-based form during the certification exam.	<a href="http://www.abycinc.org/">www.abycinc.org/</a>	
ABAYC006	A/C Refrigeration Certification	American Boat & Yacht Council	The A/C Refrigeration Certification measures users' knowledge and skills in air conditioning and refrigeration systems in the boating and yachting industry.	1 exam required, 200 multiple choice questions; 3 hours	None	None	Individuals may reference all study materials including the supplied study guide (which contains all pertinent ABYC standards integrated into the text), class notes and additional ABYC standards in either printed or computer-based form during the certification exam.	<a href="http://www.abycinc.org/">www.abycinc.org/</a>	
ABCOP001	Certified Prosthetic-Orthotic Technician (CTPO)	American Board for Certification in Orthotics, Prosthetics & Pedorthics	The Certified Prosthetic-Orthotic Technician (CTPO) certification measures users' knowledge and skills in providing technical support such as fabricates, repairs and maintains orthoses and/or prostheses; and is also proficient in current fabricating techniques, familiar with material properties and skilled in the use of appropriate equipment.	1 exam required; 125 multiple choice questions; 3 hours	Pathway 1 (Education Only): Successfully complete a Commission on Accreditation of Allied Health Education Programs (CAAHEP)/National Commission on Orthotic and Prosthetic Education (NCOPE) approved technician education program OR	Pathway 2 (Education and Experience) Education: High school diploma, GED or a college degree Experience: Two years of technical experience in the discipline(s) of application under the supervision of an ABC Certified Practitioner or an ABC Certified Technician in that discipline(s).	None	<a href="http://www.abcop.org">www.abcop.org</a>	
ACOPC004	Certified Outpatient Coder (COC)	American Academy of Professional Coders	The COC certification measures users' knowledge and skills in assigning accurate medical codes for diagnoses, procedures and services performed in the outpatient setting (emergency department visits, outpatient clinic visits, same day surgeries, diagnostic testing (radiology and laboratory), and outpatient therapies (physical therapy, occupational therapy, speech therapy, and chemotherapy).	1 exam required; 150 multiple choice questions; 5 hours 4 minutes	None	None	An associates degree and maintaining a current membership with the AAPC is recommended.	<a href="http://www.aapc.com/">www.aapc.com/</a>	
ACOPC005	Certified Professional Coder - Payer (CPC-P)	American Academy of Professional Coders	The CPC-P® certification demonstrates a coder's aptitude, proficiency and knowledge of coding guidelines and reimbursement methodologies for all types of services from the payer's perspective. Claims reviewers, utilization management, auditors, benefits administrators, billing service, provider relations, contracting and customer service staff can use a CPC-P® credential.	1 exam required; 150 multiple choice questions; 5 hours 4 minutes	None	None	An associates degree and maintaining a current membership with the AAPC is recommended.	<a href="http://www.aapc.com/">www.aapc.com/</a>	
ACOPC006	Certified Professional Coder (CPC)	American Academy of Professional Coders	The CPC certification measures users' knowledge and skills in Health and information documentation; ICD-9-CM diagnosis coding; CPT and HCPCS II coding; reimbursement; data quality and analysis; information and communication technologies; and compliance and regulatory issues.	1 exam required; 150 multiple choice questions; 5 hours 4 minutes	None	None	An associates degree and maintaining a current membership with the AAPC is recommended.	<a href="http://www.aapc.com/">www.aapc.com/</a>	
ACOPC007	Certified Professional Biller (CPB)	American Academy of Professional Coders	The CPB certification measures users' knowledge and skills in government regulations and private payer policies, follow-up on claim statuses, resolution of claim denials, appeals submission, posting of payments and adjustments, and collections management.	1 exam required; 150 multiple choice questions; 5 hours 4 minutes	None	None	An associates degree and maintaining a current membership with the AAPC is recommended.	<a href="http://www.aapc.com/">www.aapc.com/</a>	

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ACSM002	Certified Personal Trainer	American College of Sports Medicine	The ACSM Certified Personal Trainer certification measures knowledge and skills in demonstrating safe and effective methods of exercise by applying the fundamental principles of exercise science and in writing appropriate exercise recommendations.	1 exam required	Individuals must have a high school diploma or equivalent; Must be 18 years of age; have a current Adult CPR certification that has a practical skills examination component (such as the American Heart Association or the American Red Cross)	None	None	<a href="http://certification.acsm.org/">http://certification.acsm.org/</a>	
ADESK021	Autodesk Certified Professional - AutoCAD	Autodesk	The Autodesk Certified Professional - AutoCAD certification measures professional users' knowledge of the tools, features, and common tasks of the AutoCAD product, which is a 2D and 3D CAD application that allows users to design, visualize, and document ideas.	1 exam required; 120-minute performance based test with 35 questions.	None	None	It is recommended that an individual complete an Autodesk Official Training Courseware (AOTC) or equivalent plus 400 hours of hands-on application before sitting for the exam.	<a href="http://www.autodesk.com">www.autodesk.com</a>	
ADESK023	Autodesk Certified Professional - AutoCAD Civil 3D	Autodesk	The Autodesk Certified Professional - AutoCAD Civil 3D certification measures professional users' knowledge of the AutoCAD Civil 3D product, which provides project teams with a comprehensive surveying, design, analysis and documentation solution to deliver land development, transportation, and environmental projects.	1 exam required; 120-minute performance based test with 35 questions.	None	None	None	<a href="http://www.autodesk.com">www.autodesk.com</a>	
ADESK024	Autodesk Certified Professional - Inventor	Autodesk	The Autodesk Certified Professional - Inventor certification measures professional users' provides a comprehensive set of 3D modeling and mechanical design tools for producing, validating, and documenting complete digital prototypes.	1 exam required; 120-minute performance based test with 35 questions.	None	None	It is recommended that an individual complete an Autodesk Official Training Courseware (AOTC) or equivalent plus 400 hours of hands-on application before sitting for the exam.	<a href="http://www.autodesk.com">www.autodesk.com</a>	
ADESK025	Autodesk Certified Professional - Revit Architecture	Autodesk	The Autodesk Certified Professional - Revit Architecture certification measures professional users' knowledge of the Revit Architecture product, which provides building information modeling software and allows architects to focus on designing buildings, work in any view, iterate throughout the different design phases, and make changes to major compositional elements.	1 exam required; 120-minute performance based test with 35 questions.	None	None	It is recommended that an individual complete an Autodesk Official Training Courseware (AOTC) or equivalent plus 400 hours of hands-on application before sitting for the exam.	<a href="http://www.autodesk.com">www.autodesk.com</a>	
ADESK033	Autodesk Certified Associate in CAD for Mechanical Design	Autodesk	The Autodesk Certified Associate in CAD for Mechanical Design certification tests competencies in mechanical design skills for jobs as CAD technicians and mechanical designers in a competitive environment. This exam covers common skills that can be applied across a wide range of engineering and design industries, including aeronautical, aerospace, defense, automotive, mechanical, industrial design, manufacturing, medical and energy. Skills covered include drawing and organizing objects, project setup, 3D component modeling, 3D assembly modeling and management and technical detailed drawing creation.	1 exam required; 120 minutes; 45-60 questions	None	None	None	<a href="https://www.autodesk.com/certification/all-certifications/cad-mechanical-design-associate">https://www.autodesk.com/certification/all-certifications/cad-mechanical-design-associate</a>	Yes
ADESK034	Autodesk Certified Associate in CAM 2.5 Axis Milling for Machinists	Autodesk	The Autodesk Certified Associate in CAM for 2.5 Axis Milling certification tests competencies in computer-aided manufacturing (CAM) skills for 2.5 axis milling and prepares candidates for jobs as computer numerical control (CNC) programmer machinists in a competitive environment. This exam covers common skills that can be applied across a wide range of industries, including aeronautical, aerospace, defense, automotive, general manufacturing and medical. Skills covered include drawing and organizing objects; planning manufacturing processes; CAD modeling and model preparation, creating and simulating CNC milling toolpaths and creating documents for setting up and running a CNC mill.	1 exam required; 120 minutes; 45-60 questions	None	None	None	<a href="https://www.autodesk.com/certification/all-certifications/cam-axis-milling-associate">https://www.autodesk.com/certification/all-certifications/cam-axis-milling-associate</a>	Yes
AFHDI001	Certified Healthcare Documentation Specialist (CHDS)	Association for Healthcare Documentation Integrity (AHD)	The CHDS certification measures users' knowledge and skills needed to practice medical transcription effectively in a multispecialty acute-care facility, where variable specialties, document types, and difficulty of dictation necessitate an advanced level of clinical knowledge and interpretive ability.	1 exam required	None	None	None	<a href="http://www.ahdionline.org">www.ahdionline.org</a>	
AFHDI002	Registered Healthcare Documentation Specialist (RHDS)	Association for Healthcare Documentation Integrity (AHD)	The Registered Healthcare Documentation Specialist (RHDS) certification measures users' knowledge and skills in medical terminology; anatomy; physiology; disease processes; diagnostics – laboratory medicine, imaging, classification systems; and treatment – pharmacology, surgery.	1 exam required; 130 multiple choice questions and fill-in-the-blank transcription against audio.	None	None	None	<a href="http://www.ahdionline.org">www.ahdionline.org</a>	
AHCSM001	Certified Registered Central Service Technician	International Association of Healthcare Central Service Material Management	The Certified Registered Central Service Technician (CRCST) certification program is designed to recognize entry level and existing technicians who have demonstrated the experience, knowledge and skills necessary to provide competent services as a central service technician. CRCST's are integral members of the healthcare team who are responsible for decontaminating, inspecting, assembling, disassembling, packaging and sterilizing reusable surgical instruments or devices in a healthcare facility that are essential for patient safety.	1 computer based exam required, 150 multiple choice questions, 3 hours to complete.	None	None	CRCST certification requires the candidate to pass the certification exam and complete 400 hours of hands-on experience in a Central Service department. These hours can be completed before testing or within 6 months of passing the exam. IAHCSSM highly recommends completing, or at least beginning, hours of experience before testing.	<a href="https://www.iahcsmm.org/certification-menu/crcst-certification.html">https://www.iahcsmm.org/certification-menu/crcst-certification.html</a>	
AHIMA001	Certified Coding Associate (CCA)	American Health Information Management Association	The CCA certification measures users' knowledge and skills in health records and data content; health information requirements and standards; clinical classification systems; reimbursement methodologies; information and communication technologies; and privacy, confidentiality, legal and ethical issues.	1 exam required; 100 multiple choice, 2 hours	None	None	Recommended: 6 months coding experience directly applying codes; OR Completion of an AHIMA approved coding program (PCAP Program); OR Completion of other coding training program to include anatomy & physiology, medical terminology, Basic ICD diagnostic/procedural and Basic CPT coding.	<a href="http://www.ahima.org">www.ahima.org</a>	
AHIMA002	Certified Coding Specialist (CCS)	American Health Information Management Association	The Certified Coding Specialists (CCS) certification measures users' knowledge and skills in classifying medical data from patient records, usually in a hospital setting. CCS review patients' records and assign numeric codes for each diagnosis and procedure. They possess expertise in the ICD-9-CM and CPT coding systems as well as knowledge of medical terminology, disease processes, and pharmacology.	1 exam required (2 parts); Part 1 - 60 multiple choice questions; Part 2 (Medical Record Coding) - requires coding of 13 medical records containing seven outpatient records and six inpatient records	Completed coursework in anatomy and physiology, pathophysiology, and pharmacology, or demonstrated proficiency in these areas.	At least 3 years of on-the-job experience in hospital-based inpatient coding and Ambulatory/Outpatient Car coding for multiple case types.	None	<a href="http://www.ahima.org">www.ahima.org</a>	

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AHIMA003	Certified Coding Specialist - Physician-based (CCS-P)	American Health Information Management Association	The Certified Coding Specialist - Physician-based (CCS-P) certification measures users' knowledge and skills in physician-based settings and in-depth knowledge of the CPT coding system and familiarity with the ICD-9-CM and HCPCS Level II coding systems.	1 exam required (2 parts); Part 1 - 60 multiple choice questions; Part 2 (Medical Record Coding) - requires performance of diagnostic (ICD-9) and procedural (CPT and HCPCS Level II) coding for physician services	Completed coursework in anatomy and physiology, pathophysiology, and pharmacology, or demonstrated proficiency in these areas.	At least three years of on-the-job experience in coding for physician services in multiple settings utilizing codes in the E/M, surgery, medicine and/or anesthesia, radiology and laboratory chapters of CPT and HCPCS II.	None	<a href="http://www.ahima.org">www.ahima.org</a>	
AHIMA007	Registered Health Information Administrator (RHIA)	American Health Information Management Association	The RHIA certification measures users' knowledge and skills in managing patient health information and medical records, administering computer information systems, collecting and analyzing patient data, and using classification systems and medical terminologies; possessing comprehensive knowledge of medical, administrative, ethical and legal requirements and standards related to healthcare delivery and the privacy of protected patient information; managing people and operational units, participates in administrative committees, and prepares budgets; and interacting with all levels of an organization - clinical, financial, administrative, and information systems - that employ patient data in decision-making and everyday operations.	1 exam required; 180 four-option, multiple choice questions (160 scored questions and 20 pretest questions); 4 hours	None	None	None	<a href="http://www.ahima.org">www.ahima.org</a>	
AHIMA009	Registered Health Information Technician (RHIT)	American Health Information Management Association	The RHITS certification measures users' knowledge and skills in ensuring the quality of medical records by verifying their completeness, accuracy, and proper entry into computer systems; and using computer applications to assemble and analyze patient data for the purpose of improving patient care or controlling costs.	1 exam required; 150 four-option, multiple choice questions (130 scored questions and 20 pretest questions); 3.5 hours	None	None	None	<a href="http://www.ahima.org">www.ahima.org</a>	
AHIMA010	Certified in Health Care Privacy & Security (CHPS)	American Health Information Management Association	The CHPS certification measures users' knowledge and skills in management and administration; regulatory requirements, investigation and compliance; information technology; physical safeguards; and health information management.	1 exam required; 150 four-option, multiple choice questions (125 scored questions and 25 pretest questions); 3.5 hours	None	None	None	<a href="http://www.ahima.org">www.ahima.org</a>	
AHIMA011	Certified Healthcare Technology Specialist - Clinician/Practitioner Consultant (CHTS-CP)	American Health Information Management Association	The CHTS-CP certification measures users' knowledge and skills in solutions for health IT implementation problems in clinical and public health settings; workflow and data collection issues from a clinical perspective, including quality measurement and improvement; selection of vendors and software; and users' needs, acting as a liaison between users, IT staff, and vendors.	1 exam required; 125 multiple choice questions; 3 hours	None	None	None	<a href="http://www.ahima.org">www.ahima.org</a>	
AHIMA012	Certified Healthcare Technology Specialist - Implementation Manager (CHTS-IM)	American Health Information Management Association	The CHTS-IM certification measures users' knowledge and skills in project management and change management principles to create implementation project plans to achieve the project goals; interaction with office/hospital personnel to ensure open communication with the support team; and managing vendor relations, providing feedback to health IT vendors for product improvement.	1 exam required; 125 multiple choice questions; 3 hours	None	None	None	<a href="http://www.ahima.org">www.ahima.org</a>	
AHIMA013	Certified Healthcare Technology Specialist - Implementation Support Specialist (CHTS-IS)	American Health Information Management Association	The CHTS-IS certification measures users' knowledge and skills in implementation project plans, by installing hardware (as needed) and configuring software to meet practice needs; usability principles into design and implementation; testing the software against performance specifications; and interacting with the vendors as needed to rectify problems that occur during the deployment process.	1 exam required; 125 multiple choice questions; 3 hours	None	None	None	<a href="http://www.ahima.org">www.ahima.org</a>	
AHIMA014	Certified Healthcare Technology Specialist - Practice Workflow & Information Management Redesign Specialist (CHTS-PW)	American Health Information Management Association	The CHTS-PW certification measures users' knowledge and skills in conducting user requirements analysis to facilitate workflow design; integrating information technology functions into workflow; documenting health information exchange needs; designing processes and information flows that accommodate quality improvement and reporting; working with provider personnel to implement revised workflows; and evaluating process workflows to validate or improve practice's systems.	1 exam required; 125 multiple choice questions; 3 hours	None	None	None	<a href="http://www.ahima.org">www.ahima.org</a>	
AHIMA015	Certified Healthcare Technology Specialist - Technical/Software Support Staff (CHTS-TS)	American Health Information Management Association	The CHTS-TS certification measures users' knowledge and skills in interacting with end users to diagnose IT problems and implement solutions; documenting IT problems and evaluate the effectiveness of problem resolution; and supporting systems security and standards.	1 exam required; 125 multiple choice questions; 3 hours	None	None	None	<a href="http://www.ahima.org">www.ahima.org</a>	
AHIMA016	Certified Healthcare Technology Specialist - Trainer (CHTS-TR)	American Health Information Management Association	The CHTS-TR certification measures users' knowledge and skills in using a range of health IT applications, preferably at an expert level; assessing training needs and competencies of learners; and designing lesson plans, structuring active learning experiences for users.	1 exam required; 125 multiple choice questions; 3 hours	None	None	None	<a href="http://www.ahima.org">www.ahima.org</a>	
AHIMA017	Certified Documentation Improvement Practitioner (CDIP)	American Health Information Management Association	The CDIP certification measures users' knowledge and skills in clinical documentation in patient health records; health informatics and information management community; and capturing documentation necessary to fully communicate patients' health status and conditions.	1 exam required	An RHIA®, RHIT®, CCS®, CCS-P®, RN, MD or DO and two (2) years experience in clinical documentation improvement OR An Associate's degree or higher and three (3) years of experience in clinical documentation improvement (Individuals must also have completed coursework in Medical Terminology and Anatomy and Physiology)	None	None	<a href="http://www.ahima.org">www.ahima.org</a>	
AHIMA018	Certified Health Data Analyst (CHDA)	American Health Information Management Association	The CHDA designation certification measures users' knowledge to acquire, manage, analyze, interpret, and transform data into accurate, consistent, and timely information. CHDA-credentialed professionals exhibit broad organizational knowledge and the ability to communicate with individuals and groups at multiple levels, both internal and external.	1 exam required	Associate's degree and minimum of five (5) years of healthcare data experience •Healthcare information management credential (RHIT®) and minimum of three (3) years of healthcare data experience.	None	None	<a href="http://www.ahima.org">www.ahima.org</a>	
AMAMA001	Certified Medical Assistant (CMA)	American Association of Medical Assistants	The Certified Medical Assistant (CMA) certification measures knowledge and skills in ambulatory settings (clinics and medical offices) under the supervision of physicians. CMAs are capable of doing both clinical and administrative procedures and are tested in such procedures.	1 exam required; 200 multiple choice questions	Individuals must be a graduate of CAAHEP or ABHES accredited medical assisting program.	None	None	<a href="http://www.aama-ntl.org">www.aama-ntl.org</a>	
AMA0B001	Medical Laboratory Technician (MLT)	American Association of Bioanalysts (AAB)	The Medical Laboratory Technician (MLT) certification measures users' knowledge and skills in chemistry; hematology; immunology; immunochemistry, microbiology or molecular diagnostics.	1 exam required	Individuals must complete a clinical laboratory training program approved or accredited by an organization approved by the U.S. Department of Health and Human Services (HHS) OR Earn an associate degree (or the equivalent) in a laboratory science, or medical laboratory technology, from an accredited institution	None	None	<a href="http://www.aab.org">www.aab.org</a>	

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AMAOB002	Medical Technologist (MT(AAB))	American Association of Bioanalysts (AAB)	The American Association of Bioanalysts (AAB), Medical Technologist (MT(AAB)) certification recognizes professionals with advanced experience in chemistry, hematology, immunology, immunohematology, and microbiology. Candidates must demonstrate basic knowledge in general operations, regulatory compliance, patient confidentiality, information security, and administration. Candidates must pass a written examination.	2 exams required: MT(AAB) Basic Knowledge examination and the appropriate discipline examination	Requires a degree or completion of at least 60 semester hours from an accredited institution. See agency website for details on eligibility requirements.	None	None	<a href="https://www.aab.org/aab/MT.asp">https://www.aab.org/aab/MT.asp</a>	
AMAZN001	AWS Certified Solutions Architect - Associate	Amazon	The AWS Certified Solutions Architect - Associate certification measures users' knowledge and skills in designing and deploying scalable, highly available, and fault tolerant systems on AWS; lifting and shifting of an existing on-premises application to AWS; ingressing and egressing of data to and from AWS; selecting the appropriate AWS service based on data, compute, database, or security requirements; identifying appropriate use of AWS architectural best practices; and estimating AWS costs and identifying cost control mechanisms.	1 exam required; multiple choice and multiple answer questions; 80 minutes	Individuals must have one or more years of hands-on experience designing available, cost efficient, fault tolerant, and scalable distributed systems on AWS; in-depth knowledge of at least one high-level programming language; Ability to identify and define requirements for an AWS-based application; Experience with deploying hybrid systems with on-premises and AWS components; Capability to provide best practices for building secure and reliable applications on the AWS platform	Individuals must have one or more years of hands-on experience designing available, cost efficient, fault tolerant, and scalable distributed systems on AWS	None	<a href="https://aws.amazon.com/certification/certified-solutions-architect-associate/">https://aws.amazon.com/certification/certified-solutions-architect-associate/</a>	
AMAZN002	AWS Certified Cloud Practitioner	Amazon	The Amazon Web Services (AWS) Certified Cloud Practitioner enables individuals with an overall understanding of the AWS Cloud to validate their knowledge with an industry-recognized credential. The exam covers the following domains: cloud concepts, security, technology, and billing and pricing.	1 exam required; 90 minutes; multiple choice and multiple response; passing score of 65%.	None	None	It is recommend that candidates have at least six (6) months of experience with the AWS Cloud in any role, (e.g. technical, managerial, sales, purchasing, or financial). Candidates should also have a basic understanding of IT services and their uses in the AWS Cloud platform.	<a href="https://aws.amazon.com/certification/">https://aws.amazon.com/certification/</a>	
AMAZN003	AWS Certified Developer - Associate	Amazon	The AWS Certified Developer - Associate examination is intended for individuals who perform a development role and have one or more years of hands-on experience developing and maintaining an AWS-based application.	1 exam required; multiple choice, multiple answer; 130 min; minimum passing score of 720 (scale of 100-1,000)	None	None	None	<a href="https://aws.amazon.com/certification/certified-developer-associate/">https://aws.amazon.com/certification/certified-developer-associate/</a>	
AMAZN004	AWS Certified Data Analytics - Specialty	Amazon	The AWS Certified Data Analytics - Specialty (DAS-C01) certification is intended for individuals who perform in a data analytics-focused role. This exam validates an examinee's comprehensive understanding of using AWS services to design, build, secure, and maintain analytics solutions that provide insight from data. It validates an examinee's ability to: 1) Define AWS data analytics services and understand how they integrate with each other; and, 2) Explain how AWS data analytics services fit in the data lifecycle of collection, storage, processing, and visualization.	1 exam required (DAS-C01); 65 Multiple choice / multiple response questions; minimum passing score of 750 out of 1,000; 180 minutes	None	None	Intended for individuals with 5 years of experience with common data analytics technologies and 2 years of hands-on experience working on AWS.	<a href="https://www.credly.com/org/amazon-web-services/badge/aws-certified-data-analytics-specialty">https://www.credly.com/org/amazon-web-services/badge/aws-certified-data-analytics-specialty</a>	Yes
AMAZN005	AWS Certified Database - Specialty	Amazon	The AWS Certified Database - Specialty certification is intended for individuals who perform in a database-focused role. This exam validates an examinee's comprehensive understanding of databases, including the concepts of design, migration, deployment, access, maintenance, automation, monitoring, security, and troubleshooting. It validates an examinee's ability to: 1) Understand and differentiate the key features of AWS database services. 2) Analyze needs and requirements to design and recommend appropriate database solutions using AWS services.	1 exam required (DBS-C01); 65 multiple choice / multiple response questions; minimum passing score of 750 out of 1,000; 180 minutes	None	None	Intended for individuals with 5 years of experience with common data analytics technologies and 2 years of hands-on experience working on AWS.	<a href="https://aws.amazon.com/certification/certified-database-specialty/">https://aws.amazon.com/certification/certified-database-specialty/</a>	Yes
AMAZN006	AWS Certified Machine Learning - Specialty	Amazon	The AWS Certified Machine Learning - Specialty certification is intended for individuals who perform a development or data science role. This exam validates the candidate's ability to build, train, tune and deploy machine learning (ML) models using the AWS Cloud, and tests the ability to design, implement, deploy and maintain machine learning solutions for given business problems. The candidate is tested on the ability to: 1) Select and justify the appropriate ML approach for a given business problem; 2) Identify appropriate AWS services to implement ML solutions; and, 3) Design and implement scalable, cost-optimized, reliable and secure ML solutions.	1 exam required (MLS-C01); 65 multiple choice / multiple response questions; minimum passing score of 750 out of 1,000; 180 minutes	None	None	Intended for individuals with 1-2 years of experience developing, architecting, or running ML/deep learning workloads on the AWS Cloud.	<a href="https://aws.amazon.com/certification/certified-machine-learning-specialty/">https://aws.amazon.com/certification/certified-machine-learning-specialty/</a>	Yes
AMAZN007	AWS Certified Security - Specialty	Amazon	The AWS Certified Security - Specialty certification is intended for individuals who perform a security role with at least two years of hands-on experience securing AWS workloads. Competencies tested include specialized data classifications and AWS data protection mechanisms; data encryption methods and AWS mechanisms to implement them; secure Internet protocols and AWS mechanisms to implement them; AWS security services and features of services to provide a secure production environment; the ability to make tradeoff decisions with regard to cost, security, and deployment complexity given a set of application requirements; and, security operations and risk.	1 exam required; 65 multiple choice / multiple response questions; minimum passing score of 750 out of 1,000; 170 minutes	None	None	Intended for individuals who perform a security role with at least two years of hands-on experience securing AWS workloads.	<a href="https://aws.amazon.com/certification/certified-security-specialty/">https://aws.amazon.com/certification/certified-security-specialty/</a>	Yes
AMAZN008	AWS Certified SysOps Administrator- Associate	Amazon	The AWS Certified SysOps Administrator - Associate certification is intended for systems administrators in a systems operations role with at least one year of experience in deployment, management, and operations on AWS. Abilities validated include deploying, managing and operating scalable, highly available and fault-tolerant systems on AWS; implementing and controlling the flow of data to and from AWS; selecting the appropriate AWS service based on compute, data or security requirements; identifying appropriate use of AWS operational best practices; estimating AWS usage costs and identify operational cost control mechanisms; and, migrating on-premises workloads to AWS.	1 exam required; 65 multiple choice / multiple response questions; minimum passing score of 720 out of 1,000; 130 minutes	None	None	The AWS Certified SysOps Administrator – Associate examination is intended for systems administrators in a systems operations role with at least one year of experience in deployment, management, and operations on AWS.	<a href="https://aws.amazon.com/certification/certified-sysops-admin-associate/">https://aws.amazon.com/certification/certified-sysops-admin-associate/</a>	Yes

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AMDDA003	Certified Drafter - Architectural	American Design Drafting Association	The Certified Drafter - Architectural certification measures knowledge and skills in abbreviations, terms and identification; drafting processes: communication; details: notations; site drawings and topography; floor plans and layouts; exterior views: elevations; building materials; roofs and roof plans; building codes and ADA codes; general building systems; stairs and steps; electrical; HVAC; schedules; plumbing; geometry, lines and math; and foundations.	1 exam required; 120 minutes; 410 questions; passing score of 75% or greater.	None	None	One year On-the-Job Training or 400 – 600 Contact Hours of Practical Discipline Specific Education is recommended prior to taking the Apprentice Drafter "AD" certification exam.	<a href="http://www.adda.org">www.adda.org</a>	
AMDDA004	Certified Drafter - Mechanical	American Design Drafting Association	The Certified Drafter - Mechanical certification measures knowledge and skills in general terminology and identification; equipment, techniques, and drawing rules and principles; dimensioning and layouts; descriptive geometry; multi view drawing; identification and terminology; sectional views: identification and terminology; pictorials: identification and terminology; auxiliary views: identification and terminology; revolutions: usage and applications; intersections: usage and applications; geometric dimensioning & tolerancing; working drawings: identification and numbering; threads, fasteners, connections and welding; drafting math and geometry; and drawing management.	1 exam required; 180 minutes; 400 questions; passing score of 75% or greater.	None	None	Two years On-the-Job Training or 800 – 1200 Contact Hours of Practical Discipline Specific Education is recommended prior to taking the Certified Drafter "CD" certification exam.	<a href="http://www.adda.org">www.adda.org</a>	
AMEDT002	Medical Laboratory Technician	American Medical Technologists (AMT)	The Medical Laboratory Technician certification measures users' knowledge to interpret graphic illustrations, interpret information presented in case studies, analyze situations, and solve problems. The examination covers: general laboratory; chemistry; hematology; immunology/immunohematology; microbiology; and urinalysis.	1 exam required; 3 hours	Individuals must graduate from an accredited college or university with an associate's degree in medical lab technology or equivalent; OR Complete at least two years (60 semester hours) of courses in any accredited college, including 25 semester hours in clinical laboratory science disciplines AND six months of approved lab experience.	None	None	<a href="http://www.amt1.com">www.amt1.com</a>	
AMEDT004	Registered Medical Assistant (RMA)	American Medical Technologists (AMT)	The Registered Medical Assistant (RMA) 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; 210 multiple choice questions; 2 hours	Applicants must be a graduate of, or scheduled to graduate from: a medical assistant program that holds programmatic accreditation by the Accrediting Bureau of Health Education Schools (ABHES) or the Commission on Accreditation of Allied Health Education Programs (CAAHEP); a medical assistant program in a post-secondary school or college that has institutional accreditation by a Regional Accrediting Commission or by a national accrediting organization approved by the U.S. Department of Education, which program includes a minimum of 720 clock-hours (or equivalent) of training in Medical Assisting skills (including a clinical externship).	None	None	<a href="http://www.amt1.com">www.amt1.com</a>	
AMOPT001	Certified Paraoptometric Assistant (CPOA)	American Optometric Association	The CPOA™ certification measures users' knowledge and skills in taking detailed patient histories, measuring visual acuity, measuring the curvature of the cornea (Keratometry), glaucoma screening, blood pressure testing, and measuring the distance between the pupils of the eye.	1 exam required; 200 multiple choice questions	None	None	None	<a href="http://www.aoa.org">www.aoa.org</a>	
AMRRT002	Registered Technologist (Radiography)	American Registry of Radiologic Technologists	The Registered Technologist (Radiography) certification measures knowledge and skills in radiation protection; equipment operation and quality control; image acquisition and evaluation; imaging procedures; and patient care and education.	1 exam required; 200 questions; 3.5 hours	Within the past five years, individuals must have successfully completed an educational program that is accredited by a mechanism acceptable to the ARRT. All individuals for primary pathway certification must have earned an academic degree before becoming certified. As part of their education, individuals must also demonstrate competency in didactic coursework and an ARRT-specified list of clinical procedures by completing competency requirements established for the discipline in which they are seeking certification.	None	None	<a href="http://www.rrt.org">www.rrt.org</a>	
AMRRT003	Radiologic Technologist (Sonography)	American Registry of Radiologic Technologists	The Radiologic Technologist (Sonography) certification measures knowledge and skills in patient care; physical principles of ultrasound; abdominal procedures; obstetrical and gynecological procedures; and superficial structures and other sonographic procedures.	1 exam required; 360 questions; 6.5 hours	Within the past five years, individuals must have successfully completed an educational program that is accredited by a mechanism acceptable to the ARRT. All individuals for primary pathway certification must have earned an academic degree before becoming certified. As part of their education, individuals must also demonstrate competency in didactic coursework and an ARRT-specified list of clinical procedures by completing competency requirements established for the discipline in which they are seeking certification.	None	None	<a href="http://www.rrt.org">www.rrt.org</a>	
AMRRT005	Registered Technologist - Quality Management (R.T.)	American Registry of Radiologic Technologists	The Registered Technologist - Quality Management (R.T.) certification measures knowledge and skills in equipment quality control; quality improvement management and administration; and laws, regulations, standards and guidelines.	1 exam required; 165 questions; 3.5 hours	Within the past five years, individuals must have successfully completed an educational program that is accredited by a mechanism acceptable to the ARRT. All individuals for primary pathway certification must have earned an academic degree before becoming certified. As part of their education, individuals must also demonstrate competency in didactic coursework and an ARRT-specified list of clinical procedures by completing competency requirements established for the discipline in which they are seeking certification.	None	None	<a href="http://www.rrt.org">www.rrt.org</a>	
AMRRT006	Registered Technologist (Nuclear Medicine)	American Registry of Radiologic Technologists	The Registered Technologist (Nuclear Medicine) certification measures knowledge and skills in radiation protection; radionuclides and radiopharmaceuticals; instrumentation and quality control; diagnostic and therapeutic procedures; and patient care and education.	1 exam required; 200 questions; 3.5 hours	Within the past five years, individuals must have successfully completed an educational program that is accredited by a mechanism acceptable to the ARRT. All individuals for primary pathway certification must have earned an academic degree before becoming certified. As part of their education, individuals must also demonstrate competency in didactic coursework and an ARRT-specified list of clinical procedures by completing competency requirements established for the discipline in which they are seeking certification.	None	None	<a href="http://www.rrt.org">www.rrt.org</a>	

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AMRRT007	Registered Technologist (Radiation Therapy)	American Registry of Radiologic Technologists	The Registered Technologist (Radiation Therapy) certification measures knowledge and skills in radiation protection and quality assurance; clinical concepts in radiation oncology; treatment planning; treatment delivery; and patient care and education.	1 exam required; 200 questions; 3.5 hours	Within the past five years, individuals must have successfully completed an educational program that is accredited by a mechanism acceptable to the ARRT. All individuals for primary pathway certification must have earned an academic degree before becoming certified. As part of their education, individuals must also demonstrate	None	None	<a href="http://www.arryt.org">www.arryt.org</a>	
AMRRT008	Computed Tomography (CT)	American Registry of Radiologic Technologists	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.	1 exam required; 200 questions; 3.5 hours	Within the past five years, individuals must have successfully completed an educational program that is accredited by a mechanism acceptable to the ARRT. All individuals for primary pathway certification must have earned an academic degree before becoming certified. As	None	None	<a href="http://www.arryt.org">www.arryt.org</a>	
AMRRT009	Registered Technologist-Cardiac Interventional Radiography (CI)	American Registry of Radiologic Technologists (AART)	The Registered Technologist-Cardiac Interventional Radiography certification tests competencies needed to assist physicians with minimally invasive, image-guided procedures to help diagnose and treat heart and blood vessel diseases without surgery. Knowledge of the following topics are assessed: the use of fluoroscopic equipment to take images of the heart and surrounding blood vessels surrounding it, and procedures such as angioplasty, stenting, thrombolysis, embolization, ablation and biopsies.	1 exam required; 170 questions (145 scored, 25 unscored pilot items); 3 hour test duration	An associate's degree or higher and completion of an ARRT approved educational program in the same discipline pursued	None	None	<a href="http://www.arryt.org">www.arryt.org</a>	Yes
AMRRT010	Registered Technologist - Magnetic Resonance Imaging (MRI)	American Registry of Radiologic Technologists (AART)	The Registered Technologist - Magnetic Resonance Imaging (MRI) exam assesses knowledge and cognitive skills underlying the intelligent performance of the tasks typically required of MRI technologists at entry into the profession. Competencies in the following content areas are assessed: patient care, safety, image production and procedures.	1 exam required; 220 questions (200 scored, 20 unscored pilot items); 3.5 hour test duration	An associate's degree or higher and completion of an ARRT approved educational program in the same discipline pursued	None	None	<a href="http://www.arryt.org">www.arryt.org</a>	Yes
AMRRT011	Registered Technologist - Mammography (M)	American Registry of Radiologic Technologists (AART)	The Registered Technologist - Mammography (M) certification exam assesses competencies in the following content areas: patient care, image production and procedures.	1 exam required; 140 questions (115 scored, 25 unscored pilot items); 2.5 hour test duration	Education Requirement: Being ARRT certified & registered in appropriate category; meeting structured education requirement (16 hours); clinical experience (24 months)	24 months of clinical experience	None	<a href="http://www.arryt.org">www.arryt.org</a>	Yes
AMRRT012	Registered Technologist - Vascular Interventional Radiography (VI)	American Registry of Radiologic Technologists (AART)	The Registered Technologist - Vascular Interventional Radiography (VI) exam assesses knowledge and cognitive skills underlying the intelligent performance of the tasks typically required of vascular-interventional radiographers at entry into the profession. Competencies in the following content areas are assessed: patient care, image production and procedures.	1 exam required; 210 questions (160 scored, 50 unscored pilot items); 3.5 hour test duration	Education Requirement: Being ARRT certified & registered in appropriate category; meeting structured education requirement (16 hours); clinical experience (24 months)	24 months of clinical experience	None	<a href="http://www.arryt.org">www.arryt.org</a>	Yes
AMSCP001	Histotechnologist, HTL(ASCP)	American Society of Clinical Pathology	The Histotechnologist, HTL(ASCP) certification measures users' knowledge and skills in histotechnology: fixation, processing, embedding/microtomy, staining, and laboratory operations.	1 exam; 100 multiple choice questions; 2.5 hours	None	None	None	<a href="http://www.ascp.org">www.ascp.org</a>	
AMSCP002	Medical Laboratory Technician (MLT(ASCP))	American Society of Clinical Pathology	The Medical Laboratory Technician (MLT(ASCP)) certification measures users' knowledge and skills in assisting doctors and specialists in performing a wide range of tests on blood, tissue and other bodily fluids, the results of which can then be used to diagnose and treat patients.	1 exam required; 100 multiple choice questions; 2 hours and 30 minutes	There are four different routes to eligibility for this certification. All routes require an associate degree or at least 60 semester hours. Refer to the industry certification agency website for specific details.	None	None	<a href="http://www.ascp.org">www.ascp.org</a>	
AMSCP005	Medical Laboratory Scientist (MLS)	American Society of Clinical Pathology	The Medical Laboratory Scientist (MLS) exam tests competencies in blood banking, urinalysis and other body fluids, chemistry, hematology, immunology, microbiology, and laboratory operations.	1 exam required; 100 questions; 2 hour 30 minute time frame; multiple-choice with one best answer. The certification exam is administered using the format of computer adaptive testing (CAT).	Requires a bachelor's degree, and completion of NAACLS accredited Medical Laboratory Scientist program within the last five years.	None	None	<a href="https://www.ascp.org/content/board-of-certification">https://www.ascp.org/content/board-of-certification</a>	
AMSFQ001	Manager of Quality/Organizational Excellence	American Society for Quality	The Certified Manager of Quality/Organizational Excellence certification measures users' knowledge to facilitate and lead team efforts to establish and monitor customer/supplier relations, support strategic planning and deployment initiatives, and help develop measurement systems to determine organizational improvement.	1 exam (2 parts); 150 multiple choice questions; two constructed response (essay) questions; 4 hours	None	10 years of on-the-job experience in one or more of the areas of the Certified Manager of Quality/Organizational Excellence Body of Knowledge. A minimum of five years of this experience must be in a decision-making position, defined as the authority to define, execute or control projects/processes and to be responsible for the outcome. This may or may not include management or supervisory positions.	None	<a href="http://www.asq.org">www.asq.org</a>	
AMSFQ006	Quality Improvement Associate (CQIA)	American Society for Quality	The Certified Quality Improvement Associate certification measures users' knowledge of quality concepts, team basics, continuous improvement techniques, and customer-supplier relations.	1 exam required; 100 multiple choice questions; 3 hours	None	Two years of work experience or an associate degree	None	<a href="http://www.asq.org">www.asq.org</a>	
AMSFQ011	Six Sigma Black Belt (CSSBB)	American Society for Quality	The Certified Six Sigma Black Belt certification measures users' knowledge and skills in Six Sigma philosophies and principles, including supporting systems and tools. A Black Belt should demonstrate team leadership, understand team dynamics and assign team member roles and responsibilities.	1 exam required; 150 multiple choice questions; 4 hours	Requires two completed projects with signed affidavits or one completed project with signed affidavit	Requires three years of work experience	None	<a href="http://www.asq.org">www.asq.org</a>	
AMSFQ012	Six Sigma Green Belt (CSSGB)	American Society for Quality	The Six Sigma Green Belt certification measures users' knowledge to operate in support of or under the supervision of a Six Sigma Black Belt, analyzes and solves quality problems and is involved in quality improvement projects.	1 exam required; 100 multiple choice questions; 4 hours	None	Requires three years of work experience	None	<a href="http://www.asq.org">www.asq.org</a>	
AMSTL004	Professional Designation in Supply Chain Management (PLS)	Association of Supply Chain Management (ASCM)	The Professional Designation in Logistics and Supply Chain Management (PLS) certification measures users' knowledge and skills in the understanding of the key strategies for improving customer service and increasing the efficiency of their logistics and supply chain operations.	1 exam; multiple choice questions	None	None	None	<a href="http://www.apics.org">www.apics.org</a>	
APICS001	Certified in Logistics, Transportation, and Distribution (CLTD)	Association of Supply Chain Management (ASCM)	The Certified in Logistics, Transportation, and Distribution (CLTD) certification measures users' knowledge and skills in a broad range of supply chain logistics topics.		3 years of related business experience or Bachelor's degree or the international equivalent*, or CPIM, CLTD or CSCP, CTL, CFPIM, CIRM, SCOR-P, C.P.M., CSM or CPSM designations	None	None	<a href="http://www.apics.org">www.apics.org</a>	
ARDMS001	Registered Diagnostic Cardiac Sonographer (RDCS)	American Registry for Diagnostic Medical Sonography	The RDCS certification measures users' knowledge and skills in sonography principles and instrumentation (SPI); adult echocardiography (AE); fetal echocardiography (FE); and pediatric echocardiography (PE).	2 exams required (Physics and Specialty)	None	None	None	<a href="http://www.ardms.org">www.ardms.org</a>	

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ARDMS002	Registered Diagnostic Medical Sonographer (RDMS)	American Registry for Diagnostic Medical Sonography	The RDMS certification measures users' knowledge and skills in using special equipment to direct nonionizing, high frequency sound waves into areas of the patient's body. This certification covers the following areas: physics examination: sonography principles and instrumentation and five specialty examinations: abdomen, breast, fetal echocardiography, neurosonology, and obstetrics and gynecology.	1 exam required	First-time applicants must select a prerequisite under which they want to apply for an ARDMS specialty examination and/or the Sonography Principles & Instrumentation (SPI) examination. Each prerequisite requires (1) the appropriate educational background, (2) necessary clinical ultrasound or vascular experience and (3) required documentation that must be submitted with the application. All three components of the prerequisite must be met before an application can be approved.	None	None	<a href="http://www.ardms.org">www.ardms.org</a>	
ARDMS003	Registered Vascular Technologist	American Registry for Diagnostic Medical Sonography	The RVT certification measures users' knowledge and skills in sonography principles and instrumentation (SPI) and vascular technology (VT). The VT examination assesses the knowledge, skills and abilities in the areas of anatomy and hemodynamics (blood flow) of cerebrovascular, venous, peripheral and abdominal blood vessels.	2 exams required (Physics and Specialty)	None	None	None	<a href="http://www.ardms.org">www.ardms.org</a>	
AWELD003	AWS Certified Welder - FCAW Plate	American Welding Society	AWS Certified Welder – Flux Core Arc Welding (FCAW) Plate is a basic structural practical hands-on guild-welding test certification. It measures a welder's skill to deposit sound weld metal in the 3G vertical position on V-groove 3/8" plate with backing plate using an E71T filler wire from the root, fill, to the cap passes. AWS – D1.1 Structural codes and procedures governs the 3/8" plate test for qualification and certification. This test shall be inspected using both (NDT) Non- Destructive testing (VT) Visual Testing, coupled with a guided bend test to determine if the weld test meets the criteria of the governing codes and procedures.	1 exam required	An individual must deposit a sound weld that will be inspected by an AWS Certified Welding Inspector (CWI) at an AWS Accredited Test Facility (ATF).	None	None	<a href="https://www.aws.org/certification/page/certified-welder-program">https://www.aws.org/certification/page/certified-welder-program</a>	
AWELD004	AWS Certified Welder - GMAW Plate	American Welding Society	AWS Certified Welder – Gas Metal Arc Welding (GMAW) Plate is a basic structural practical hands-on guild-welding test certification. It measures a welder's skills to deposit sound weld metal in the 3G vertical position on open V-groove 3/8" plate with or without backing plate using ER70S-X filler metal from the root, fill, to the cap passes. Note: 3G vertical root will be downhill with the remainder fill and cap up-hill. AWS – D1.1 Structural codes and procedures governs the 3/8" plate test for qualification and certification. This test shall be inspected using both (NDT) Non- Destructive testing (VT) Visual Testing, coupled with a guided bend test to determine if the weld test meets the criteria of the governing codes and procedures.	1 exam required	An individual must deposit a sound weld that will be inspected by an AWS Certified Welding Inspector (CWI) at an AWS Accredited Test Facility (ATF).	None	None	<a href="https://www.aws.org/certification/page/certified-welder-program">https://www.aws.org/certification/page/certified-welder-program</a>	
AWELD005	AWS Certified Welder - GTAW Pipe (Carbon Steel)	American Welding Society	AWS Certified Welder – Gas Tungsten Arc Welding (GTAW) Pipe – Carbon Steel is considered a Class A pipe welder certification. This is a hands-on guild-welding test and it measures a welder's skill to deposit sound weld metal in an all in one 6G position on 2" carbon steel Schedule 80 pipe. This test will be welded-out using ER70S-X wire from the root pass, fill, to the cap passes. (ASME) American Society of Mechanical Engineers - Section 1 X Boiler and Pressure Vessel Codes and procedures, governs the 2" - pipe weld test for qualification and certification. This test shall be inspected by using both (NDT) Non- Destructive testing (VT) Visual Testing, and or x-ray, coupled with a guided bend test to determine if the weld test meets the criteria of the governing codes and procedures.	1 exam required	An individual must deposit a sound weld that will be inspected by an AWS Certified Welding Inspector (CWI) at an AWS Accredited Test Facility (ATF).	None	None	<a href="https://www.aws.org/certification/page/certified-welder-program">https://www.aws.org/certification/page/certified-welder-program</a>	
AWELD006	AWS Certified Welder - GTAW Pipe (Stainless Steel to Carbon Steel)	American Welding Society	AWS Certified Welder – Gas Tungsten Arc Welding (GTAW) Pipe – Stainless Steel to Carbon Steel is considered a Class A pipe welder certification on dissimilar metals, stainless steel filler metal to carbon steel base metal. This is a hands-on guild-welding test and it measures a welder's skill to deposit sound weld metal in an all in one 6G position on 2" Schedule 80 carbon steel pipe. This test will be welded-out using 309L filler metal from the root pass, fill, to the cap passes, and purged with a backing gas argon. (ASME) American Society of Mechanical Engineers - Section 1 X Boiler and Pressure Vessel Codes and procedures, governs the 2" - pipe weld test for qualification and certification. This test shall be inspected by using both (NDT) Non- Destructive testing (VT) Visual Testing, and or x-ray, coupled with a guided bend test to determine if the weld test meets the criteria of the governing codes and procedures.	1 exam required	An individual must deposit a sound weld that will be inspected by an AWS Certified Welding Inspector (CWI) at an AWS Accredited Test Facility (ATF).	None	None	<a href="https://www.aws.org/certification/page/certified-welder-program">https://www.aws.org/certification/page/certified-welder-program</a>	
AWELD007	AWS Certified Welder - GTAW Pipe (Stainless Steel)	American Welding Society	AWS Certified Welder – Gas Tungsten Arc Welding (GTAW) Pipe – Stainless Steel is considered a Class A pipe welder certification. This is a hands-on guild-welding test and it measures a welder's skill to deposit sound weld metal in an all in one 6G position on 2" Schedule 10 stainless steel alloy pipe. This test will be welded-out using 316L filler metal from the root pass, fill, to the cap passes, and purged with a backing gas argon. (ASME) American Society of Mechanical Engineers - Section 1 X Boiler and Pressure Vessel Codes and procedures, governs the 2" - pipe weld test for qualification and certification. This test shall be inspected using both (NDT) Non- Destructive testing (VT) Visual Testing, coupled with a guided bend test to determine if the weld test meets the criteria of the governing codes and procedures.	1 exam required	An individual must deposit a sound weld that will be inspected by an AWS Certified Welding Inspector (CWI) at an AWS Accredited Test Facility (ATF).	None	None	<a href="https://www.aws.org/certification/page/certified-welder-program">https://www.aws.org/certification/page/certified-welder-program</a>	
AWELD008	AWS Certified Welder - GTAW Plate	American Welding Society	AWS Certified Welder – Gas Tungsten Arc Welding (GTAW) Plate is a basic structural practical hands-on guild-welding test certification. It measures a welder's skill to deposit sound weld metal in the 3G vertical position on open V-groove 3/8" plate with or without backing plate using an ER70S-X filler metal from the root pass, fill, to the cap passes. AWS – D1.1 Structural codes and procedures governs the 3/8" plate test for qualification and certification. This test shall be inspected using both (NDT) Non- Destructive testing (VT) Visual Testing, coupled with a guided bend test to determine if the weld test meets the criteria of the governing codes and procedures.	1 exam required	An individual must deposit a sound weld that will be inspected by an AWS Certified Welding Inspector (CWI) at an AWS Accredited Test Facility (ATF).	None	None	<a href="https://www.aws.org/certification/page/certified-welder-program">https://www.aws.org/certification/page/certified-welder-program</a>	

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AWELD009	AWS Certified Welder - GTAW/SMAW Pipe (Carbon Steel)	American Welding Society	AWS Certified Welder – Gas Tungsten Arc Welding (GTAW) Pipe – Carbon Steel is considered a Class A pipe welder certification. This is a hands-on guild-welding test and it measures a welder’s skill to deposit sound weld metal in an all in one 6G position on 2” carbon steel Schedule 80 pipe. This test will be welded-out using ER70S-X wire from the root pass, fill, to the cap passes. (ASME) American Society of Mechanical Engineers - Section 1 X Boiler and Pressure Vessel Codes and procedures, governs the 2”- pipe weld test for qualification and certification. This test shall-be inspected by using both (NDT) Non- Destructive testing (VT) Visual Testing, and or x-ray, coupled with a guided bend test to determine if the weld test meets the criteria of the governing codes and procedures.	1 exam required	An individual must deposit a sound weld that will be inspected by an AWS Certified Welding Inspector (CWI) at an AWS Accredited Test Facility (ATF).	None	None	<a href="https://www.aws.org/certification/page/certified-welder-program">https://www.aws.org/certification/page/certified-welder-program</a>	
AWELD010	AWS Certified Welder - GTAW/SMAW Pipe (Chrome PWHT)	American Welding Society	AWS Certified Welder – Gas Tungsten Arc Welding (GTAW)/Shielded Metal Arc Welding (SMAW) Pipe – Chrome, Post Weld Heat Treatment (PWHT) is considered a Class A pipe welder certification. This is a hands-on guild-welding test and it measures a welder’s skill to deposit sound weld metal in an all in one 6G position on 2-3/4” OD 0.625 wall pipe. This test will be welded-out using ER80S-B2 wire on the root and hot pass portion and E8018-B2 on the remainder fill and cap. This test will also use the Post Weld Heat Treatment (PWHT) for the duration of the entire test. (ASME) American Society of Mechanical Engineers - Section 1 X Boiler and Pressure Vessel Codes and procedures, governs the 2”- pipe weld test for qualification and certification. This test shall-be inspected using both (NDT) Non- Destructive testing (VT) Visual Testing, coupled with a guided bend test to determine if the weld test meets the criteria of the governing codes and procedures.	1 exam required	An individual must deposit a sound weld that will be inspected by an AWS Certified Welding Inspector (CWI) at an AWS Accredited Test Facility (ATF).	None	None	<a href="https://www.aws.org/certification/page/certified-welder-program">https://www.aws.org/certification/page/certified-welder-program</a>	
AWELD011	AWS Certified Welder - SMAW Pipe	American Welding Society	AWS Certified Welder – Shielded Metal Arc Welding (SMAW) Pipe is considered a Class B pipe welder certification. This is a hands-on guild-welding test and it measures a welder’s skill to deposit sound weld metal in an all in one 6G position on 6” Schedule 40 pipe. On the root portion of the test will be welded with E6010 and the remainder fill and cap will be welded with E7018. (ASME) American Society of Mechanical Engineers - Section 1 X Boiler and Pressure Vessel Codes and procedures, governs the 2”- pipe weld test for qualification and certification. This pipe test shall-be inspected using both (NDT) Non- Destructive testing (VT) Visual Testing, and or x-ray, coupled with a guided bend test to determine if the weld test meets the criteria of the governing codes and procedures.	1 exam required	An individual must deposit a sound weld that will be inspected by an AWS Certified Welding Inspector (CWI) at an AWS Accredited Test Facility (ATF).	None	None	<a href="https://www.aws.org/certification/page/certified-welder-program">https://www.aws.org/certification/page/certified-welder-program</a>	
AWELD012	AWS Certified Welder - SMAW Plate	American Welding Society	AWS Certified Welder – Shielded Metal Arc Welding (SMAW) Plate is a basic structural practical hands-on guild-welding test certification. It measures a welder’s skills to deposit sound weld metal in the 3G vertical position on open V-groove 3/8” plate with or without backing plate using an E6010 for the open root portion and an E7018 for the remainder passes fill and cap. AWS – D1.1 Structural codes and procedures governs the 3/8” plate test for qualification and certification. This test shall be inspected by using both (NDT) Non- Destructive testing (VT) Visual Testing, coupled with a guided bend test to determine if the weld test meets the criteria of the governing codes and procedures.	1 exam required	An individual must deposit a sound weld that will be inspected by an AWS Certified Welding Inspector (CWI) at an AWS Accredited Test Facility (ATF).	None	None	<a href="https://www.aws.org/certification/page/certified-welder-program">https://www.aws.org/certification/page/certified-welder-program</a>	
AWELD013	AWS Certified Welder - S.S 18 Gauge through 10 Gauge	American Welding Society	AWS Certified Welder – Gas Tungsten Arc Welding (GTAW) 18 through 10 Gauge plate test is a basic structural practical hands-on guild-welding test certification. It measures a welder’s skill to deposit sound weld metal in the 3G vertical position using a purge block and ER3XX filler metal for the root pass and cap. AWS – D17.1 Specification for Fusion Welding for Aerospace Application and procedures governs the 18 through 10 Gauge plate test for qualification and certification. This test shall-be inspected using both (NDT) Non- Destructive testing (VT) Visual Testing, coupled with an x-ray to determine if the weld test meets the criteria of the governing codes and procedures.	1 exam required	An individual must deposit a sound weld that will be inspected by an AWS Certified Welding Inspector (CWI) at an AWS Accredited Test Facility (ATF).	None	None	<a href="https://www.aws.org/certification/page/certified-welder-program">https://www.aws.org/certification/page/certified-welder-program</a>	Yes
AWELD014	AWS Certified Welder - GTAW/SMAW Pipe (Combo Carbon Steel)	American Welding Society	AWS Certified Welder – Shielded Metal Arc Welding (SMAW) and Gas Tungsten Arc Welding (GTAW) Combo pipe is considered a Class B pipe welder certification. This is a hands-on guild-welding test and it measures a welder’s skill to deposit sound weld metal in an all-in-one 6G position on 6” Schedule 40 pipe. The root portion of the test will be welded with ER70S-2 and the remainder fill and cap will be welded with E7018. American Society of Mechanical Engineers - Boiler and Pressure Vessel Codes (ASME IX) and Procedures, govern pipe weld test for qualification and certification. This pipe test shall-be inspected Non- Destructive testing (VT) Visual Testing, and/or x-ray to determine if the weld test meets the criteria of the governing codes and procedures.	1 exam required	An individual must deposit a sound weld that will be inspected by an AWS Certified Welding Inspector (CWI) at an AWS Accredited Test Facility (ATF).	None	None	<a href="https://www.aws.org/certification/page/certified-welder-program">https://www.aws.org/certification/page/certified-welder-program</a>	Yes
BNENT001	Certified Hemodialysis Technologist/Technician	Board of Nephrology Examiners Inc. Nursing and Technology	The Certified Hemodialysis Technologist/Technician certification measures users’ knowledge and skills in patient care; machine technology; water treatment; dialyzer reprocessing; and education/personal development.	1 exam required; 150 multiple choice questions; 3 hours	A copy of the candidate's high school diploma or official transcript (with principal's signature and/or school seal), a minimum of 12 months of experience in nephrology patient care and current active participation in an ESRD facility. If the candidate has no experience as a patient care technician/technologist, the candidate may apply to take the BONENT exam within 2 years of successful completion of a BONENT Approved Program.	None	None	<a href="http://www.bonent.org/">www.bonent.org/</a>	
BRPST001	Registered Polysomnographic Technologist	Board of Registered Polysomnographic Technologists	The Registered Polysomnographic Technologist (RPSGT) certification is for health care professionals who clinically assess patients with sleep disorders. The successful candidate will have knowledge of sleep disorders and diagnostic criteria, sleep related co-morbidities, anatomy and physiology, neurophysiology, cardiac physiology, respiratory physiology, sleep physiology, scoring rules, practice parameters, testing procedures, medications and over-the-counter products, basic knowledge of computers, EEG waveform morphology, instrumentation, intervention/treatment/therapy modalities and treatment modalities.	1 exam; 175 multiple choice questions (150 scored and 25 unscored); 180 minutes; scaled score of 350 represents minimum passing score (scaled scores range from 200 to 500)	There are 5 eligibility pathways. See website for details: <a href="https://www.brpt.org/rpsgt/eligibility/">https://www.brpt.org/rpsgt/eligibility/</a> .	None	None	<a href="https://www.brpt.org/">https://www.brpt.org/</a>	Yes
CCINT002	Registered Cardiac Sonographer (RCS)	Cardiovascular Credentialing International	The RCS certification measures users' knowledge and skills in general policies, procedures and standards; performing echocardiographic examinations; performing specialized echocardiographic techniques; and pathophysiology of cardiovascular diseases/therapeutic measures.	1 exam required; 170 multiple choice questions; 3 hours	A high school diploma or general education diploma at the time of application.	None	None	<a href="http://www.cci-online.org">www.cci-online.org</a>	



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CCINT003	Registered Cardiovascular Invasive Specialist	Cardiovascular Credentialing International	The RCIS certification measures users' knowledge and skills in conducting pre-procedural activities; conducting intra-procedural activities; performing invasive procedures; and conducting post-procedural activities.	1 exam required; 170 multiple choice questions; 3 hours	A high school diploma or general education diploma at the time of application.	None	None	<a href="http://www.cci-online.org">www.cci-online.org</a>	
CCINT004	Registered Vascular Specialist	Cardiovascular Credentialing International	The RVS certification measures users' knowledge and skills in maintaining information, facility, and safety; applying physical principles; performing abdominal/visceral examinations; performing extracranial/intracranial examinations; performing peripheral arterial examinations; performing peripheral venous examinations; and performing special procedures.	1 exam required; 170 multiple choice questions; 3 hours	A high school diploma or general education diploma at the time of application.	None	None	<a href="http://www.cci-online.org">www.cci-online.org</a>	
CDREG001	Dietetic Technician, Registered (DTR)	Commission on Dietetic Registration	The DTR certification measures users' knowledge and skills for the delivery of safe, culturally competent, quality food and nutrition services. DTRs are an integral part of healthcare and food service management teams.	1 exam required; 110-130 multiple choice questions	Completed a minimum of an Associate degree granted by a U.S. regionally accredited college or university, or foreign equivalent; a minimum of 450 supervised practice hours through a Dietetic Technician Program as accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND) of the Academy of Nutrition and Dietetics; successfully completed the Registration Examination for Dietetic Technicians; and remitted the annual registration maintenance fee; and complied with the Professional Development Portfolio (PDP) recertification.	None	None	<a href="http://www.cdnet.org/">www.cdnet.org/</a>	
CISCO010	Cisco Certified Design Expert (CCDE)	Cisco Systems, Inc.	The CCDE certification measures users' knowledge and skills in advanced network infrastructure design principles and fundamentals for large networks. It also allows a network professional to demonstrate an ability to develop solutions which address planning, design, integration, optimization, operations, security and ongoing support focused at the infrastructure level for customer networks.	2 exams (1 written and 1 CCDE practical) required; 2 hours (written)	None	None	None	<a href="http://www.cisco.com">www.cisco.com</a>	
CISCO026	Cisco Certified Network Associate (CCNA)	Cisco Systems	The Certified Network Associate certification exam tests competencies in network fundamentals, network access, IP connectivity, IP services, security fundamentals, and automation and programmability.	1 exam required (200-301 CCNA); 120 minutes	None	None	None	<a href="http://www.cisco.com">www.cisco.com</a>	
CITR004	Citrix Certified Administrator (CCA)- XenApp	Citrix Systems Incorporated	The Citrix Certified Administrator (CCA)- XenApp certification measures users' knowledge and skills in Understanding the Citrix Architecture; Licensing and Installing XenApp; Configuring XenApp Sessions; Configuring XenApp Policies; Publishing Applications and Content; Additional Management; Managing Performance and Load Configuring Printing; Enabling and Securing Web Access to Published Applications and Content; and Troubleshooting.	1 exam required; 68 questions; 90 minutes; score of 61% or higher	None	None	None	<a href="http://www.citrixtraining.com">www.citrixtraining.com</a>	
COMPT001	CompTIA A+	Computing Technology Industry Association (CompTIA)	The CompTIA A+ certification measures knowledge and skills in troubleshooting, networking and security in varied IT environments, from mobile to traditional devices and operating systems.	2 exams required; 100 questions (each exam); time limit of 90 minutes (each exam)	None	None	None	<a href="http://www.comptia.org">www.comptia.org</a>	
COMPT005	CompTIA Linux+	Computing Technology Industry Association (CompTIA)	The CompTIA Linux+ certification measures knowledge and skills in fundamental open source resources/licenses, user administration, file permissions/software configurations and local storage devices and network protocols.	1 exam required; 90 minutes; 98 questions; minimum passing score of 675 on a scale of 100-900	None	Individuals with a minimum of six to 12 months of practical Linux experience are eligible to take the CompTIA Linux+ certification.	None	<a href="http://www.comptia.org">www.comptia.org</a>	
COMPT006	CompTIA Network+	Computing Technology Industry Association (CompTIA)	The CompTIA Network+ certification measures knowledge and skills in networking components and the ability to install, configure and troubleshoot basic networking hardware, protocols and services.	1 exam required; 90 minutes; 85 questions; minimum passing score of 720 on a scale of 100-900	None	None	Nine months networking experience recommended, but not required.	<a href="http://www.comptia.org">www.comptia.org</a>	
COMPT007	CompTIA Project+	Computing Technology Industry Association (CompTIA)	CompTIA Project+ certifies the knowledge and skills of professionals in project management. Project+ validates the ability to initiate, manage and support a project or business initiative. Project+ is designed for any individual who wants to validate project management experience.	1 exam required; 90 minutes; 100 questions; minimum passing score of 710 on a scale of 100-900	None	None	None	<a href="http://www.comptia.org">www.comptia.org</a>	
COMPT008	CompTIA Security+	Computing Technology Industry Association (CompTIA)	The CompTIA Security+ certification demonstrates proof of knowledge and expertise in security topics, such as communication security, infrastructure security, cryptography, access control, authentication, external attack and operational and organization security.	1 exam required; 90 minutes; 100 questions; minimum passing score of 750 on a scale of 100-900	None	None	None	<a href="http://www.comptia.org">www.comptia.org</a>	
COMPT009	CompTIA Server+	Computing Technology Industry Association (CompTIA)	The CompTIA Server+ certification measures knowledge and skills in virtualization, data centers, software-defined networking, security risks and network attached storage improvements.	1 exam required; 80 questions; 90 minutes	None	None	None	<a href="http://www.comptia.org">www.comptia.org</a>	
COMPT014	CompTIA Cloud+	Computing Technology Industry Association (CompTIA)	The CompTIA Cloud+ certification measures users' knowledge and skills needed to implement and maintain cloud technologies as project managers for cloud computing services, cloud engineers, data center managers, and business analysts specializing in cloud computing.	1 exam required (CV0-001); 120 multiple choice questions; 2 hours; minimum passing score of 750 on a scale of 100-900	None	None	None	<a href="http://www.comptia.org">www.comptia.org</a>	
COMPT016	CompTIA Cybersecurity Analyst (CySA+)	Computing Technology Industry Association (CompTIA)	The CompTIA Cybersecurity Analyst (CySA+) certification measures users' knowledge and skills required to configure and use threat detection tools, perform data analysis and interpret the results to identify vulnerabilities, threats and risks to an organization, with the end goal of securing and protecting applications and systems within an organization.	1 exam required (CS0-001); maximum of 85 multiple choice questions; 165 minutes; passing score of 750 required (on a scale of 100-900).	None	A minimum of 3-4 years of hands-on information security or related experience is recommended.	None	<a href="http://www.comptia.org">www.comptia.org</a>	
COMPT017	CompTIA Advanced Security Practitioner (CASP)	Computing Technology Industry Association (CompTIA)	The CompTIA Advanced Security Practitioner (CASP) certification measures users' technical knowledge and skills required to conceptualize, engineer, integrate and implement secure solutions across complex environments to support a resilient enterprise.	1 exam required (CAS-002 retires 10/2/2018; CAS-003); maximum of 90 multiple choice & performance-based questions; 165 minutes; Pass/Fail only (no scaled score).	None	A minimum of ten years of experience in IT administration, including at least five years of hands-on technical security experience is recommended.	None	<a href="http://www.comptia.org">www.comptia.org</a>	
COMPT019	CompTIA PenTest+	Computing Technology Industry Association (CompTIA)	The CompTIA PenTest+ certification verifies that successful candidates have the knowledge and skills required to plan and scope an assessment, understand legal and compliance requirements, perform vulnerability scanning and penetration testing, analyze data, and effectively report and communicate results.	85 questions, performance-based and multiple choice questions, 165 minutes, passing score of 750 (on a scale of 100-900).	None	None	Intended to follow CompTIA Security+ or equivalent experience. Recommended to be taken in conjunction with CySA+, which focuses on defense through incident detection and response.	<a href="http://www.comptia.org">www.comptia.org</a>	
COMPT020	CompTIA Cloud Essentials+	Computing Technology Industry Association (CompTIA)	The CompTIA Cloud Essentials+ certification exam tests competencies in the foundational business and technical components included in a cloud assessment; security concerns and measures; and new technology concepts, solutions, and benefits to an organization.	Maximum of 75 questions; multiple choice; 60 minutes; passing score of 720 (on a scale of 100-900)	None	None	Recommended experience: Between six months to a year of work experience as a business analyst in an IT environment with some exposure to cloud technologies	<a href="http://www.comptia.org">www.comptia.org</a>	
CPSTL001	Check Point Certified Security Administrator (CCSA)	Check Point Software Technologies Ltd.	The Check Point Certified Security Administrator (CCSA) certification measures knowledge and skills to install the security gateway in a distributed environment; configure rules on web and gateway servers; create a basic rule base in smart dashboard and assign permissions; schedule backups and seamless upgrades with minimal downtime; and monitor and troubleshoot IPs and common network traffic.	1 exam required (Exam #156-215.77 or #156-215.80)	None	None	6 months to 1 year of experience with Check Point products recommended	<a href="https://www.checkpoint.com">https://www.checkpoint.com</a>	

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CPSTL002	Check Point Certified Security Expert (CCSE)	Check Point Software Technologies Ltd.	The Check Point Certified Security Expert (CCSE) certification measures knowledge and skills to backup a security gateway and management server; build, test and troubleshoot a clustered security gateway; upgrade and troubleshoot a management server; configure and maintain security acceleration solutions; and manage, test and optimize corporate VPN tunnels.	1 exam required (Exam #156-215.77 or #156-215.80)	None	None	6 months to 1 year of experience with Check Point products recommended	<a href="https://www.checkpoint.com">https://www.checkpoint.com</a>	
CSCMP001	SCPro Fundamentals Bundle (8 exams)	Council of Supply Chain Management Professionals	SCPro Fundamentals Bundle certification measures users' knowledge and skills needed to assess and train supply chain team members in the eight training certification tracks: Supply Chain Management Principles, Customer Service Operations, Transportation Operations, Warehousing Operations, Demand Planning, Inventory Management, Manufacturing & Service Operations, and Supply Management & Procurement.	8 exams required; 60 questions per exam; 90 minutes per exam	None	None	None	<a href="http://www.cscmp.org">www.cscmp.org</a>	
CWNPT001	Certified Wireless Network Administrator (CWNA)	CWNP	The CWNA is the foundation-level wireless LAN (Local Area Network) certification measures users' knowledge and skills in a broad range of wireless LAN topics focused on 802.11 wireless technology rather than vendor-specific products.	1 exam (PW0-100) required; 60 multiple choice questions; passing score of at least 70 percent	None	None	None	<a href="http://www.cwnp.com">www.cwnp.com</a>	
DANBD001	Certified Dental Assistant (CDA)	Dental Assisting National Board	The CDA certification measures users' knowledge and skills in general chairside (GC) assisting; radiation health and safety (RHS); and infection control (ICE).	1 exam required; 320 questions; 4 hours	A minimum of 3500 hours of work as a dental assistant over a period of 2-4 years or be a current or former DANB CDA, a CODA DDS or DMD program.	None	None	<a href="http://www.dentalassisting.com">www.dentalassisting.com</a>	
EMCSQ001	Information Storage and Management (EMCISA) Associate	EMC	The Information Storage and Management (EMCISA) Associate certification measures users' knowledge and skills in storing, managing, and protecting digital information in classic, virtualized, and cloud environments.	1 exam (E05-011 or E10-001) required	None	None	None	<a href="https://education.emc.com/default_guest.aspx">https://education.emc.com/default_guest.aspx</a>	
ENTCP001	ETCP Certified Entertainment Electrician	Entertainment Technician Certification Program (ETCP)	The ETCP Certified Entertainment Electrician certification measures users' knowledge and skills in electrician duties of the entertainment industry including, but not limited to: theatres, film/ TV studios and on location, arenas/stadiums/sporting events, carnivals/fairs/festivals, circuses, cruise ships, industrial/corporate events, religious events/houses of worship, theme parks, touring concerts/theatre, and other places of public assembly throughout the United States and Canada.	1 exam, 150 questions	ETCP uses a point system to determine eligibility to sit for examinations. An individual must have 30 points to apply for the ETCP Entertainment Electrician Examination	None	None	<a href="http://etcp.plasa.org">etcp.plasa.org</a>	
ETAIN002	Fiber Optics Installer (FOI)	Electronics Technician Association International	The Fiber Optic Installer (FOI) certification measures users' knowledge and skills in optical fiber installation, connectorization, splicing, and testing, optical fiber, connector, and splice performance characteristics.	2 exams required (1 hands-on exam and 1 written exam (FOI113); 75 multiple choice questions; 2 hours; minimum passing score of 75% or higher	None	None	None	<a href="http://www.eta-i.org">www.eta-i.org</a>	
ETAIN008	Associate Certified Electronics Technician (CETa)	Electronics Technician Association International	The Associate Certified Electronics Technician (CETa) certification measures users' knowledge and skills in the four basic electronics modules: DC, AC, Analog, and Digital including electrical theory, electronic components, soldering and de-soldering tools, block diagrams/schematics /wiring diagrams, cabling, power supplies, test equipment and measurements, safety precautions, mathematics and formulas, radio communications technology, electronic circuits: series and parallel, amplifiers, interfacing of electronics products, digital concepts and circuitry, computer electronics, computer applications, audio and video systems, optical electronics, telecommunications basics, and technician work procedures.	1 single comprehensive exam required or 5 individual module exams (DC, AC, Analog, Digital and Comprehensive) required; Comprehensive (100 multiple choice questions; 2 hours); 5 Individual module exams (all five exams must be completed within a two-year period); Module exams (75 multiple choice questions; 2 hours; passing score of 75% or higher)	None	None	None	<a href="http://www.eta-i.org">www.eta-i.org</a>	
ETAIN009	Data Cabling Installer Certification (DCIC)	Electronics Technician Association International	The Data Cabling Installer (DCIC) certification measures users' knowledge and skills in copper cabling installation and service, which are then applicable to all the functions required to safely and competently install communications cabling.	2 exams required (1 hands-on and 1 written (DCI113); 75 questions; 2 hours	None	None	None	<a href="http://www.eta-i.org">www.eta-i.org</a>	
ETAIN010	Fiber Optics Technician (FOT)	Electronics Technician Association International	The Fiber Optic Technician (FOT) certification measures users' knowledge and skills of inside plant optical fiber, connector, and splice performance characteristics and use of these performance characteristics to create a worst case power budget for a fiber optic cable plant. An FOT can proficiently perform optical loss testing and perform connector endface evaluation.	2 exams required (1 hands-on exam and 1 written exam (FOT113); 75 multiple choice questions; 2 hours; minimum passing score of 75% or higher	None	None	None	<a href="http://www.eta-i.org">www.eta-i.org</a>	
ETAIN011	Fiber Optics Technician-Outside Plant (FOT-OSP)	Electronics Technician Association International	The Fiber Optic Technician – Outside Plant (OSP) certification measures users' knowledge to properly terminate, test and troubleshoot singlemode fiber optic communication systems. This includes various types of termination techniques applicable to high speed laser based systems. Disciplines include mechanical and fusion splicing and the preparation of fiber optical cables and cable management products.	2 exams required (1 hands-on exam and 1 written exam (FOT-OSP113); 75 multiple choice questions; 2 hours; minimum passing score of 75% or higher	None	None	None	<a href="http://www.eta-i.org">www.eta-i.org</a>	
ETAIN012	Photonics Technician - Operator (PTO)	Electronics Technician Association International	The Photonics Technician - Operators (PTO) certification measures users' knowledge and skills in assembling, measuring, testing, and repairing optical components such as lenses, mirrors, filters, fiber optics and electro-optic or other photonics devices plus optical sources such as lasers and light-emitting diodes (LEDs).	5 exams required (1 hands-on exam and 4 written exams: Applied Mathematics exam (63 multiple choice questions); Principles of Optics exam (102 multiple choice questions); PTO Laser Basic exam (30 multiple choice questions); Safety exam (38 multiple choice questions); a minimum score of 75% or higher required on all written exams	None	None	None	<a href="http://www.eta-i.org">www.eta-i.org</a>	
ETAIN013	Photonics Technician Specialist (PTS)	Electronics Technician Association International	The Photonics Technician Specialists (PTS) certification measures users' knowledge and skills to assemble, measure, test, and repair optical components such as lenses, mirrors, filters, fiber optics and electro-optic or other photonics devices plus optical sources such as lasers and light-emitting diodes (LEDs). They typically work in applications such as research and development laboratories; product development, test, and production specialists who are team members for original equipment manufacturers (OEMs) of lasers, optics, and photonics components and systems; field service specialists for OEMs or companies that manufacture and/or utilize lasers, optics, and photonics components and systems.	5 exams required (1 hands-on exam and 4 written exams: Applied Mathematics exam (63 multiple choice questions); Principles of Optics exam (102 multiple choice questions); PTO Laser Basic exam (30 multiple choice questions); Safety exam (38 multiple choice questions); 2 hours per exam; a minimum score of 75% or higher required on all written exams	None	None	None	<a href="http://www.eta-i.org">www.eta-i.org</a>	
ETAIN014	Photovoltaic Installer (PVI) - Level 1	Electronics Technician Association International	The Photovoltaic Installer (PVI) - Level 1 certification measures users' knowledge and skills in topics such as solar resources and principles; selection identification; proper installation sequence, performance characteristics and troubleshooting methods; permitting best safety practices; and potential economic impact of renewable energy.	2 exams (1 hands-on assessment and 1 written assessment); 75 multiple choice questions; 2 hours; minimum score of 75% or higher	Individuals must attend an ETAI approved school or have a minimum of 12 months of OJT training with an ETAI approved employer	None	None	<a href="http://www.eta-i.org">www.eta-i.org</a>	
ETAIN019	Small Wind Installer (SWI) - Level 1	Electronics Technician Association International	The Small Wind Installer (SWI) – Level 1 certification measures users' knowledge and skills in wind power energy generation under 100 kW, including topics such as theory of wind energy and electrical generation; site evaluation; design and selection of wind systems; proper installation, components and troubleshooting methods; safety; finance; and environmental assessment and management.	2 exams (1 hands-on assessment and 1 written assessment); 86 multiple choice questions; 2 hours; minimum score of 75% or higher	Individuals must attend an ETAI approved school or have a minimum of 12 months of OJT training with an ETAI approved employer	None	None	<a href="http://www.eta-i.org">www.eta-i.org</a>	

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ETAIN022	Specialist in Precision Optics (SPO)	Electronics Technician Association International	The Specialist in Precision Optics (SPO) certification measures users' knowledge to produce, test, and handle optical (infrared, visible, and ultraviolet) components that are used in lasers and sophisticated electro-optical systems for defense, homeland security, aerospace, biomedical equipment, digital displays, renewable energy production, and nanotechnology. SPOs also integrate precision optical components into these electro-optical systems and maintain them, including handling, storage and transport.	4 exams required (1 hands-on exam and 3 written exams: Applied Mathematics exam (80 multiple choice questions); Principles of Optics exam (107 multiple choice questions); Safety exam (38 multiple choice questions); a minimum score of 75% or higher required on all written exams	Individuals must possess the Technician in Precision Optics (TPO) certification, have completed training at an ETA approved training facility	None	None	<a href="http://www.eta-i.org">www.eta-i.org</a>	
ETAIN023	Technician in Precision Optics (TPO)	Electronics Technician Association International	The Technician in Precision Optics (TPO) certification measures users' knowledge and skills in optical component fabrication technical areas in optical shops, optics manufacturers and in quality control departments (incoming and/or outgoing inspection) for organizations that incorporate precision optics into various systems.	3 exams required (1 hands-on exam and 2 written exams: Applied Mathematics exam (60 multiple choice questions); Safety exam (38 multiple choice questions); 2 hours per exam; a minimum score of 75% or higher required on all written exams	Individuals must have completed training at an ETA approved training facility	None	None	<a href="http://www.eta-i.org">www.eta-i.org</a>	
FASM001	Massage and Bodywork Licensing Examination	Federation of State Massage Therapy Boards	The MBLEx exam tests knowledge in the following topics: Anatomy & Physiology; Kinesiology; Pathology, Contraindications, Areas of Caution, Special Populations; Benefits and Physiological Effects of Techniques that Manipulate Soft Tissue; Client Assessment Reassessment & Treatment Planning; Ethics, Boundaries, Laws and Regulations; and Guidelines for Professional Practice.	1 exam required; 100 multiple choice questions; 2 hours	Applicants must substantiate enrollment in or graduation from an approved massage therapy education program.	None	This exam is the only currently available option for licensure by the Florida Department of Health Board of Massage Therapy.	<a href="http://www.fsmtb.org">www.fsmtb.org</a>	
FDMQA002	Certified Nursing Assistant (CNA)	Florida Department of Health	The Certified Nursing Assistant (CNA) certification is a state required licensure and documents the individual's knowledge of core skills required of nursing assistants.	1 exam required; 2 parts (1 written and 1 performance (skill) section); 2 hour written; 50 multiple choice questions; 5 randomly selected nursing assistant skills	A high school diploma or its equivalent, or be 18 years of age, is required if the applicant is taking the exam without completion of an approved training program. Applicants must pass a level 2 background screen prior to taking the exam.	None	A state-approved training program is not required prior to examination; however, it is strongly recommended.	<a href="http://floridasnursing.gov/">floridasnursing.gov/</a>	
FDMQA010	Licensed Dental Hygienist	Florida Department of Health	The Licensed Dental Hygienist license allows the individual to perform service for the public as a dental hygienist pursuant to requirements established in section 466.007, Florida Statutes.	3 exams required (Dental Hygiene National Board Examination, ADEX Dental Hygiene Licensing Examination, and Florida Laws and Rules Examination)	Must be at least 18 years of age; graduated from 1) a dental hygiene college or school; OR 2) a graduate of an unaccredited dental college or school and have completed a minimum of 4 years of postsecondary dental education and received a dental school diploma which is comparable to a D.D.S. or D.M.D.; and successful completion of the following examinations: Dental Hygiene National Board Examination, ADEX Dental Hygiene Licensing Examination, and Florida Laws and Rules Examination.	None	None	<a href="http://www.doh.state.fl.us/mqa/">www.doh.state.fl.us/mqa/</a>	
FDMQA014	Paramedic (EMT-P)	Florida Department of Health	The Paramedic (EMT-P) license measures users' knowledge to care for the sick or injured in emergency medical settings including responding to emergency calls, performing medical services and transporting patients to medical facilities.	2 exams from the National Registry of Emergency Medical Technicians (NREMT) are required (cognitive and psychomotor); Cognitive exam: computer adaptive test; 80-150 questions; 2.5 hours; Psychomotor exam: Individual must demonstrate competence (performance based).	Current National Registry Certification or state license at the EMT level, or higher. Successful completion of a paramedic course from a Florida Department of Health approved program within two years of passing the examination.	None	None	<a href="http://www.doh.state.fl.us/mqa/">www.doh.state.fl.us/mqa/</a>	
FDMQA018	Licensed Physical Therapist Assistant	Florida Department of Health	The Licensed Physical Therapist Assistant license measures users' knowledge to provide physical therapy services including examining the patient and developing a plan of care that promotes the ability to move, reduces pain, restores function, and prevents disability.	1 exam required	Applicants must have graduated from a school giving a course of not less than two years for physical therapist assistants, which has been approved for the educational preparation of physical therapist assistants by the appropriate accrediting agency.	None	None	<a href="http://www.doh.state.fl.us/mqa/">www.doh.state.fl.us/mqa/</a>	
FDMQA025	Licensed Optician	Florida Department of Health	The Licensed Optician license measures users' knowledge to help fit eyeglasses and contact lenses, following prescriptions from ophthalmologists and optometrists. They also help customers decide which eyeglass frames or contact lenses to buy.	1 exam required	Applicant is not less than 18 years of age; is a graduate of an accredited high school or possesses a certificate of equivalency of a high school education; successfully passed the National Opticianry Competency Examination within three years of application or has current ABO certification; successfully passed the Contact Lens Registry Examination within three years of application or has current NCLE certification; and has received an associate degree, or equivalent, in opticianry from an accredited school; or is licensed to practice opticianry in another state and has actively practiced in such state for more than 3 of the last 5 years.	None	None	<a href="http://www.doh.state.fl.us/mqa/">www.doh.state.fl.us/mqa/</a>	
FDMQA030	911 Public Safety Telecommunicator	Florida Department of Health	The 911 Public Safety Telecommunicator certification is a state licensure that documents the knowledge and skills for employment as a dispatcher for police, fire, and ambulance.	1 exam required	An individual must complete an approved PST training program as defined in §401.465(1)(c), Florida Statutes.	None	None	<a href="http://www.doh.state.fl.us/mqa/">www.doh.state.fl.us/mqa/</a>	
FEDAA002	FAA Aviation Maintenance Technician - General	Federal Aviation Administration	The FAA Aviation Maintenance Technician - General certification measures knowledge and skills in maintenance supervision, preventive maintenance or alteration of an aircraft but excluding major repairs to and alterations of propellers and/or instruments.	1 exam required; passing score of 70% or greater	To be eligible for a mechanic certificate a candidate must be: at least 18 years of age; able to read, write, and speak English	18 months practical experience with either airframes or power plants, or 30 months of practical experience working on both at the same time or have graduated from an FAA-Approved Aviation Maintenance Technical School	None	<a href="http://www.faa.gov/licenses_certificates/">www.faa.gov/licenses_certificates/</a>	
FEDAA004	FAA Aviation Mechanic Technician - Airframe	Federal Aviation Administration	The FAA Aviation Mechanic Technician - Airframe certification measures knowledge and skills to work on any part of the aircraft except the instruments, power plants, and propellers.	3 exams required (Oral, Practical, Written)	An individual can get the experience to become a certified power plant or airframe mechanic in one of three ways: attend one of the 170 Federal Aviation Regulations (FAR) part 147 Aviation Maintenance Technician Schools nationwide (12 months and 24 months); work an FAA Repair Station or FBO under the supervision of a certified mechanic for 18 months for each certificate, or 30 months for both; or join one of the armed services and get training and experience in aircraft maintenance.	None	None	<a href="http://www.faa.gov/licenses_certificates/">www.faa.gov/licenses_certificates/</a>	
FEDAA010	FAA Aviation Maintenance Technician - Powerplant	Federal Aviation Administration	The FAA Aviation Maintenance Technician - Powerplant certification measures knowledge and skills to work on engines and do limited work on propellers.	2 written exams required (oral & practical tests are also required); 8 hours	An individual can get the experience to become a certified power plant or airframe mechanic in one of three ways: attend one of the 170 FAR part 147 Aviation Maintenance Technician Schools nationwide (12 months and 24 months); work an FAA Repair Station or FBO under the supervision of a certified mechanic for 18 months for each certificate, or 30 months for both; or join one of the armed services and get training and experience in aircraft maintenance.	None	None	<a href="http://www.faa.gov/licenses_certificates/">www.faa.gov/licenses_certificates/</a>	

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FLDLE002	Correctional Officer	Florida Department of Law Enforcement, Criminal Justice Standards and Training Commission	The Correctional Officer certification measures knowledge and skills to maintain their personal safety as well as the safety of the inmates they oversee. Correctional officers are responsible for overseeing individuals who have been arrested and are awaiting trial or who have been sentenced to serve time in jail or prison.	1 exam required	Meet the minimum requirements (see Testing Prerequisites); Complete the required training; Pass the State Officer Certification Exam (SOCE); and become employed as a sworn officer. Note: Employment requirement has been waived for reporting/funding purposes.	None	None	<a href="http://www.fdle.state.fl.us/Content/CJST/Menu/cjst-index/CJSTC-Home-Page.aspx">http://www.fdle.state.fl.us/Content/CJST/Menu/cjst-index/CJSTC-Home-Page.aspx</a>	
FLDLE003	Correctional Probation Officer	Florida Department of Law Enforcement, Criminal Justice Standards and Training Commission	The Correctional Probation Officer certification measures knowledge and skills for performing professional work investigating, assessing, supervising, counseling, and/or classifying offenders.	1 exam required	Meet the minimum requirements (see Testing Prerequisites); Complete the required training; Pass the State Officer Certification Exam (SOCE); and become employed as a sworn officer. Note: Employment requirement has been waived for reporting/funding purposes.	None	None	<a href="http://www.fdle.state.fl.us/Content/CJST/Menu/cjst-index/CJSTC-Home-Page.aspx">http://www.fdle.state.fl.us/Content/CJST/Menu/cjst-index/CJSTC-Home-Page.aspx</a>	
FLDLE004	Law Enforcement Officer	Florida Department of Law Enforcement, Criminal Justice Standards and Training Commission	The Law Enforcement Officer certification measures knowledge and skills to be responsible for the prevention, investigation, apprehension, or detention of individuals suspected or convicted of offenses against the criminal laws, including an employee engaged in this activity who is transferred to a supervisory or administrative position.	1 exam required	Meet the minimum requirements (see Testing Prerequisites); Complete the required training; Pass the State Officer Certification Exam (SOCE); and become employed as a sworn officer. Note: Employment requirement has been waived for reporting/funding purposes.	None	None	<a href="http://www.fdle.state.fl.us/Content/CJST/Menu/cjst-index/CJSTC-Home-Page.aspx">http://www.fdle.state.fl.us/Content/CJST/Menu/cjst-index/CJSTC-Home-Page.aspx</a>	
FLFBR006	Agricultural Unmanned Aircraft Systems Specialist Certification	Agricultural Education Services and Technology Inc.	The Unmanned Aircraft Systems (UAS) - Precision Agriculture Specialist certification measures the knowledge and skills required to operate UAS for the commercial use of precision agriculture. his certification encompasses the study of UAS technologies used to monitor plant growth, evaluate soil conditions, monitor animal operations, develop integrated pest management plans, make fertilizer recommendations, provide yield estimates of agricultural and forage crops, and make forest management decisions using UAS images and data.	1 exam required; 100 multiple choice questions; passing score of 60% or greater	None	None	None	<a href="http://certify.ag/">certify.ag/</a>	Yes
FLSFM006	Fire Fighter II	Florida Department of Financial Services, State Fire Marshal, Bureau of Fire Standards & Training	The Fire Fighter II certification measures knowledge and skills in fire department communications, fireground operations, rescue operations, preparedness and maintenance, and fire and life safety initiatives.	2 exams required (written and practical)	An individual must meet minimum qualifications for certification as a career firefighter: 1) be at least 18yrs of age; 2) have a high school diploma or GED; 3) be of good moral character; 4) be in excellent physical condition; 5) have a Associate of Arts, Baccalaureate or graduate-level degree or stipulated test scores on SAT, ACT, CPT, MAPS, or TABE; and 6) complete the Minimum Standards Training Course and the State Certification Examination.			<a href="http://www.myfloridacfo.com/">www.myfloridacfo.com/</a>	
FLSFM007	Fire Safety Inspector I	Florida Department of Financial Services, State Fire Marshal, Bureau of Fire Standards & Training	The Fire Safety Inspector I certification measures knowledge and skills to examine buildings, homes and other facilities to ensure that they meet applicable fire safety codes and regulations.	1 exam required	An individual must successfully complete 200 hours of basic certification training for Fire safety Inspectors, or have received equivalent training in another state, and pass a state written examination. Documentation of training is to be submitted with the required Application for Fire safety Inspector Certification Examination (DFS-K4-1023), Personal Inquiry Waiver (DFS-K4-1020), along with all other supporting documents, at least 10 business days prior to the scheduled test date.	None	None	<a href="http://www.myfloridacfo.com/">www.myfloridacfo.com/</a>	
FLSFM014	Fire Officer II	Florida Department of Financial Services, State Fire Marshal, Bureau of Fire Standards & Training	The Fire Officer II certification is part of an advanced training and certification program for firefighters having supervisory and management responsibilities. The Fire Officer II exam tests knowledge in Human Resource Management and Leadership; Community and Government Relations; Administration; Inspection and Investigation; Emergency Service Delivery; and Health and Safety.	1 exam required; 50 randomly generated test questions; 70% passing; 2 hours	The candidate must have completed Fire Officer I Certification; Fire Officer II Curriculum; Fire Officer II Task Book with required signatures; and coursework required by the Bureau of Firefighter Standards & Training.	NFPA 1021 job performance requirement.	None	<a href="https://www.myfloridacfo.com/Division/SFM/BFST/Standards/default.htm">https://www.myfloridacfo.com/Division/SFM/BFST/Standards/default.htm</a>	
GLIAC001	GIAC Certified Forensic Analyst (GCFA)	Global Information Assurance Certification	The Certified Forensic Analyst (GCFA) certification measures users' knowledge and skills in formal incident investigations and handle advanced incident handling scenarios, including internal and external data breach intrusions, advanced persistent threats, anti-forensic techniques used by attackers, and complex digital forensic cases.	1 exam required; 115 questions; 3 hours; minimum score of 69% or higher	None	None	None	<a href="http://www.giac.org">www.giac.org</a>	
GLIAC002	GIAC Certified Forensic Examiner (GCFE)	Global Information Assurance Certification	The Certified Forensic Examiner (GCFE) certification measures users' knowledge to conduct typical incident investigations including e-Discovery, forensic analysis and reporting, evidence acquisition, browser forensics and tracing user and application activities on Windows systems.	1 exam required; 115 questions; 3 hours; minimum score of 71% or higher	None	None	None	<a href="http://www.giac.org">www.giac.org</a>	
GLIAC003	GIAC Certified UNIX Security Administrator (GCUX)	Global Information Assurance Certification	The Certified UNIX Security Administrator (GCUX) certification measures users' knowledge to secure and audit UNIX and Linux systems including responsibility for installing, configuring, and monitoring UNIX and/or Linux systems.	1 exam required; 75 questions; 2 hours; minimum score of 65.3% or higher	None	None	None	<a href="http://www.giac.org">www.giac.org</a>	
GLIAC004	GIAC Information Security Fundamentals (GISF)	Global Information Assurance Certification	The GIAC Information Security Fundamentals (GISF) certification measures users' knowledge of key concepts of information security including understanding the threats and risks to information and information resources, identifying best practices that can be used to protect them, and learning to diversify our protection strategy.	1 exam required; 75 questions; 2 hours; minimum score of 70% or higher	None	None	None	<a href="http://www.giac.org">www.giac.org</a>	
GLIAC005	GIAC Security Essentials (GSEC)	Global Information Assurance Certification	The Security Essentials (GSEC) certification measures users' knowledge and skills in IT systems with respect to security tasks including an understanding of information security beyond simple terminology and concepts.	1 exam required	None	None	None	<a href="http://www.giac.org">www.giac.org</a>	
GLIAC006	GIAC Cloud Security Automation	Global Information Assurance Certification	The GIAC Cloud Security Automation certification covers cloud services and modern DevSecOps practices that are used to build and deploy systems and applications more securely. Competencies tested include using cloud services with secure DevOps principles, practices, and tools to build and deliver secure infrastructure and software; automating configuration management, continuous integration, continuous delivery, and continuous monitoring; and use of open-source tools, the Amazon Web Services toolchain and Azure services.	1 exam required; 75 questions; 2 hours; minimum passing score of 61%	None	None	None	<a href="https://www.giac.org/certification/cloud-security-automation-gcsa">https://www.giac.org/certification/cloud-security-automation-gcsa</a>	Yes
GLIAC007	GIAC Cloud Security Essentials	Global Information Assurance Certification	The GIAC Cloud Security Essentials certification proves that the certificate holder understands many of the security challenges brought forth when migrating systems and applications to cloud service provider environments. Competencies tested include evaluation of cloud service provider similarities, differences, challenges and opportunities; planning, deploying, hardening and securing single and multi-cloud environments; and basic cloud resource auditing, security assessment and incident response.	1 exam required; 75 questions; 2 hours; minimum passing score of 61%	None	None	None	<a href="https://www.giac.org/certification/cloud-security-essentials-gcld">https://www.giac.org/certification/cloud-security-essentials-gcld</a>	Yes

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GOOGL001	Google Associate Cloud Engineer	Google	The Associate Cloud Engineer certification tests competencies in the deployment of applications, operations monitoring of multiple projects and maintenance of enterprise solutions to meet target performance metrics. Candidates should have experience working with public clouds and on-premises solutions, and be able to use the Google Cloud Console and the command-line interface to perform common platform-based tasks to maintain one or more deployed solutions that leverage Google-managed or self-managed services on Google Cloud.	1 exam required; 2 hours	None	None	Six months of work experience is recommended.	<a href="https://cloud.google.com/certification/cloud-engineer">https://cloud.google.com/certification/cloud-engineer</a>	Yes
HIMSS001	Certified Associate in Healthcare Information & Management Systems	Healthcare Information and Management Systems Society (HIMSS)	The Certified Associate in Healthcare Information & Management Systems certification measures competencies in organizational and technology environments; systems analysis, design, selection, implementation, support, maintenance, testing, evaluation, privacy and security; and leadership and management support.	1 exam required; 2 hours; 115 multiple-choice questions, 100 of which are scored	High school diploma or GED	None	None	<a href="https://himss.org/health-it-certifications/cahims">https://himss.org/health-it-certifications/cahims</a>	
HVACE001	HVAC Excellence Employment Ready - Heat Pump	HVAC Excellence	HVAC Excellence Employment Ready Heat Pump certification measures knowledge and skills in components, controls, heat pump cycle, service, theory, troubleshooting, interpreting heat pump schematics.	1 exam required; 100 questions	None	None	None	<a href="http://www.hvacexcellence.org">www.hvacexcellence.org</a>	
HVACE002	HVAC Excellence EmploymentReady - Air Conditioning	HVAC Excellence	HVAC Excellence Employment Ready Air Conditioning certification measures knowledge and skills in air conditioning and refrigeration theory, equipment service, systems and components, troubleshooting, refrigerant flow control theory and application.	1 exam required; 100 questions	None	None	None	<a href="http://www.hvacexcellence.org">www.hvacexcellence.org</a>	
HVACE003	HVAC Excellence Employment Ready - Light Commercial Air Conditioning	HVAC Excellence	HVAC Excellence Employment Ready Light Commercial Air Conditioning certification measures users' knowledge and skills in commercial air conditioning systems & components, equipment installation & service, refrigeration theory & application, troubleshooting.	1 exam required; 100 questions	None	None	None	<a href="http://www.hvacexcellence.org">www.hvacexcellence.org</a>	
HVACE004	HVAC Excellence Employment Ready - Electric Heat	HVAC Excellence	HVAC Excellence Employment Ready-Electric Heat certification measures users' knowledge and skills in systems & components, equipment - installation & service, heating systems & components, safety, theory & application, troubleshooting.	1 exam required; 100 questions	None	None	None	<a href="http://www.hvacexcellence.org">www.hvacexcellence.org</a>	
HVACE005	HVAC Excellence Employment Ready - Light Commercial Refrigeration	HVAC Excellence	HVAC Excellence Employment Ready Light Commercial Refrigeration certification measures users' knowledge and skills in equipment installation & service, refrigeration systems & components, refrigeration theory & application, troubleshooting.	1 exam required; 100 questions	None	None	None	<a href="http://www.hvacexcellence.org">www.hvacexcellence.org</a>	
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.escogroup.org/certification/sprofessional.aspx">https://www.escogroup.org/certification/sprofessional.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>	

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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>	
IISCC001	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>	
IISCC002	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>	
IISCC003	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>	
IISCC004	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>	

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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
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.icaahpo.org/certification/">www.icaahpo.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.icaahpo.org/certification/">www.icaahpo.org/certification/</a>	
KNOWL001	Python Coding Specialist	Knowledge Pillars LLC	The Python Coding Specialist certification allows coding specialists, software developers, and IT professionals the ability to assess their knowledge and get credentials for their programming skills. Competencies tested include Python fundamental concepts; variables and operators; using conditional statements; using loops; creating and using functions and generators; Python data structures; using modules and packages; classes, objects and object-oriented programming; responding to events and exceptions; and input-output operations using Python.	1 exam required; 35 questions; 45 minutes; minimum passing score of 75%.	None	None	None	<a href="https://knowledge-pillars.com/python-coding-specialist/">https://knowledge-pillars.com/python-coding-specialist/</a>	Yes
KNOWL002	WordPress Certified Editor	Knowledge Pillars LLC	The WordPress Certified Editor certification exam tests competencies in the correct application of principle features of WordPress by creating and editing posts and pages in real WordPress websites. Candidates are expected to have a firm background related to managing posts, pages, comments and the media library, as well as using the post and page builder and editing the HTML code of posts or pages.	1 exam required; 35 questions; 45 minutes; minimum passing score of 75%.	None	None	None	<a href="https://knowledge-pillars.com/wordpress-editor-certification/">https://knowledge-pillars.com/wordpress-editor-certification/</a>	Yes
KNOWL003	HTML/CSS Coding Specialist	Knowledge Pillars LLC	The HTML/CSS Coding Specialist certification tests competencies in 5 key areas covering HTML and CSS up to an intermediate level. Candidates will be tested on the fundamentals of HTML, including its uses and limitations as well as placing elements on a page, such as text, links, tables, and media. The exam also tests the candidate's ability to work with the basics of CSS and will be expected to have a clear understanding of how HTML documents can interact with CSS in a coherent and professional manner.	35 questions; 45 minutes; passing score: 75%; Format: Linear and Live-in-the-App	None	None	None	<a href="https://knowledge-pillars.com/html-and-css-coding-specialist-certification/">https://knowledge-pillars.com/html-and-css-coding-specialist-certification/</a>	Yes
KNOWL004	JavaScript Coding Specialist	Knowledge Pillars LLC	The JavaScript Coding Specialist certification exam validates the candidate's ability to recognize and write syntactically correct JavaScript code, use data types supported by JavaScript, and be able to recognize and write JavaScript code that will logically solve a given problem. It is recommended that candidates have at least 150 hours of instruction or hands-on experience with the JavaScript programming language before taking this exam. Candidates should also be familiar with JavaScript features and capabilities, and understand how to write, debug and maintain well-formed, well-documented JavaScript code.	35 questions; 45 minutes; Passing score: 75%; Format: Linear and Live-in-the-App	None	None	None	<a href="https://knowledge-pillars.com/javascript-coding-specialist-certification/">https://knowledge-pillars.com/javascript-coding-specialist-certification/</a>	Yes
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>	
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 (MCSA) - App Builder	Microsoft Corporation	The Microsoft Certified Solutions Developer (MCSA) - 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>	

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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>	
MICRO129	Microsoft Certified: Azure Developer Associate	Microsoft Corporation	The Microsoft Certified: Azure Developer Associate certification validates the candidate's ability to program in a language supported by Azure and proficiency in Azure SDKs, Azure PowerShell, Azure CLI, data storage options, data connections, APIs, app authentication and authorization, compute and container deployment, debugging, performance tuning and monitoring.	One exam: AZ-204	None	None	Recommended 1-2 years professional development experience and experience with Microsoft Azure	<a href="http://www.microsoft.com/learning/en/us/default.aspx">www.microsoft.com/learning/en/us/default.aspx</a>	Yes
MICRO130	Microsoft Certified: Data Analyst Associate	Microsoft Corporation	The Microsoft Certified: Data Analyst Associate certification tests competency in the use of Microsoft Power Business Intelligence (BI). Skills validated include designing and building scalable data models, cleaning and transforming data and enabling advanced analytic capabilities that provide meaningful business value through easy-to-comprehend data visualizations.	One exam: DA-100	None	None	None	<a href="http://www.microsoft.com/learning/en/us/default.aspx">www.microsoft.com/learning/en/us/default.aspx</a>	Yes
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>	
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>	



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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, pouring, 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>	
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.nbtsa.org/cst-certification">https://www.nbtsa.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>	

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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
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>	
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>	

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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>	
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>	

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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>	
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>	
NIASE095	ASE Light Duty Hybrid/Electric Vehicle Specialist Certification Test (L3)	National Institute of Automotive Service Excellence (ASE)	The ASE Light Duty Hybrid/Electric Vehicle Specialist Certification Test (L3) certification exam covers content focused on the diagnosis of the battery system, internal combustion engine (ICE), drive system, power electronics and hybrid supporting systems.	1 exam required; 55 questions; 2 hours; minimum passing score of 31/45	Certified in both Automobile Suspension and Steering (A4) and Automobile Brakes (A5)	Two years of hands-on work experience	None	<a href="http://www.ase.com">www.ase.com</a>	Yes
NIASE096	ASE Undercar Specialist Exhaust Systems (X1)	National Institute for Automotive Service Excellence (ASE)	The ASE Undercar Specialist Exhaust Systems (X1) certification exam covers content focused on exhaust system inspection and repair, fabrication, installation, emissions systems diagnosis and repair and exhaust system repair regulations.	1 exam required; 50 questions including 10 unscored items; 1 hour; minimum passing score of 25/40	Must have passed both the Automobile Electrical/Electronic Systems (A6) and Engine Performance (A8) tests	Three years of hands-on experience maintaining, servicing, and/or repairing light-duty or heavy-duty motor vehicles	None	<a href="http://www.ase.com">www.ase.com</a>	Yes
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>	

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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>	
NNCCO001	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>	
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.nbstsa.org/">www.nbstsa.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>	

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PMMIN001	PMMI Mechatronics Certification: Fluid Power	PMMI	The PMMI Mechatronics Certification: Fluid Power covers the function, operation, and application of common components used in fluid power circuits and systems. It also assesses the understanding of how fluid power components and accessories are placed together to create circuits and systems for powering industrial machines. The major emphasis is on pneumatics with a lesser emphasis on hydraulics and vacuum systems. Electro-fluid power troubleshooting is emphasized. Topics include: Circuits and logic, compressors and conditioners, connectors, directional control valves, electro-fluid power, filters, fittings, flow control & relief valves, gages and instruments, hoses, lubricators, metal tubing, motors, pressure sequence valves, pump and reservoir, regulators, safety, theory, threaded pipe, troubleshooting & testing and vacuum. This certification is intended for entry-level mechanics, technicians and technologists who will be involved in the application, installation, modification or troubleshooting of Fluid Power systems.	1 exam required; 125 questions; approximately 2.5 hours; minimum passing score of 72 percent	None	None	None	<a href="http://www.pmmi.org/workforce-development/mechatronics/certification-tests">www.pmmi.org/workforce-development/mechatronics/certification-tests</a>	Yes
PMMIN002	PMMI Mechatronics Certification: Industrial Electricity 2	PMMI	The PMMI Mechatronics Certification: Industrial Electricity 2 certification builds upon the Industrial Electricity 1 certificate. Candidates should understand more complex motor starting circuits such as jogging, hand-off-automatic, reversing and reduced voltage starting. They should be familiar with time-based, count-based and sequential control of multiple output loads utilizing control relay logic and automatic input devices such as limit, flow and pressure switches to provide feedback. They should understand basic electro-fluid power circuits where relay logic is used to operate devices such as pneumatic or hydraulic cylinders through electrically piloted directional control valves. Basic understanding of the various types of electronic sensors, timers and counters used in industrial control is required. Candidates should be familiar with the sizing and installation of various types of electrical conductors and raceways used in or around industrial machinery and should be able to properly wire an industrial control panel. Finally, candidates should understand basic troubleshooting techniques and practices, not only for the individual components but also for systems of components. This advanced knowledge of industrial electricity and control systems is needed to understand the complex operations of machines and systems that might be used for an electro-mechanical packaging line.	1 exam required; 100 questions; approximately 2 hours; minimum passing score of 70 percent	None	None	None	<a href="http://www.pmmi.org/workforce-development/mechatronics/certification-tests">www.pmmi.org/workforce-development/mechatronics/certification-tests</a>	Yes
PMMIN003	PMMI Mechatronics Certification: Mechanical Components 2	PMMI	The PMMI Mechatronics Certification: Mechanical Components 2 certification exam builds upon the topics covered on the Mechanical Components 1 test by evaluating the candidate's mastery of the principles and application of more complex mechanical components such as clutches, brakes, gear boxes, transmissions, ball screws, and linear components. It also explores sealing, lubricants and automated lubrication, precision alignment and timing, vibration analysis, and the use of video to troubleshoot mechanical systems. This certification is aimed at intermediate level technicians and technologists who may be involved in the assembly, test, startup, troubleshooting, maintenance, repair or upgrade of mechanically complex manufacturing machinery. Candidates should have gained the Industrial Mechanics 1 certification, or its equivalent, before taking this exam.	1 exam required; 100 questions; approximately 2 hours; minimum passing score of 70 percent	None	None	None	<a href="http://www.pmmi.org/workforce-development/mechatronics/certification-tests">www.pmmi.org/workforce-development/mechatronics/certification-tests</a>	Yes
PMMIN004	PMMI Mechatronics Certification: Programmable Logic Controllers (PLCs) 2	PMMI	The PMMI Mechatronics Certification: Programmable Logic Controllers (PLCs) 2 exam covers advanced principles and applications of programmable logic controllers (PLCs). Among the advanced topics are PLC real time considerations, various levels of PLC networking, alternate programming languages for PLCs, international standards applied to PLCs, integration of logic and motion control in PLCs, integration of process control in PLCs, advanced human / machine interface (HMI) for PLCs, supervisory control and data acquisition (SCADA) with PLCs, alarm management, batch control, power failure strategies and process safety. This certification test is aimed at entry level technicians who may be involved in the assembly, test, startup, troubleshooting, maintenance, repair or upgrade of basic packaging machinery modules.	1 exam required; 100 questions; approximately 2 hours; minimum passing score of 70 percent	None	None	None	<a href="http://www.pmmi.org/workforce-development/mechatronics/certification-tests">www.pmmi.org/workforce-development/mechatronics/certification-tests</a>	Yes
PRMIN005	PMI Agile Certified Practitioner	Project Management Institute	The Agile methodology is a way to manage a project by breaking it up into several phases. It involves constant collaboration with stakeholders and continuous improvement at every stage. Once the work begins, teams cycle through a process of planning, executing, and evaluating. Agile methodology is commonly used by technology organizations in software development. The exam tests competencies in Agile Principles and Mindset; Value-driven Delivery; Stakeholder Engagement; Team Performance; Adaptive Planning; Problem Detection and Resolution; and, Continuous Improvement (Product, Process, People).	1 exam required; 120 multiple-choice questions (100 scored and 20 unscored); 3 hours	None	None	None	<a href="http://www.pmi.org">www.pmi.org</a>	Yes
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>	

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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>	
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>	
PROSO030	Certified Internet Web (CIW) Data Analyst Specialist	Certification Partners	The Data Analyst Specialist certification exam tests knowledge in data analysis fundamentals, big data, working with data sources, tools for capturing and analyzing data, and analyzing and reporting data.	1 exam required (1D0-622); 48 questions; 75 minutes; passing score of 75% or more required	None	None	None	<a href="http://www.ciwcertified.com/ciw-certifications">www.ciwcertified.com/ciw-certifications</a>	Yes
PTCBD001	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>	
SMACA001	Industry 4.0 Controls Systems Specialist	Smart Automation Certification Alliance (SACA)	The Industry 4.0 Control Systems Specialist certification prepares individuals to succeed as controls technicians in modern production environments that use Industry 4.0 technologies. In this role, individuals will install, troubleshoot, repair and maintain industrial control systems using sensors, programmable controllers and variable frequency drives.	1 written exam and 1 performance based assessment are required	None	None	None	<a href="https://www.saca.org/">https://www.saca.org/</a>	Yes
SMACA002	Industry 4.0 Electrical Systems Specialist	Smart Automation Certification Alliance (SACA)	The Industry 4.0 Electrical Systems Specialist certification prepares individuals to succeed as industrial electricians in modern production environments that use Industry 4.0 technologies. In this role, individuals will install, troubleshoot, repair and maintain industrial electrical circuits and electric motor systems.	1 written exam and 1 performance based assessment are required	None	None	None	<a href="https://www.saca.org/">https://www.saca.org/</a>	Yes
SMACA003	Industry 4.0 Electro-Fluid Power Systems Specialist	Smart Automation Certification Alliance (SACA)	The Industry 4.0 Electro-Fluid Power Systems Specialist certification prepares individuals to succeed as electro-fluid power technicians in modern production environments that use Industry 4.0 technologies. In this role, individuals will install, troubleshoot, repair and maintain industrial solenoid-operated hydraulic and pneumatic systems.	1 written exam and 1 performance based assessment are required	None	None	None	<a href="https://www.saca.org/">https://www.saca.org/</a>	Yes
SMACA004	Industry 4.0 Instrumentation Specialist	Smart Automation Certification Alliance (SACA)	The Industry 4.0 Instrumentation Specialist certification prepares individuals to succeed as instrumentation technicians in modern production environments that use Industry 4.0 technologies. In this role, individuals will install, troubleshoot, repair and maintain instrumentation and control systems using transducers, transmitters, and PID controllers used to control flow, pressure, temperature and pressure of industrial fluid processes.	1 written exam and 1 performance based assessment are required	None	None	None	<a href="https://www.saca.org/">https://www.saca.org/</a>	Yes
SMACA005	Industry 4.0 Mechanical Systems Specialist	Smart Automation Certification Alliance (SACA)	The Industry 4.0 Mechanical Systems Specialist certification prepares individuals to succeed as industrial mechanics in modern production environments that use Industry 4.0 technologies. In this role, individuals will install, troubleshoot, repair and maintain industrial mechanical power transmission systems using belt, chain, shaft coupling and gear power transmission methods.	1 written exam and 1 performance based assessment are required	None	None	None	<a href="https://www.saca.org/">https://www.saca.org/</a>	Yes
SMACA006	Industry 4.0 Network Systems Specialist	Smart Automation Certification Alliance (SACA)	The Industry 4.0 Network Systems Specialist certification prepares individuals to succeed as technicians supporting networked Industry 4.0 automation systems. In this role, individuals will install, program, troubleshoot, monitor and maintain networked automation systems using Ethernet networks, smart sensors, controllers, data analytics software and automated machines.	1 written exam and 1 performance based assessment are required	None	None	None	<a href="https://www.saca.org/">https://www.saca.org/</a>	Yes

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SMACA007	Industry 4.0 Operations Specialist	Smart Automation Certification Alliance (SACA)	The Industry 4.0 Operations Specialist certification prepares individuals to succeed as team lead operators in modern production environments that use Industry 4.0 technologies. In this role, individuals will perform automated machine setup and adjustment, operate and monitor system operation, perform preventive and predictive maintenance and analyze and optimize system operation.	1 written exam and 1 performance based assessment are required	None	None	None	<a href="https://www.saca.org/">https://www.saca.org/</a>	Yes
SMACA008	Industry 4.0 Robotics Specialist	Smart Automation Certification Alliance (SACA)	The Industry 4.0 Robotics Specialist certification prepares individuals to succeed as robotics technicians in modern production environments that use Industry 4.0 technologies. In this role, individuals will install, program, test, interface and maintain industrial robot systems and workcells.	1 written exam and 1 performance based assessment are required	None	None	None	<a href="https://www.saca.org/">https://www.saca.org/</a>	Yes
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>	
YAMAHO01	Yamaha Marine Maintenance Certification: Inline	Yamaha	The Yamaha Marine Maintenance Certification: Inline requires candidates to understand and apply concepts of marine engine repair techniques based on acquired knowledge and experience. Candidates demonstrate the ability to associate the servicing and repair requirements with specific marine engines. Assessed competencies include compression tests, pressure tests, removing and reinstalling lower units and draining and refilling lower unit gear lubricant on marine engines. Individuals are examined on their comprehension of inspecting and replacing marine batteries, spark plugs, spark plug wires, ignition coils, thermostats, timing belts, propellers, water pumps, anodes and the fuel filter and pump on marine engines. Candidates understand how to inspect and adjust valve clearance and throttle cables on marine engines.	1 exam required; 50 questions; multiple-choice, fill in the blank, and true or false questions; 120 minutes; minimum passing score of 80 percent	Candidates are required to complete a minimum of 150 hours of marine-service instruction OR have a minimum of two years of experience in the field as a marine technician.	None	None	<a href="https://www.yamaha-dealers.com/techhub/marine/#">https://www.yamaha-dealers.com/techhub/marine/#</a>	Yes
YAMAHO02	Yamaha Marine Maintenance Certification: Mid-Range	Yamaha	The Yamaha Marine Maintenance Certification: Mid-Range requires candidates to understand and apply concepts of marine engine repair techniques based on acquired knowledge and experience. Candidates demonstrate the ability to associate the servicing and repair requirements with specific marine engines. Assessed competencies include compression tests, pressure tests, power, and manual tilt functions, removing and reinstalling lower units, and draining and refilling lower unit gear lubricant on marine engines. Individuals are examined on their comprehension of inspecting and replacing anodes, water pumps, fuel filters and pumps, marine batteries, thermostats, timing belts, and propellers on marine engines. Candidates understand how to inspect and adjust valve clearance and throttle cables on marine engines.	1 exam required; 50 questions; multiple-choice, fill in the blank, and true or false questions; 120 minutes; minimum passing score of 80 percent	Candidates are required to complete a minimum of 150 hours of marine-service instruction OR have a minimum of two years of experience in the field as a marine technician.	None	None	<a href="https://www.yamaha-dealers.com/techhub/marine/#">https://www.yamaha-dealers.com/techhub/marine/#</a>	Yes



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
YAMAH003	Yamaha Marine Maintenance Certification: Portable	Yamaha	The Yamaha Marine Maintenance Certification: Portable requires candidates to understand and apply concepts of marine engine repair techniques based on acquired knowledge and experience. Candidates demonstrate the ability to associate the servicing and repair requirements with specific marine engines. Assessed competencies include compression tests, power, and manual tilt functions, removing and reinstalling lower units and draining and refilling lower unit gear lubricant on marine engines. Individuals are examined on their comprehension of inspecting and replacing spark plugs, water pumps, anodes, fuel filters and pumps, timing belts, propellers and marine batteries on marine engines.	1 exam required; 50 questions; multiple-choice, fill in the blank, and true or false questions; 120 minutes; minimum passing score of 80 percent	Candidates are required to complete a minimum of 150 hours of marine-service instruction OR have a minimum of two years of experience in the field as a marine technician.	None	None	<a href="https://www.yamaha-dealers.com/techhub/marine/#">https://www.yamaha-dealers.com/techhub/marine/#</a>	Yes
YAMAH004	Yamaha Marine Maintenance Certification: V-Engine	Yamaha	Yamaha Marine Maintenance Certification: V-Engine requires candidates to understand and apply concepts of marine engine repair techniques based on acquired knowledge and experience. Candidates demonstrate the ability to associate the servicing and repair requirements with specific marine engines. Assessed competencies include compression tests, pressure tests, power, and manual tilt functions, removing and reinstalling lower units, and draining and refilling lower unit gear lubricant on marine engines. Individuals are examined on their comprehension of inspecting and replacing spark plugs, ignition coils, water pumps, anodes, fuel filters and pumps, thermometers, timing belts, propellers and marine batteries on marine engines. Candidates recognize marine engine components that require scheduled maintenance.	1 exam required; 50 questions; multiple-choice, fill in the blank, and true or false questions; 120 minutes; minimum passing score of 80 percent	Candidates are required to complete a minimum of 150 hours of marine-service instruction OR have a minimum of two years of experience in the field as a marine technician.	None	None	<a href="https://www.yamaha-dealers.com/techhub/marine/#">https://www.yamaha-dealers.com/techhub/marine/#</a>	Yes