

2016-2017 CAPE Industry Certification Funding List (Detailed)

DOE Code	Certification/Credential Title	Issuing Organization/Provider	Type (CAPE Industry Certification, CAPE Acceleration Industry Certification, CAPE Digital Tool Certificate)	Certification/Credential Description	Written Exam Requirements	Other Requirements (Age, program completion, etc.)	Work Experience	Additional Information	Agency Website
ABAYC003	Marine Electrical Certification	American Boat & Yacht Council	CAPE Industry Certification	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>
ACSM002	Certified Personal Trainer	American College of Sports Medicine	CAPE Industry Certification	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/">certification.acsm.org/</a>
ADESK002	Autodesk Certified User - AutoCAD	Autodesk	CAPE Industry Certification	The Autodesk Certified User - AutoCAD certification measures users' knowledge of the AutoCAD software product. AutoCAD allows an individual to design, visualize, and document their ideas.	1 exam required; 35 questions on a performance-based exam with 12 sections and a two hour time limit	None	None	None	<a href="http://www.autodesk.com">www.autodesk.com</a>
ADESK008	Autodesk Certified User - Revit Architecture	Autodesk	CAPE Industry Certification	The Autodesk Certified User Revit Architecture certification measures professional users' knowledge of the tools, features, and common tasks of Revit Architecture. This modeling software 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; 35 questions on a performance-based exam with 12 sections and a two hour time limit	None	None	None	<a href="http://www.autodesk.com">www.autodesk.com</a>
ADESK011	Autodesk Certified User - Inventor	Autodesk	CAPE Industry Certification	The Autodesk Certified User- Inventor certification measures users' knowledge and technical skills for the Inventor product, which provides a comprehensive set of design tools for producing, validating, and documenting complete digital prototypes.	1 exam required; 35 questions on a performance-based exam with 12 sections and a two hour time limit	None	None	None	<a href="http://www.autodesk.com">www.autodesk.com</a>
ADESK021	Autodesk Certified Professional - AutoCAD	Autodesk	CAPE Industry Certification	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	CAPE Industry Certification	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	CAPE Industry Certification	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	CAPE Industry Certification	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>
ADESK029	Autodesk Certified Professional - 3ds Max	Autodesk	CAPE Industry Certification	The Autodesk 3DS Max certification measures professional users' knowledge of the 3DS Max product, which is a 3D computer graphics program for making 3D animations, models, games and images.	1 exam required; 120-minute performance based test with 35 questions.	None	None	None	<a href="http://www.autodesk.com">www.autodesk.com</a>
ADOBE002	Adobe Certified Expert (ACE) - After Effects	Adobe Systems	CAPE Industry Certification	The Adobe Certified Expert (ACE) - After Effects certification measures users' knowledge in the After Effects Adobe product, which is a digital visual effects, motion graphics, and compositing application and is used the post-production process of filmmaking and television production. Skills assessed include the following: using and configuring workspaces; building 2D compositions; animating and key framing layers; creating and animating text; and working with color management.	1 exam required; 50 questions with a minimum passing score of 64%.	None	None	None	<a href="http://www.adobe.com">www.adobe.com</a>
ADOBE003	Adobe Certified Expert (ACE) - Illustrator	Adobe Systems	CAPE Industry Certification	The Adobe Certified Expert (ACE) - Illustrator certification measures users' knowledge of creating and editing vector graphics in the Illustrator application for graphic designers and arts. This includes preparing graphics for print, Web, and mobile platforms.	1 exam required; 60 questions with a minimum passing score of 63%.	None	None	None	<a href="http://www.adobe.com">www.adobe.com</a>
ADOBE004	Adobe Certified Expert (ACE) - InDesign	Adobe Systems	CAPE Industry Certification	The Adobe Certified Expert (ACE) - InDesign certification measures users' knowledge of laying out and designing text, graphics, and cross-media for onscreen and print documents in the InDesign application. This includes knowledge in document layout, text, drawing, working with color and transparency, importing, exporting and converting files, cross media support, and tables.	1 exam required; 60 questions with a minimum passing score of 72%.	None	None	None	<a href="http://www.adobe.com">www.adobe.com</a>

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ADOBE005	Adobe Certified Expert (ACE) - Photoshop	Adobe Systems	CAPE Industry Certification	The Adobe Certified Expert (ACE) - Photoshop certification measures users' knowledge of correcting, painting, and retouching images using the Photoshop application. This includes knowledge in Photoshop UI, painting and retouching, creating and using layers, supporting video; working with vector tools, automation, and filters; using camera RAW; managing color, and preparing images for the web.	1 exam required; 57 questions with a minimum passing score of 63%.	None	None	None	<a href="http://www.adobe.com">www.adobe.com</a>
ADOBE007	Adobe Certified Expert (ACE) - Premiere Pro	Adobe Systems	CAPE Industry Certification	The Adobe Certified Expert (ACE) - Premiere Pro certification recognizes an individual's knowledge in setting up projects; capturing media; editing; working with audio; and creating DVDs.	1 exam required; 60 questions with a minimum passing score of 65%.	None	None	None	<a href="http://www.adobe.com">www.adobe.com</a>
ADOBE010	Adobe Certified Associate (ACA) - Dreamweaver	Adobe Systems	CAPE Industry Certification	The Adobe Certified Associate (ACA) - Dreamweaver certification provides individuals with the knowledge to utilize the industry's leading web development tool which enables users to efficiently design, develop and maintain standards-based websites and applications.	1 exam required; computer based	None	None	None	<a href="http://www.adobe.com">www.adobe.com</a>
ADOBE011	Adobe Certified Associate (ACA) - Flash/Animate	Adobe Systems	CAPE Industry Certification	The Adobe Certified Associate (ACA) - Flash/Animate certification provides individuals with the ability to integrate animation, video, text, audio and graphics into engaging user experiences that span a wide variety of digital devices from desktops to mobile phones.	1 exam required; computer based	None	None	None	<a href="http://www.adobe.com">www.adobe.com</a>
ADOBE013	Adobe Certified Expert (ACE) - Acrobat	Adobe Systems	CAPE Industry Certification	The Adobe Certified Expert (ACE) - Acrobat certification provides individuals with knowledge to create PDF documents, manage document security, configure PDF settings and to create forms and collect data.	1 exam required; 50 questions with a minimum passing score of 68%.	None	None	None	<a href="http://www.adobe.com">www.adobe.com</a>
ADOBE018	Adobe Certified Associate (ACA) - Premiere Pro	Adobe Systems	CAPE Industry Certification	The Adobe Certified Associate (ACA) - Premiere Pro certification allows individuals to demonstrate proficiency in Adobe digital communications tools.	1 exam required; computer based, 50 minutes, 40 multiple choice questions	None	None	None	<a href="http://www.adobe.com">www.adobe.com</a>
ADOBE020	Adobe Certified Associate (ACA) - Illustrator	Adobe Systems	CAPE Industry Certification	The Adobe Certified Associate (ACA) - Illustrator certification provides individuals with knowledge to create illustrations, logos and graphics for print and the Web. Using vector software, individuals can produce detailed and scalable art for almost any application.	1 exam required; computer based	None	None	None	<a href="http://www.adobe.com">www.adobe.com</a>
ADOBE021	Adobe Certified Associate (ACA) - InDesign	Adobe Systems	CAPE Industry Certification	The Adobe Certified Associate (ACA) - InDesign certification is aimed at those who plan careers as professional designers, printers, advertisers, or publishers. Adobe InDesign certification sets the industry standard in desktop publishing for print and digital page layout. Designers can create professional page layouts for print or digital media.	1 exam required; computer based	None	None	None	<a href="http://www.adobe.com">www.adobe.com</a>
ADOBE022	Adobe Certified Associate (ACA) - Photoshop (Creative Cloud 2015 or later)	Adobe Systems	CAPE Industry Certification	The Adobe Certified Associate (ACA) Photoshop (Creative Cloud 2015 or later) certification measures knowledge and skills to plan, design, build, and maintain effective communications by using different forms of digital media. Photoshop enables users to animate video frames, paint and clone over multiple video frames, and import and export video files in a wide range of formats, engaging user experiences that create more accurate composites.	1 exam required; computer based	None	None	None	<a href="http://www.adobe.com">www.adobe.com</a>
AHLAE010	Certified Front Desk Supervisor	American Hotel and Lodging Association Educational Institute	CAPE Industry Certification	The Certified Front Desk Supervisor certification measures knowledge and skills in lodging management, front office and housekeeping management, leadership skills, marketing and sales, and food and beverage service.	2 exams required (one at the end of each year)	Individuals are required to complete 360 hours of instruction (180 hours per year)	Individuals are required to complete 160 hours of an industry-mentored internship at a lodging property	None	<a href="http://www.ahlei.org">www.ahlei.org</a>
AIOPB001	Certified Bookkeeper	American Institute of Professional Bookkeepers	CAPE Industry Certification	The Certified Bookkeeper certification measures knowledge in the skills to achieve recognition of bookkeepers as accounting professionals.	4 exams required; passing score for each exam is 75%.	None	Individuals are required to complete at least two years experience or the part time freelance equivalent.	None	<a href="http://www.aipb.org">www.aipb.org</a>
AMAMA001	Certified Medical Assistant (CMA)	American Association of Medical Assistants	CAPE Industry Certification	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>
AMDDA002	Certified Apprentice Drafter - Architectural	American Design Drafting Association	CAPE Industry Certification	The Certified Apprentice Drafter - Architectural certification measures knowledge and skills in professional drafting practices in the workplace: communications, drafting equipment: media and reproduction, architectural sketching: orthographic projection, lines: lettering and general terminology, mathematics and geometry, architectural products: styles, history and identification and terminology, site layout: identifications and terminology; drawing identification: architectural numbering and drawing management; dimensioning and notations; floor plan layout: relationships, identification and terminology; HVAC, plumbing, and electrical plans: identification and terminology; roof plans: identification and terminology, elevations; framing: framing plans and identification and terminology; foundation plans: identification and terminology, sections, stairs and steps; building codes and governing bodies; schedules, doors, windows and finishes; estimations, specifications and calculations, and definitions and building materials.	1 exam required; 120 minutes; 400 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>

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AMDDA003	Certified Drafter - Architectural	American Design Drafting Association	CAPE Industry Certification	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	CAPE Industry Certification	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>
AMDDA005	Certified Apprentice Drafter - Mechanical	American Design Drafting Association	CAPE Industry Certification	The Certified Apprentice Drafter - Mechanical certification measures knowledge and skills in abbreviations, terms and identification; drafting equipment, media and reproduction; shapes, lettering and geometric symbology; dimensioning and notations; orthographic projections: identification and terminology; geometric construction and descriptive geometry; multiview drawing: identification and terminology; sectional views: identification and terminology; auxiliary views: identification and terminology; pictorials: identification and terminology; basic welding: symbols and identification and terminology; basic tolerancing: GD&T; basic math and geometry and drafting math; drawing implementation, identification, numbering and drawing management; and professional drafting practices in the workplace: communications.	1 exam required; 180 minutes; 395 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>
AMEDT005	Registered Phlebotomy Technician (RPT)	American Medical Technologists (AMT)	CAPE Industry Certification	The Registered Phlebotomy Technician (RPT) certification measures knowledge and skills in the collection of blood samples from patients by venipuncture and microtechniques. This certification assures quality and patient safety mandates, strict professional behavior and standards of practice for all Phlebotomists.	1 exam required; 200 questions	Successful completion of a phlebotomy training program which includes at least 120 hours of didactic instruction and 120 hours of clinical practicum.	Completed at least 1,040 hours of work experience as a phlebotomy technician within the past three (3) years; this is to include venipunctures, skin punctures, specimen processing, communication skills, and clerical duties.	None	<a href="http://www.americanmedtech.org">www.americanmedtech.org</a>
AMSPT002	Certified Phlebotomy Technician	American Society of Phlebotomy Technicians	CAPE Industry Certification	The Certified Phlebotomy Technician certification measures knowledge and the skills in the collection of blood samples from patients by venipuncture and microtechniques. This certification assures quality and patient safety mandates, strict professional behavior and standards of practice for all Phlebotomists.	1 exam required	Successful completion of an accredited phlebotomy training program; must have at least 100 documented successful venipunctures and 5 documented skin punctures and a current ASPT membership.	One full year as a part-time phlebotomist, or six months as a full-time phlebotomist; or a letter from a health care supervisor attesting that part of the job is procuring blood specimens regularly.	None	<a href="http://www.aspt.org">www.aspt.org</a>
AMSTL003	Global Logistics Associate (GLA)	American Production and Inventory Control Society (APICS)	CAPE Industry Certification	The Global Logistics Associate (GLA) certification measures knowledge and skills in logistics and supply chain management. This certification focuses on a general knowledge of logistics/supply chain and the associated functions necessary for delivery of goods.	1 exam required	None	None	None	<a href="http://www.apics.org">www.apics.org</a>
APPLE002	Apple Certified Technical Coordinator	Apple, Inc.	CAPE Industry Certification	Apple Certified Technical Coordinator (ACTC) certification verifies a foundation in Mac OS X and Mac OS X Server core functionality and an ability to configure key services and perform basic troubleshooting of the essential Mac OS X and Mac OS X Server capabilities.	2 exams required; passing score of 75% or greater	None	None	None	<a href="http://training.apple.com/certification">training.apple.com/certification</a>
APPLE018	Apple Certified Pro (ACP) - Logic Pro X	Apple, Inc.	CAPE Industry Certification	The Apple Certified Pro (ACP) - Logic Pro X certification provides individuals with the ability to generate a customized audio and MIDI configuration that will seamlessly integrate with their own personal production studio.	1 exam required; 2 hours; 105 questions; passing score of 62% or greater	None	None	None	<a href="http://training.apple.com/certification">training.apple.com/certification</a>
APPLE019	Apple Certified Support Professional	Apple, Inc.	CAPE Industry Certification	The Apple Certified Support Professional Certification provides knowledge on how to add a Mac to windows or other standards-based networks; Supports OSX users in a business, education institution or school district; manages networks on OSX systems in an organization; manage complex, multi-platform networks that include OSX systems.	1 exam required; passing score of 73% or greater	None	None	None	<a href="http://training.apple.com/certification">training.apple.com/certification</a>
APPLE020	Apple Certified Pro (ACP) - Final Cut Pro X	Apple, Inc.	CAPE Industry Certification	The Apple Certified Pro (ACP) - Final Cut Pro X certification measures knowledge and skills in the Final Cut Pro X application including basic setup, adjusting and customizing preferences and settings, capturing video and audio, various editing and trimming techniques, ripple, roll, slip and slide tools, audio editing and audio creation, finishing and final output.	1 exam required	None	None	None	<a href="http://training.apple.com/certification">training.apple.com/certification</a>

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AVIDT001	Avid Media Composer Certified User	Avid	CAPE Industry Certification	The Avid Media Composer Certified User certification offers an established and recognized goal for both academic users and industry professionals. The Avid Media Composer User Certification requires that a student display a firm grasp of the core skills, workflows, and concepts of non-linear editing on the V5.0 Avid Media Composer system.	1 exam required; 60 questions; 75 minutes	None	None	None	<a href="http://www.avid.com/US/">www.avid.com/US/</a>
AWELD001	Certified Welder	American Welding Society	CAPE Industry Certification	The Certified Welder certification tests procedures used in the structural steel, petroleum pipelines, sheet metal and chemical refinery welding industries.	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="http://www.aws.org">www.aws.org</a>
CARCH001	Chief Architect User Certification	Chief Architect, Inc.	CAPE Industry Certification	The Chief Architect Certified Apprentice certification measures knowledge and skills for demonstrating competency in the areas of drafting, designing, architecture, building and remodeling.	1 exam required; 4 hours; hands-on use of the program with fill-in-the-blank questions from 20 competency areas	None	None	None	<a href="http://www.chiefarchitect.com">www.chiefarchitect.com</a>
CARCH002	Chief Architect Certified Apprentice	Chief Architect, Inc.	CAPE Industry Certification	The Chief Architect Certified Apprentice certification measures knowledge and skills for demonstrating competency in the areas of home design and interior design.	1 exam required; half day; hands-on use of the program with fill-in-the-blank questions from 20 competency areas	None	None	None	<a href="http://www.chiefarchitect.com">www.chiefarchitect.com</a>
CERHB001	Biotechnician Assistant	Center for Excellence for Regenerative Health Biotechnology at University of Florida	CAPE Industry Certification	The Biotechnician Assistant Credentialing Exam (BACE) is a certification designed to assess core skills and knowledge sets identified by industry, and represented within the academic and performance standards of Florida's secondary Biotechnology program.	1 exam required; passing score of 80% or greater (written and practical sections of exam)	None	None	None	<a href="http://www.cerhb.ufl.edu/education-center/biotechnician-assistant-credential">www.cerhb.ufl.edu/education-center/biotechnician-assistant-credential</a>
CISCO003	Cisco Certified Entry Network Technician (CCENT)	Cisco Systems, Inc.	CAPE Industry Certification	The Cisco Certified Entry Network Technician (CCENT) certification validates the skills required for entry-level network support positions. CCENT certified professionals have the knowledge and skill to install, operate, and troubleshoot a small enterprise branch network, including basic network security.	1 exam required (640-822); 75 minutes; 40-50 questions	None	None	None	<a href="http://www.cisco.com">www.cisco.com</a>
CISCO004	Cisco Certified Network Associate (CCNA)	Cisco Systems, Inc.	CAPE Industry Certification	The Cisco Certified Network Associate (CCNA) Routing and Switching certification validates the ability to install, configure, operate, and troubleshoot medium-size routed and switched networks, including implementation and verification of connections to remote sites.	1 exam required; 90 minutes	None	None	None	<a href="http://www.cisco.com">www.cisco.com</a>
CISCO005	Cisco Certified Network Professional (CCNP)	Cisco Systems, Inc.	CAPE Industry Certification	The Cisco Certified Network Professional (CCNP) Routing and Switching certification validates the ability to plan, implement, verify and troubleshoot local and wide-area enterprise networks and work collaboratively with specialists on advanced security, voice, wireless and video solutions.	4 exams required (642-901 BSCI, 642-812 BCMSN, 642-825 ISCW, 642-845 ONT)	None	None	None	<a href="http://www.cisco.com">www.cisco.com</a>
CISCO011	Cisco Certified Network Associate Security (CCNA Security)	Cisco Systems, Inc.	CAPE Industry Certification	The Cisco Certified Network Associate Security (CCNA Security) certification validates associate-level knowledge and skills required to secure Cisco networks. With a CCNA Security certification, a network professional demonstrates the skills required to develop a security infrastructure, recognize threats and vulnerabilities to networks, and mitigate security threats.	1 exam required (640-553); 90 minutes; 60-70 questions	None	None	None	<a href="http://www.cisco.com">www.cisco.com</a>
CISCO013	Cisco Certified Network Associate Wireless (CCNA Wireless)	Cisco Systems, Inc.	CAPE Industry Certification	The CCNA Wireless certification validates skills in the configuration, implementation and support of wireless LANs, specifically those networks using Cisco equipment.	1 exam required (640-721); 90 minutes; 75-85 questions	None	None	None	<a href="http://www.cisco.com">www.cisco.com</a>
CISCO017	Cisco Certified Network Professional Wireless (CCNP Wireless)	Cisco Systems, Inc.	CAPE Industry Certification	The CCNP Wireless certification measures knowledge and skills in designing, implementing, and securing Cisco Wireless networks for optimal performance. CCNP Wireless certification emphasizes wireless networking principles and theory.	4 exams required (642-731; 642-741; 642-746; 642-736).	None	None	None	<a href="http://www.cisco.com">www.cisco.com</a>
CISCO018	Cisco Certified Internetwork Expert Routing and Switching (CCIE Routing & Switching)	Cisco Systems, Inc.	CAPE Industry Certification	Cisco Certified Internetwork Expert Routing and Switching (CCIE Routing and Switching) measures the skills required of expert-level network engineers to plan, operate and troubleshoot complex, converged network infrastructure.	1 exam required; 2 hours; 90-110 questions	None	None	None	<a href="http://www.cisco.com">www.cisco.com</a>
CNCSI001	Mastercam Certified Programmer Mill Level 1 (CPgM1)	CNC Software Inc.	CAPE Industry Certification	The Mastercam Certified Programmer Mill Level 1 (CPgM1) is a set of practical tests that demonstrate a programmer's ability to work effectively with CAM software, overcome common issues facing today's shops, and produce high quality finished parts. Geared to 2D machining, it assesses the user's CNC (Computer Numerical Control) knowledge.	1 exam required; 120 multiple choice questions; passing score of 70% or greater	None	None	None	<a href="http://www.mastercam.com">www.mastercam.com</a>
CNCSI002	Mastercam Associate Certification - Mill Design and Toolpaths	CNC Software Inc.	CAPE Industry Certification	The Mastercam Associate Certification - Mill Design and Toolpaths measures knowledge and skills in Geometry; 2D High Speed Toolpaths (HST) and Feature Based Machining (FBM); Solids; Toolpath; and Operations Manager.	1 comprehensive online exam required after every module, one final comprehensive online exam required; passing score of 80% or greater	None	None	None	<a href="http://www.mastercam.com">www.mastercam.com</a>
COMPT001	CompTIA A+	Computing Technology Industry Association (CompTIA)	CAPE Industry Certification	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>
COMPT002	CompTIA CDIA+	Computing Technology Industry Association (CompTIA)	CAPE Industry Certification	The CompTIA Certified Document Imaging Architect+ (CDIA+) certification measures knowledge and skills in document imaging and document management.	1 exam required; 85 questions; 90 minutes	None	None	None	<a href="http://www.comptia.org">www.comptia.org</a>

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COMPT005	CompTIA Linux+	Computing Technology Industry Association (CompTIA )	CAPE Industry Certification	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 )	CAPE Industry Certification	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 )	CAPE Industry Certification	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 )	CAPE Industry Certification	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 )	CAPE Industry Certification	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>
CPREC001	Child Development Associate (CDA)	Council for Professional Recognition	CAPE Industry Certification	The Child Development Associate (CDA) certification measures the knowledge and skills required to meet the specific needs of children and work with parents and other adults to nurture children's physical, social, emotional, and intellectual growth in a child development framework.	1 exam required; 2 hours; multiple choice exam.	None	None	None	<a href="http://www.cdacouncil.org/">www.cdacouncil.org/</a>
DIGIT001	STARS GIS Technician	DigitalQuest, Inc.	CAPE Industry Certification	The STARS (Spatial Technology and Remote Sensing) certification measures knowledge and skills in mapping, projections, coordinate systems, scale, and multispectral imagery.	1 exam required	1 guided project is also required	None	None	<a href="http://www.digitalquest.com">www.digitalquest.com</a>
DIGIT002	SPACE Geospatial Certification	DigitalQuest, Inc.	CAPE Industry Certification	The SPACE certification measures knowledge and skills in GIS, GPS, and Remote Sensing.	1 exam required	1 practical evaluation project is also required.	None	None	<a href="http://www.digitalquest.com/">www.digitalquest.com/</a>
ESRIC001	ArcGIS Desktop Entry	ESRI (Environmental Systems Research Institute)	CAPE Industry Certification	The ArcGIS Desktop Entry certification measures knowledge and skills in ArcGIS platform awareness, basic analysis tools, and coordinate systems.	1 exam required, 95 multiple choice questions with a 2 hour limit	None	None	None	<a href="http://www.esri.com/training/main/certification">www.esri.com/training/main/certification</a>
ETAIN006	Avionics Electronics Technician	Electronics Technician Association International	CAPE Industry Certification	The Avionics Electronics Technician certification measures knowledge and skills in the following technical areas: avionics systems, cables and cabling, computers and digital concepts, amplifiers, interfacing, antennas & transmission lines, components, mathematics, network topologies and infrastructures, people relations, optical cabling, safety, test equipment & tools, satellite communications, and troubleshooting.	2 exams required; 2 hours; passing score at least 75% or greater on both exams	None	An individual with two or more years of combined work and electronics training may apply for the Journeyman exam.	None	<a href="http://www.eta-i.org">www.eta-i.org</a>
FDMQA002	Certified Nursing Assistant (CNA)	Florida Department of Health	CAPE Industry Certification	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>
FDMQA030	911 Public Safety Telecommunicator	Florida Department of Health	CAPE Industry Certification	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>

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FEDAA002	FAA Aviation Maintenance Technician - General	Federal Aviation Administration	CAPE Industry Certification	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>
FEDAA007	FAA Pilot - Instrument	Federal Aviation Administration	CAPE Industry Certification	The FAA Pilot - Instrument certification measures the knowledge and skills required to operate a powered civil aircraft with a standard category U.S. airworthiness certificate in any operation that contains the instruments and equipment specified for that type of operation, and those instruments and items of equipment are in operable condition under instrument flight rules or in weather conditions less than the minimums prescribed for visual flight rules.	1 exam required; passing score of 70% or greater	Hold a current private pilot certificate with an airplane, helicopter, or power-lift rating; be able to speak, write, and understand English; receive and log ground training from an authorized instructor or complete a home-study course; receive logbook or training record endorsement from authorized instructor to take knowledge test and practical test; receive and log flight proficiency training; and pass the required knowledge test on aeronautical knowledge areas and practical test on the areas of operation in flight proficiency.	Must have logged at least 50 hours of cross-country flight time as pilot in command, with 10 hours in airplanes for an instrument-airplane rating; and 40 hours of actual or simulated instrument time.	Meet any other requirements as outlined in the appropriate sections of 14 CFR part 61	<a href="http://www.faa.gov/licenses_certificates">www.faa.gov/licenses_certificates</a>
FEDAA011	FAA Private Pilot	Federal Aviation Administration	CAPE Industry Certification	The FAA Private Pilot license is a license that permits the holder to act as the pilot-in-command of an aircraft privately.	1 exam required	A certificate of graduation from a pilot training course conducted by an FAA-approved pilot school, or a statement of accomplishment from the school certifying the satisfactory completion of the ground-school portion of such a course; A written statement from an FAA-certified ground or flight instructor, certifying that the candidate has satisfactorily completed the required ground instruction.	None	Logbook entries by an FAA-certified ground or flight instructor, certifying satisfactory completion of the required ground instruction; A certificate of graduation or statement of accomplishment from a ground school course conducted by an agency such as a high school, college, adult education program, the Civil Air Patrol, or an ROTC Flight Training Program; or A certificate of graduation from a home-study course developed by the aeronautical enterprise providing the study material.	<a href="http://www.faa.gov/licenses_certificates">www.faa.gov/licenses_certificates</a>
FEDAA013	FAA Ground School	Federal Aviation Administration	CAPE Industry Certification	FAA Ground School certification measures the knowledge and skills of ground instruction for pilots.	1 exam required; passing score of 70% or greater required	An individual must have a certificate of graduation from a pilot training course conducted by an FAA-approved pilot school, or a statement of accomplishment from the school certifying the satisfactory completion of the ground-school portion of such a course.	None	None	<a href="http://www.faa.gov/licenses_certificates">www.faa.gov/licenses_certificates</a>
FEDAA015	FAA Ground Instructor - Basic	Federal Aviation Administration	CAPE Industry Certification	The FAA Ground Instructor - Basic certification measures the knowledge and skills required to provide ground training, flight reviews, and recommendations for knowledge tests in the aeronautical knowledge area required for the issuance of a sport pilot, recreational pilot, or private pilot certificate.	1 exam required; passing score of 70% or greater required	To be eligible for ground instructor certificate: an individual must be at least 18 years of age; able to read, write, speak, and understand English; and meet any other requirements as outlined in the appropriate sections of 14 CFR part 61.	None	None	<a href="http://www.faa.gov/licenses_certificates">www.faa.gov/licenses_certificates</a>
FLADA001	Florida Automobile Dealers Association (FADA) Certified Technician	Florida Automobile Dealers Association	CAPE Industry Certification	The Florida Automobile Dealers Association (FADA) Certified Technician measures mastery of automotive service technology core competencies, skills, and knowledge as an "entry-level" technician.	1 exam required; 4 hours	None	None	None	<a href="http://www.flada.org/certified-technician-program/">www.flada.org/certified-technician-program/</a>
FLAQA001	Aquaculture Technician	Florida Aquaculture Association	CAPE Industry Certification	The Aquaculture Technician certification measures knowledge and skills in biological principles, propagation and culture techniques and marketing related to the aquaculture industry.	1 exam required; 100 multiple choice questions; passing score of 60% or greater required	To be eligible to take the exam: 1) Aquaculture 2 and 75% of Aquaculture 3 at the high school level or 2) Have worked on a aquaculture farm and has over 300 hours of verifiable work experience.	None	None	<a href="http://flaa.org/certification">flaa.org/certification</a>
FLDEP003	Wastewater Treatment Plant Operator Level C	Florida Department of Environmental Protection	CAPE Industry Certification	The Wastewater Treatment Plant Operator Level C certification measures knowledge and skills necessary for employment in a wastewater treatment facility: disinfection, facilities & collection systems, laboratory sampling, analysis & interpretation, maintenance, perform safety and security procedures, primary treatment, records & reporting, regulations, secondary processes, and solids handling.	1 exam required (per level), 100 multiple choice questions, 3 hours, passing score of 70% or greater required	Must have a high school diploma or its equivalent and have successfully completed an approved required training course for the classification and level of the examination to be taken no more than 5 years before the examination.	None	None	<a href="http://www.dep.state.fl.us/water/wfi/ocp/">www.dep.state.fl.us/water/wfi/ocp/</a>



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FLDEP006	Water Treatment Plant Operator Level C	Florida Department of Environmental Protection	CAPE Industry Certification	The Water Treatment Plant Operator Level C certification measures knowledge and skills required for employment in a water treatment plant: overall water treatment process, scientific concepts, chemical, biological, and physical constituents of water, regulations, pumping & basic hydraulics and aeration, flocculation, sedimentation, filtration, water-softening, stabilization, corrosion, disinfection, chemical removal, demineralization, and fluoridation processes.	1 exam required (per level), 100 multiple choice questions, 3 hours, passing score of 70% or greater required	Must have a high school diploma or its equivalent and have successfully completed an approved required training course for the classification and level of the examination to be taken no more than 5 years before the examination.	None	None	<a href="http://www.dep.state.fl.us/water/wtf/ocp/">www.dep.state.fl.us/water/wtf/ocp/</a>
FLENG001	Engineering Core certification	Florida Engineering Society	CAPE Industry Certification	The Engineering Core certification measures knowledge and skills in introduction to engineering design; principles of engineering; aerospace engineering; civil engineering and architecture; computer integrated manufacturing; computer science principles; digital electronics environmental sustainability; and engineering design and development.	3 exams required; total of 19 combined scale score	None	None	None	<a href="http://www.fleng.org">www.fleng.org</a>
FLFBR001	Agritechnology Certification	Agricultural Education Services and Technology Inc.	CAPE Industry Certification	The Agritechnology Certification documents proficiency in the following agriculture areas: agricultural safety; environmental resource conservation and management; plant growth and reproduction, including fertilization, irrigation and pest control; animal systems and livestock management, including health and reproduction; agricultural machinery and facility maintenance and operations; agribusiness marketing and finance concepts, and mathematics and physical science skills.	1 exam required; computer based, 2 hours	None	None	None	<a href="http://certify.ag/">certify.ag/</a>
FLFBR002	Agricultural Biotechnology Certification	Agricultural Education Services and Technology Inc.	CAPE Industry Certification	The Agriculture Biotechnology Certification measures knowledge and skills in agricultural laboratory safety, application and regulations for biotechnology, laboratory skills, including record maintenance, operating procedures, DNA extraction, buffer preparation, etc., tissue and cell culture techniques, biotechnological applications to agriculture, food and natural resources, genetic principles (inheritance, DNA properties, expression), and scientific reasoning, mathematics and physical science skills.	1 exam required; computer based, 2 hours	None	None	None	<a href="http://certify.ag/">certify.ag/</a>
FLFBR003	Agricultural Communications Certification	Agricultural Education Services and Technology Inc.	CAPE Industry Certification	The Agricultural Communications certification measures knowledge and skills in the communications sector of the agricultural industry including instruction in developing and editing materials for printed media and media broadcast, utilizing photography and graphics, the importance of the internet in communications, writing technical papers and media scripts, ethical and professional issues in the industry, and advertising and marketing.	1 exam required; 2 hours; 100 multiple choice questions; minimum score of 75%	None	None	None	<a href="http://certify.ag/">certify.ag/</a>
FLFBR004	Agricultural Mechanics Certification	Agricultural Education Services and Technology Inc.	CAPE Industry Certification	The Agricultural Mechanics (Technical Agriculture Operations) certification measures knowledge and skills in the mechanics sector of the agricultural industry including mechanical operations, welding, small engine maintenance and repair, planning, management, finance, technical and production skills, underlying principles of technology, labor issues, community issues, and health, safety, and environmental issues.	1 exam required; 2 hours; 100 multiple choice questions; minimum score of 75%	None	None	None	<a href="http://certify.ag/">certify.ag/</a>
FLFBR005	Animal Science Certification	Agricultural Education Services and Technology Inc.	CAPE Industry Certification	The Animal Science certification measures knowledge and skills in the animal sector of the agriculture industry including planning, management, finance, technical and production skills, underlying principles of technology, labor issues, community issues, health, safety and environmental issues, and the use and care of animal health-care instruments, animal grooming equipment, animal restraining equipment, and laboratory equipment.	1 exam required; 2 hours; 100 multiple choice questions; minimum score of 75%	None	None	None	<a href="http://certify.ag/">certify.ag/</a>
FLFBR006	Unmanned Aircraft Systems (UAS) - Precision Agriculture Specialist	Agricultural Education Services and Technology Inc.	CAPE Industry Certification	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.	1 exam required; 100 multiple choice questions; passing score of 75% or greater	None	None	None	<a href="http://certify.ag/">certify.ag/</a>
FLSFM005	Fire Fighter I	Florida Department of Financial Services, State Fire Marshal, Bureau of Fire Standards & Training	CAPE Industry Certification	The Fire Fighter I certification demonstrates knowledge and skills to function in a firefighting team in a hazardous environment under direct supervision.	1 exam required	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.	None	None	<a href="http://www.myfloridacto.com/division/sfm/bfst/">www.myfloridacto.com/division/sfm/bfst/</a>

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FLVMA002	Certified Veterinary Assistant (CVA)	Florida Veterinary Medical Association	CAPE Industry Certification	The Certified Veterinary Assistant (CVA) certification measures knowledge and skills to familiarize new assistants and other hospital staff with the procedures performed daily in an animal hospital.	2 exams required (Level One and Level Two); the CVA student must demonstrate numerous hands-on skills for their supervisor; and a CVA Final Exam.	Online Curriculum - 10 units comprised of approximately 100 veterinary videos and Power Point presentations	A 90-day (500 hours) working apprenticeship in the veterinary hospital of the candidate's choice. Once the applicant has successfully achieved Level One certification, they must Complete six months (180 day work experience/ 1000 hours) at Level One before they are eligible to sit for the Level Two exam.	None	<a href="http://fvma.org/certification/certified-vet-assistant/">fvma.org/certification/certified-vet-assistant/</a>
FMAIN001	Precision Sheetmetal Operator - Level I (PSMO)	Fabricators & Manufacturers Association, International (FMA)	CAPE Industry Certification	The Precision Sheetmetal Operator - Level I (PSMO) certification provides objective evidence of a person's expertise in shearing, sawing, press brake, turret punch press, laser cutting, and mechanical finishing; assists manufacturing organizations in selecting, promoting, and retaining workers; and helps manufacturing organizations improve productivity, quality, and scrap rates.	1 exam required; 100 questions	Applicant must meet the following requirements: one to two years experience as a machine operator; or one to two years of technical training from an accredited program; or successful completion of a one year formally-recognized apprenticeship program in precision sheet metal	None	None	<a href="http://www.fmanet.org">www.fmanet.org</a>
FNGLA001	Certified Horticulture Professional	Florida Nursery Growers and Landscape Association	CAPE Industry Certification	The Florida Nursery, Growers & Landscape Association (FNGLA) Certified Horticulture Professional (FCHP) certification measures knowledge and skills in horticulture in areas such as plant and pest identification and landscape management.	1 exam required, 4-parts; 3 hours	Must be employed in Florida horticulture for 90 days prior to application; Be a student in a horticulture program (or graduated within the preceding 18 months); Be an instructor of horticulture; or Be a member of the Florida Nursery, Growers & Landscape Association (FNGLA). Eight week online short courses to prepare for the exam.	None	None	<a href="http://www.fn gla.org">www.fn gla.org</a>
GRBCI002	LEED Green Associate	Green Building Certification Institute	CAPE Industry Certification	The LEED, or Leadership in Energy & Environmental Design, certification is a green building certification that recognizes building strategies and practices. To receive LEED certification, building projects satisfy prerequisites and earn points to achieve different levels of certification: Certified, Silver, Gold and Platinum.	1 exam required	None	None	None	<a href="http://www.gbci.org">www.gbci.org</a>
HBINS002	Pre-Apprenticeship Certificate Training (PACT), Building Construction Technology	Home Builders Institute	CAPE Industry Certification	The Pre-Apprenticeship Certificate Training (PACT), Building Construction Technology certification measures knowledge and skills in carpentry, electrical, plumbing, brick masonry, landscaping, facilities maintenance, painting and weatherization.	1 exam required; 60 questions; 50 minutes	None	None	None	<a href="http://www.hbi.org">www.hbi.org</a>
HVACE001	HVAC Excellence Employment Ready - Heat Pump	HVAC Excellence	CAPE Industry Certification	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	CAPE Industry Certification	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>
HVACE011	HVAC Excellence Employment Ready - Electrical	HVAC Excellence	CAPE Industry Certification	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>
IEMSR001	Emergency Medical Responder	International EMS Registry	CAPE Industry Certification	The Emergency Medial Responder certification measures knowledge and skills in the evaluation, treatment, stabilization, and transport of a patient that suffers from an illness or trauma. Individuals completing the secondary program in Emergency Medical Responder are eligible to sit for the certification.	1 exam required; passing score of 70% or greater required for EMT and EMT-I; 80% or greater for Paramedic	Must be 16 years old.	None	None	<a href="http://www.iemsr.org">www.iemsr.org</a>
IFSEA001	Certified Food Associate (CFA)	International Food Service Executive Association	CAPE Industry Certification	The Certified Food Associate (CFA) certification measures knowledge and skills required for food managers who are responsible for the daily operations of restaurants and other establishments that prepare and serve meals and beverages to customers. Besides coordinating activities among various departments, such as kitchen, dining room, and banquet operations, food service managers are responsible for ensuring that customers are satisfied with their dining experience. In addition, they oversee the inventory and ordering of food, equipment, and supplies and arrange for the routine maintenance and upkeep of the restaurant, its equipment, and facilities.	1 exam required; 80 questions	None	None	None	<a href="http://www.ifsea.com">www.ifsea.com</a>
IHKBZ001	CNC Production Specialist	IHK-Bildungszentrum	CAPE Industry Certification	The CNC (computer numeric controlled) Production Specialist certification enables individuals to show their knowledge of computer-aided programming systems of CAD/CNC coupling and the CIM environment. Individuals are able to generate CNC programs on their own with a graphical programming system and to apply their knowledge to multi-axial turning and milling centers. Topics include application software, input and output devices, CAD system 2D/3D, menu-tablet-oriented operation, basic drawing commands, object snap functions, editing functions, layers, formats, CAD/CAM coupling, CAD 3D/CNC coupling, CNC operation, graphical simulation, and CNC machining.	1 exam required	None	None	None	<a href="http://www.machiningtrainingsolutions.com/IHK.html">www.machiningtrainingsolutions.com/IHK.html</a>



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IHKBZ002	Electronics Technician for Industrial Engineering	IHK-Bildungszentrum	CAPE Industry Certification	The Electronics Technician for Industrial Engineering certification measures knowledge and skills to sign off electrical equipment; design equipment modifications and expansions; set up and clear away workplaces/building sites; organize plant assembly; monitor the work of service providers and other trades; assemble and install wiring systems, information cables and power lines, including general supply lines; install and set up machines and drive systems, including pneumatic/hydraulic components; assemble and wire up switchgear and automation systems; program and configure systems, test the functionality and safety facilities of systems; monitor and maintain plants, carry out checks on a regular basis; analyze faults, initiate immediate measures and carry out routine repairs to plants; and hand over plants, instruct users in their operation and provide services.	1 exam required	None	None	None	<a href="http://www.bibb.de/tools/berufesuche/index.php/certificate_supplement/en/elektroniker_betriebstechnik_e.pdf">www.bibb.de/tools/berufesuche/index.php/certificate_supplement/en/elektroniker_betriebstechnik_e.pdf</a>
IHKBZ003	Industrial Mechanic	IHK-Bildungszentrum	CAPE Industry Certification	The Industrial Mechanic certification measures knowledge and skills to organize and check production and manufacturing processes; make structural components and subassemblies and assemble them to produce technical systems; identify and document faults in technical systems and identify the causes of such faults; repair technical systems; retrofit machines and systems; carry out maintenance work and inspections; select testing procedures and equipment; deliver technical systems and products to customers and provide instructions in the use of plants; ensure the functionality of technical systems; monitor and extend electrical control components; accord due consideration to business processes and apply quality management; act autonomously in carrying out activities according due consideration to relevant regulations and safety provisions; coordinate work with upstream and downstream divisions; set up workplaces; behave in a manner appropriate to the situation in communicating with internal and external customers, work as part of a team; and check and document maintenance and assembly work according due consideration to company quality management systems.	1 exam required	None	None	None	<a href="http://www.bibb.de/tools/berufesuche/index.php/certificate_supplement/en/industriemechaniker_e.pdf">www.bibb.de/tools/berufesuche/index.php/certificate_supplement/en/industriemechaniker_e.pdf</a>
IHKBZ004	Mechatronics Fitter	IHK-Bildungszentrum	CAPE Industry Certification	The Mechatronics Fitter certification measures knowledge and skills to plan and control work processes, monitor and evaluate results and apply quality management systems; process mechanical parts and assemble sub-assemblies and components into mechatronic systems; install electrical sub-assemblies and components; measure and test electrical values; install and test hardware and software components; build and test electrical, pneumatic and hydraulic control systems; program mechatronic systems; assemble, dismantle, secure and transport machinery, systems and plants; test and adjust the functioning of mechatronic systems; commission and operate mechatronic systems; deliver mechatronic systems to clients and provide instruction for their operation; and carry out maintenance operations on mechatronic systems.	1 exam required	None	None	None	<a href="http://www.bibb.de/tools/berufesuche/index.php/certificate_supplement/en/mechatroniker_e.pdf">www.bibb.de/tools/berufesuche/index.php/certificate_supplement/en/mechatroniker_e.pdf</a>
IHKBZ005	Precision Machinist	IHK-Bildungszentrum	CAPE Industry Certification	The Precision Machinist certification measures knowledge and skills to carry out work assignments autonomously according due consideration to the relevant regulations and safety provisions and on the basis of technical documentation and work orders, work as part of a team; procure information, plan coordinate and agree work with line managers, with colleagues and with upstream; and downstream functional divisions using German and English language technical terminology and document work; initiate quality assurance measures and measures for health and safety at work and environmental protection; plan and control work processes, check and evaluate work results; apply standards and guidelines to ensure product quality and assist in the continuous improvement of work processes in the company; measure and test mechanical and physical values; manufacture workpieces and components using manual and machine production processes; develop and optimize programmes and operate numerically controlled machinery, equipment or plants; assemble, dismantle and commission machines, equipment, facilities, systems and plants including open and closed loop control systems in the company and instruct customers; and carry out maintenance work, detect errors and malfunctions and carry out routine repair works to machines, equipment, facilities, systems and plants including open and closed loop control systems.	1 exam required	None	None	None	<a href="http://www.bibb.de/tools/berufesuche/index.php/certificate_supplement/en/feinwerkmechaniker_e.pdf">www.bibb.de/tools/berufesuche/index.php/certificate_supplement/en/feinwerkmechaniker_e.pdf</a>
INTUT001	Quickbooks Certified User	Intuit	CAPE Industry Certification	The QuickBooks Certified User certification documents proficiency of accounting professions with the QuickBooks Financial Software (Pro, Premier, and Enterprise editions).	1 exam required; 50 multiple choice questions; computer based; passing score of 80% or greater required.	None	None	None	<a href="http://quickbookstraining.com/quickbooks-certification/">quickbookstraining.com/quickbooks-certification/</a>
ISCET002	Electronics System Associate (ESA)	International Society for Certified Electronics Technicians	CAPE Industry Certification	The Electronics System Associate (ESA) certification measures knowledge and skills in DC, AC, Semi-conductor and Digital Electronics.	4 exams required	None	None	None	<a href="http://www.iscet.org/certification/index.html">www.iscet.org/certification/index.html</a>

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MICRO017	Microsoft Office Specialist Master	Microsoft Corporation	CAPE Industry Certification	The Microsoft Office Specialist Master certification measures technical proficiency and expertise of an individual with the Microsoft Office programs including the ability to use advanced features and ability to integrate the Office programs with other software programs.	4 exams required include Office 2010 ((MOS Word Expert, MOS Excel Expert, and MOS PowerPoint) and 1 elective exam (MOS Outlook, MOS SharePoint, or MOS Access)) and Office 2013 (Word 2013, Excel 2013, and Traditional Office 2013 tracks)	None	None	None	<a href="http://www.microsoft.com/learning">www.microsoft.com/learning</a>
MICRO052	Microsoft Certified Trainer (MCT)	Microsoft Corporation	CAPE Industry Certification	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>
MICRO069	Microsoft Office Specialist (MOS) Bundle Certification (3 of 6)	Microsoft Corporation	CAPE Industry Certification	A Microsoft Office Specialist (MOS) certification validates proficiency in using Microsoft Office 2010/2013 by demonstration of proficiency on at least three Microsoft Office products.	3 exams required (Eligible exams include Office 2010 (77-881 - Word 2010, 77-882 - Excel 2010, 77-883 - PowerPoint 2010, 77-884 - Outlook 2010, 77-885 - Access 2010, 77-886 - SharePoint 2010) and Office 2013 (77-418 - Word 2013, 77-419 - SharePoint 2013, 77-420 - Excel 2013, 77-422 - PowerPoint 2013, 77-423 - Outlook 2013, 77-424 - Access 2013); Performance based in a live or simulated environment; 90 minutes	None	None	None	<a href="http://www.microsoft.com/learning">www.microsoft.com/learning</a>
MICRO070	Microsoft Technology Associate (MTA) - Database Administration Fundamentals	Microsoft Corporation	CAPE Industry Certification	The Microsoft Technology Associate (MTA) - Database Administration Fundamentals certification demonstrates an individual's understanding of core database concepts (DML, DDL, and RDBMS), how to create database objects (TSQL, data types, tables, and views), how to manipulate data (SELECT queries, update and delete data), data storage requirements, and how to administer a database (security, backup, and restore).	1 exam required (Exam 98-364 - MTA-Database Administration Fundamentals)	None	None	None	<a href="http://www.microsoft.com/learning">www.microsoft.com/learning</a>
MICRO074	Microsoft Technology Associate (MTA) - Software Development Fundamentals	Microsoft Corporation	CAPE Industry Certification	The Microsoft Technology Associate (MTA) - Software Development Fundamentals certification demonstrates an individual's understanding of core programming concepts, such as computer storage and data types, decision structures, and error handling; object oriented programming, including classes, inheritance, polymorphism, and encapsulation; application life cycle management, application specifications, algorithms and data structures; Web page development (HTML, JavaScript, and CSS); Microsoft ASP.NET Web application development, Web hosting, and Web services; desktop applications, including Windows® Forms applications, console-based applications, and Windows Services; and databases, including RDMS, query methods, and database connection methods.	1 exam required (Exam 98-361 - MTA - Software Development Fundamentals)	None	None	None	<a href="http://www.microsoft.com/learning">www.microsoft.com/learning</a>
MICRO076	Microsoft Technology Associate (MTA) - Windows OS Fundamentals	Microsoft Corporation	CAPE Industry Certification	The Microsoft Technology Associate (MTA) - Windows OS Fundamentals certification demonstrates an individual's understanding of Windows operating system configuration, installing/upgrading and maintaining client systems, and managing applications, files and folders, and devices.	1 exam required (Exam 98-349 - MTA - Windows OS Fundamentals)	None	None	None	<a href="http://www.microsoft.com/learning">www.microsoft.com/learning</a>
MICRO077	Microsoft Technology Associate (MTA) - Security Fundamentals	Microsoft Corporation	CAPE Industry Certification	The Microsoft Technology Associate (MTA) - Security Fundamentals certification demonstrates an individual's understanding of security concepts in a Windows Server 2008 environment such as security layers, operating system security, network security, and security software.	1 exam required (Exam 98-367 - MTA - Security Fundamentals)	None	None	None	<a href="http://www.microsoft.com/learning">www.microsoft.com/learning</a>
MICRO078	Microsoft Technology Associate (MTA) - Networking Fundamentals	Microsoft Corporation	CAPE Industry Certification	The Microsoft Technology Associate (MTA) - Networking Fundamentals certification demonstrates an individual's understanding of networking concepts in a Windows Server 2008 environment such as network infrastructures, network hardware, and protocols and services.	1 exam required (Exam 98-366 - MTA - Networking Fundamentals)	None	None	None	<a href="http://www.microsoft.com/learning">www.microsoft.com/learning</a>
MICRO080	Microsoft Technology Associate (MTA) - HTML5 Application Developer Fundamentals	Microsoft Corporation	CAPE Industry Certification	The Microsoft Technology Associate (MTA) - HTML5 Application Development Fundamentals certification demonstrates an individual's understanding of core HTML5 client application development skills that runs on today's touch-enabled devices (PCs, tablets, and phones).	1 exam required (Exam 98-375 - MTA - HTML5 Application Development Fundamentals)	None	None	None	<a href="http://www.microsoft.com/learning">www.microsoft.com/learning</a>

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MICRO085	Microsoft Certified Solutions Associate (MCSA) - Windows Server 2008	Microsoft Corporation	CAPE Industry Certification	The Microsoft Certified Solutions Associate (MCSA) : Windows Server 2008 certification validates a set of primary Windows Server skills, relevant across multiple solution areas.	3 exams required (Exam 640-Windows Server 2008 Active Directory, Configuring; Exam 642-Windows Server 2008 Network Infrastructure, Configuring; Exam 646-Windows Server 2008 Server Administrator)	None	None	None	<a href="http://www.microsoft.com/learning">www.microsoft.com/learning</a>
MICRO086	Microsoft Certified Solutions Associate (MCSA) - Windows Server 2012	Microsoft Corporation	CAPE Industry Certification	The Microsoft Certified Solutions Associate (MCSA) : Windows Server 2012 certification validates a primary set of Windows Server skills that are relevant across multiple solution areas in a business environment.	3 exams required (exam 410-Installing and Configuring Windows Server 2012, exam 411-Administering Windows Server 2012 and exam 412-Configuring Advance Windows Server 2012 Services)	None	None	None	<a href="http://www.microsoft.com/learning">www.microsoft.com/learning</a>
MICRO102	Microsoft Technology Associate (MTA) - Mobility and Devices Fundamentals	Microsoft Corporation	CAPE Industry Certification	The Mobility and Device Fundamentals certification demonstrates an individual's understanding of device configurations, data access and management, device security, cloud services, and enterprise mobility.	1 exam required (Exam 98-368), 40-60 questions with a 45 minute limit	None	None	None	<a href="http://www.microsoft.com/learning">www.microsoft.com/learning</a>
MSSCN002	MSSC Certified Logistics Technician (CLT)	Manufacturing Skills Standards Council (MSSC)	CAPE Industry Certification	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>
NACFS001	Modeling & Simulation (M&S) Certification	National Center for Simulation	CAPE Industry Certification	The Modeling & Simulation (M&S) Certification measures knowledge and skills in gaming, animation, and simulation.	1 exam required	The M&S Certification Program is open to rising Sophomores, Juniors, and Seniors with a minimum overall GPA of 3.0. Recommendations from two teachers.	None	None	<a href="http://www.simulationinformation.com/modeling-and-simulation-certification">www.simulationinformation.com/modeling-and-simulation-certification</a>
NAHUC001	Certified Health Unit Coordinator (CHUC)	National Association of Health Unit Coordinators, Inc.	CAPE Industry Certification	The Certified Health Unit Coordinator (CHUC) certification demonstrates knowledge and skill in four major areas: transcription of orders; coordination of health unit; equipment/technical procedures; and professional development.	1 exam required; 120 questions; 2.5 hours	If an individual is currently a health unit coordinator, or has completed a training program to become a health unit coordinator, or is involved with health unit coordinating activities, they may test for certification. A individual must also have, at minimum, a high school diploma or GED.	None	None	<a href="http://www.nahuc.org">www.nahuc.org</a>
NASME001	NASM Certified Personal Trainer (CPT)	National Academy of Sports Medicine	CAPE Industry Certification	The NASM Certified Personal Trainer (CPT) certification measures knowledge and skills in exercise, stretching, nutrition and other facets of health science.	1 exam required; 120 questions; passing score of 70% or greater required	Must be at least 18 years old. Must have CPR and AED certifications.	None	None	<a href="http://www.nasm.org">www.nasm.org</a>
NATEX001	Air Conditioning Service Technician	North American Technician Excellence	CAPE Industry Certification	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 Speciality Air Conditioning Installation test); 50 questions on CORE tests and 100 questions on Speciality 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	CAPE Industry Certification	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 Speciality Air Conditioning Installation test); 50 questions on CORE tests and 100 questions on Speciality 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	CAPE Industry Certification	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 Speciality Air Air to Air Heat Pump Installation exam); 50 questions on CORE tests with 90 minutes to complete; 100 questions on Speciality 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>
NATHA002	Certified EKG Technician (CET)	National Healthcareer Association	CAPE Industry Certification	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>

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NATHA003	Certified Medical Administrative Assistant (CMAA)	National Healthcareer Association	CAPE Industry Certification	The Certified Medical Administrative Assistant (CMAA) certification ensures individuals have the knowledge of patients' medical records and office management skills; appointment/ scheduling/ correspondence; and mail management skills.	1 exam required; 110 questions; 2 hours 10 minutes	To be eligible for NHA certification, applicants must possess a high school diploma or GED, and have completed a training program or have one year work experience in the field. Individuals who have completed the State of Florida's Medical Administrative Assistant Program may apply to NHA to receive a waiver to take exam prior to high school graduation.	None	None	<a href="http://www.nhanow.com">www.nhanow.com</a>
NATHA006	Certified Patient Care Technician (CPCT)	National Healthcareer Association	CAPE Industry Certification	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>
NATHA007	Certified Phlebotomy Technician (CPT)	National Healthcareer Association	CAPE Industry Certification	The Certified Phlebotomy Technician (CPT) measures knowledge and skills to draw blood from patients in hospitals, blood centers, or similar facilities for analysis or other medical purposes. As a CPT, one may perform some or all of the following tasks: basic phlebotomy procedures; Evaluate patients for ability to withstand venipuncture procedure; Explain the venipuncture procedure and answer patient questions; Perform basic point of care testing, such as blood glucose levels on patients; and Prepare blood, urine, and other body fluid specimens for testing according to established standards.	1 exam required; 100 questions; 2 hours	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.	None	Training/work experience must include a minimum of 30 successful venipunctures and 10 successful capillary sticks. These venipuncture and capillary sticks must be performed on live individuals. Individuals must provide written proof of training or experience and/or documentation of education completion upon request.	<a href="http://www.nhanow.com">www.nhanow.com</a>
NATHA010	Certified Pharmacy Technician (CPhT)	National Healthcareer Association	CAPE Industry Certification	The Certified Pharmacy Technician (CPhT) certification measures knowledge and skills to perform work delegated by licensed pharmacists in accordance with state rules and regulations. CPhT's duties may include receiving written prescriptions requests from patients, and sent electronically from doctor's offices, prepare medications including retrieving, counting, poring, weighing, and measuring, establish and maintain patient profiles, and prepare insurance claim forms and manage inventory.	1 exam required; 100 questions; 2 hours 10 minutes	Individuals must have a High School Diploma or the equivalent and have successfully completed a training program or one year of work experience within the field. Individuals must provide written proof of training or experience and/or documentation of education completion upon request.	None	None	<a href="http://www.nhanow.com">www.nhanow.com</a>
NATHA011	Certified Electronic Health Record Specialist (CEHRS)	National Healthcareer Association	CAPE Industry Certification	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 of 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 for 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>
NCATT001	Aircraft Electronics Technician (AET)	National Center for Aerospace and Transportation Technologies (NCATT)	CAPE Industry Certification	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>
NCCER005	NCCER Carpentry - Level 1 (Secondary)	National Center for Construction Education & Research (NCCER)	CAPE Industry Certification	The Carpentry - Level 1 credential measures knowledge and skills in building materials, fasteners and adhesives; hand and power tools; reading plans and elevations; floor systems; wall and ceiling framing; roof framing concrete and reinforcing materials; windows and exterior doors; and basic stair layout.	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>
NCCER008	NCCER Construction Technology (Secondary)	National Center for Construction Education & Research (NCCER)	CAPE Industry Certification	The Construction Technology credential measures knowledge and skills in masonry units and installation techniques; floor systems; ceiling joist and roof framing; roofing applications; wall systems; exterior finishing covers; basic stair layout; electrical safety; residential electrical services; HVAC; drain, waste, and vent (DWV) systems; plastic pipe and fittings; copper pipe and fittings; cabinetmaking; cabinet installation; and construction equipment.	17 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>
NCCER010	NCCER Electrical - Level 1 (Secondary)	National Center for Construction Education & Research (NCCER)	CAPE Industry Certification	The Electrical - Level 1 credential measures knowledge and skills in electrical safety; electrical circuits; national electrical code; device boxes; hand bending; raceways & fittings; conductors and cables; basic electrical construction drawings; residential electrical services; and electrical test equipment.	12 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>

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NCCER013	NCCER Electronic Systems Technician - Level 1 (Secondary)	National Center for Construction Education & Research (NCCER)	CAPE Industry Certification	The Electronic Systems Technician - Level 1 credential measures knowledge and skills in wood and masonry construction methods; concrete and steel construction methods; pathways and spaces; craft-related mathematics; hand bending of conduit; the NEC; and low-voltage cabling.	8 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>
NCCER018	NCCER HVAC - Level 1 (Secondary)	National Center for Construction Education & Research (NCCER)	CAPE Industry Certification	The HVAC - Level 1 credential measures knowledge and skills in trade mathematics; basic electricity; heating; cooling; air distribution systems; basic copper and plastic piping practices; soldering and brazing; and basic carbon steel piping practices.	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>
NCCER025	NCCER Masonry - Level 1 (Secondary)	National Center for Construction Education & Research (NCCER)	CAPE Industry Certification	The Masonry - Level 1 credential measures knowledge and skills in masonry safety; masonry tools and equipment; measurements, drawings, and specifications; mortar; and masonry units and installation techniques.	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>
NCCER026	NCCER Plumbing - Level 1 (Secondary)	National Center for Construction Education & Research (NCCER)	CAPE Industry Certification	The Plumbing - Level 1 credential measures knowledge and skills in plumbing safety; plumbing tools; plumbing math; plumbing drawings; plastic pipe and fittings; copper pipe and fittings; cast-iron pipe and fittings; steel pipe and fittings; plumbing fixtures; DWV systems; and water distribution systems.	12 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>
NCCER032	NCCER Carpentry - Level 2 (Secondary)	National Center for Construction Education & Research (NCCER)	CAPE Industry Certification	The Carpentry - Level 2 credential measures knowledge and skills in commercial drawings; roofing applications: residential; thermal and moisture protection; exterior finishing: residential; cold-formed steel framing steel framing; drywall installation; drywall finishing; doors and door hardware; suspended ceilings; window, door, floor, and ceiling trim; cabinet installation; and cabinet fabrication.	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>
NCCER033	NCCER Carpentry - Level 3 (Secondary)	National Center for Construction Education & Research (NCCER)	CAPE Industry Certification	The Carpentry - Level 3 credential measures knowledge and skills in properties of concrete; rigging equipment; rigging practices; trenching and excavating; reinforcing concrete; foundations and slab-on-grade; vertical formwork; horizontal formwork; handling and placing concrete; and tilt-up wall panels.	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>
NCCER034	NCCER Carpentry - Level 4 (Secondary)	National Center for Construction Education & Research (NCCER)	CAPE Industry Certification	The Carpentry - Level 4 credential measures knowledge and skills in differential leveling; angular and distance measurement; advanced roof systems; advanced wall systems; advanced stair systems; construction equipment; and oxyfuel cutting and arc welding.	8 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>
NCCER036	NCCER Concrete Finishing - Level 1 (Secondary)	National Center for Construction Education & Research (NCCER)	CAPE Industry Certification	The Concrete Finishing - level 1 credential measures knowledge and skills in properties of concrete; tools and equipment; preparing for placement; placing concrete; finishing; curing and protecting concrete; and troubleshooting.	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>
NCCER038	NCCER Electrical - Level 2 (Secondary)	National Center for Construction Education & Research (NCCER)	CAPE Industry Certification	The Electrical - Level 2 credential measures knowledge and skills in alternating current; motors; electric lighting; conduit bending; pull and junction boxes; conductor installations; cable tray; conductor terminations and splices; grounding and bonding; circuit breakers and fuses; and control 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>
NCCER039	NCCER Electrical - Level 3 (Secondary)	National Center for Construction Education & Research (NCCER)	CAPE Industry Certification	The Electrical - Level 3 credential measures knowledge and skills in load calculations - branch circuits; conductor selection and calculations; lighting; hazardous locations; overcurrent protection; distribution equipment; transformers; commercial electrical services; motor calculations; voice, data, & video; and motor controls.	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>
NCCER040	NCCER Electrical - Level 4 (Secondary)	National Center for Construction Education & Research (NCCER)	CAPE Industry Certification	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>
NCCER041	NCCER Electronic Systems Technician - Level 2 (Secondary)	National Center for Construction Education & Research (NCCER)	CAPE Industry Certification	The Electronic Systems Technician - Level 2 credential measures knowledge and skills in DC circuits; AC circuits; switching devices and timers; semiconductors and integrated circuits; test equipment; electrical drawings; codes and standards; cable selection; wire and cable terminations; and power quality and grounding.	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>
NCCER044	NCCER Masonry - Level 2 (Secondary)	National Center for Construction Education & Research (NCCER)	CAPE Industry Certification	The Masonry - Level 2 credential measures knowledge and skills in residential plans and drawing interpretation; residential masonry; reinforced masonry; masonry openings and metal work; advanced laying techniques; effect of climate on masonry; and construction inspection and quality control.	7 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>
NCCER045	NCCER Masonry - Level 3 (Secondary)	National Center for Construction Education & Research (NCCER)	CAPE Industry Certification	The Masonry - Level 3 credential measures knowledge and skills in elevated masonry; specialized materials and techniques; repair and restoration; commercial drawings; estimating; site layout - distance, measurement and leveling; stone masonry; and fundamentals of crew leadership.	8 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>
NCCER046	NCCER Painting - Level 1 (Secondary)	National Center for Construction Education & Research (NCCER)	CAPE Industry Certification	The Painting - Level 1 credential measures knowledge and skills in safety; ladders, scaffolds, lifts, and fall protection; identifying surface/substrate materials and conditions; protecting adjacent surfaces; basic surface preparation; sealants and repair/fillers; paints and coatings; and brushing and rolling paints and coatings.	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>

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NCCER047	NCCER Painting - Level 2 (Secondary)	National Center for Construction Education & Research (NCCER)	CAPE Industry Certification	The Painting - Level 2 credential measures knowledge and skills in - painting failures and remedies; job planning and completion; chemical cleaning and stripping; low-pressure water cleaning; abrasive blasting; drywall finishing and patching; stains; - clear finishes; wood finishing; coatings; and spray painting (conventional, airless, and HVLP).	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>
NCCER048	NCCER Painting - Level 3 (Secondary)	National Center for Construction Education & Research (NCCER)	CAPE Industry Certification	The Painting - Level 3 credential measures knowledge and skills in painting failures and remedies; job supervision, planning, and control; coatings; color and tinting; decorative (faux) finishes; wallcovering; graphics; texturing; and spraying with special devices.	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>
NCCER061	NCCER Welding - Level 1 (Secondary)	National Center for Construction Education & Research (NCCER)	CAPE Industry Certification	The Welding - Level 1 credential measures knowledge and skills in welding safety; oxyfuel cutting; plasma arc cutting; air carbon arc cutting and gouging; base metal preparation; weld quality; SMAW - equipment and setup; SMAW electrodes; SMAW - beads and fillet welds; joint fit-up and alignment; SMAW - groove welds with backing; and SMAW - open root groove welds - plate form.	12 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>
NCCER062	NCCER Welding - Level 2 (Secondary)	National Center for Construction Education & Research (NCCER)	CAPE Industry Certification	The Welding - Level 2 credential measures knowledge and skills in welding symbols; reading welding detail drawings; physical characteristics and mechanical properties of metal; preheating and postheating of metals; GMAW and FCAW - equipment and filler metals; GMAW - plate; FCAW - plate; gtaw - equipment and filler metals; and GTAW - plate.	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>
NCCER069	NCCER Plumbing - Level 2 (Secondary)	National Center for Construction Education & Research (NCCER)	CAPE Industry Certification	The Plumbing - Level 2 credential measures knowledge and skills in reading commercial drawings; structural penetrations, insulating, and firestopping; installing and testing DWV piping; installing roof, floor, and area drains; types of valves; installing and testing water supply piping; installing fixtures and valves; installing water heaters; basic electricity; and fuel gas 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>
NCCER070	NCCER Plumbing - Level 3 (Secondary)	National Center for Construction Education & Research (NCCER)	CAPE Industry Certification	The Plumbing - Level 3 credential measures knowledge and skills in sizing and protecting the water supply system; potable water supply treatment; types of venting; sizing DWV and storm systems; sewage pumps and sump pumps; corrosive resistant waste piping; compressed air; and service plumbing .	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>
NCCER071	NCCER Plumbing - Level 4 (Secondary)	National Center for Construction Education & Research (NCCER)	CAPE Industry Certification	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>
NCCER081	NCCER HVAC - Level 2 (Secondary)	National Center for Construction Education & Research (NCCER)	CAPE Industry Certification	The HVAC - Level 2 credential measures knowledge and skills in alternating current; compressors; refrigerants and oils; leak detection, evacuation, recovery and charging; metering devices; heat pumps; basic maintenance; chimneys, vents, flues; sheet metal duct systems; fiberglass and flexible duct systems; commercial airside systems; air quality equipment; and hydronic systems.	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>
NCCER082	NCCER HVAC - Level 3 (Secondary)	National Center for Construction Education & Research (NCCER)	CAPE Industry Certification	The HVAC - Level 3 credential measures knowledge and skills in fasteners, hardware, and wiring terminations; control circuit and motor troubleshooting; troubleshooting cooling; troubleshooting heat pumps; troubleshooting gas heating; troubleshooting oil heating; troubleshooting accessories; zoning, ductless, and variable refrigerant flow systems; commercial hydronic systems; steam systems; retail refrigeration systems; and customer relations.	12 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>
NCCER083	NCCER HVAC - Level 4 (Secondary)	National Center for Construction Education & Research (NCCER)	CAPE Industry Certification	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>
NCCER084	NCCER Industrial Maintenance Mechanic - Level 1 (Secondary)	National Center for Construction Education & Research (NCCER)	CAPE Industry Certification	The Industrial Maintenance Mechanic - Level 1 credential measures knowledge and skills in fasteners and anchors; oxyfuel cutting; gaskets and packing; craft-related mathematics; construction drawings; pumps and drivers; valves; test instruments; material handling and hand rigging; mobile and support equipment; and lubrication.	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>
NCCER085	NCCER Industrial Maintenance Mechanic - Level 2 (Secondary)	National Center for Construction Education & Research (NCCER)	CAPE Industry Certification	The Industrial Maintenance Mechanic - Level 2 credential measures knowledge and skills in basic layout; piping components; copper and plastic piping practice; ferrous metal piping practices; identifying, installing and maintaining valves; hydrostatic & pneumatic testing; bearings; low-pressure steam systems; high pressure steam systems and auxiliaries; distillation towers and vessels; heaters, furnaces, heat exchangers, cooling towers, and fin fans; and tube work.	12 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>



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NCCER086	NCCER Industrial Maintenance Mechanic - Level 3 (Secondary)	National Center for Construction Education & Research (NCCER)	CAPE Industry Certification	The Industrial Maintenance Mechanic - Level 3 credential measures knowledge and skills in advanced trade math; precision measuring tools; installing bearings; installing couplings; setting baseplates and prealignment; conventional alignment; installing belt and chain drives; and installing mechanical seals.	8 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>
NCSBN002	National Licensed Practical Nurse (NCLEX-PN)	National Council of State Boards of Nursing	CAPE Industry Certification	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>
NIASE002	ASE Master Automobile Technician	National Institute for Automotive Service Excellence	CAPE Industry Certification	The ASE Master Automobile Technician certification identifies and recognizes those automobile and light truck technicians who can demonstrate knowledge of the skills necessary to diagnose, service, and repair cars, SUV's and light duty trucks.	8 exams required (Engine Repair, Automatic Transmission/Transaxle, Manual Drive Train and Axles, Suspension and Steering, Brakes, Electrical/Electronic Systems)	None	2 years of work experience is required.	None	<a href="http://www.ase.com">www.ase.com</a>
NIASE003	ASE Master Medium/Heavy Truck Technician	National Institute for Automotive Service Excellence	CAPE Industry Certification	The ASE Master Medium/Heavy Truck Technician certification identifies medium/heavy duty truck technicians who can demonstrate knowledge of the skills necessary to diagnose, service, and repair gasoline engines, diesel engines, drive train, brakes, suspension and steering, electrical/electronic systems, heating, ventilation, and air conditioning (HVAC), and preventive maintenance inspection (PMI).	6 exams required (Diesel Engines, Drive Train, Brakes, Suspension and Steering, Electrical/ Electronic Systems and HVAC)	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	CAPE Industry Certification	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	CAPE Industry Certification	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	CAPE Industry Certification	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	CAPE Industry Certification	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	CAPE Industry Certification	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	CAPE Industry Certification	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	CAPE Industry Certification	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>
NIASE013	ASE Automobile Service Consultant (C1)	National Institute for Automotive Service Excellence	CAPE Industry Certification	The ASE - Automobile Service Consultant (C1) certification identifies and recognizes those individuals in communications, customer and internal relations, vehicle systems knowledge, sales skills, and shop operations.	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>
NIASE014	ASE Automobile/Light Truck Technician: Suspension and Steering (A4)	National Institute for Automotive Service Excellence	CAPE Industry Certification	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>

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NIASE016	ASE Medium/Heavy Truck Technician: Brakes (T4)	National Institute for Automotive Service Excellence	CAPE Industry Certification	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	CAPE Industry Certification	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 Collision Repair and Refinishing Technician: Non-structural Analysis and Damage Repair (B3)	National Institute for Automotive Service Excellence	CAPE Industry Certification	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>
NIASE019	ASE Damage Analysis and Estimating Certification (B6)	National Institute for Automotive Service Excellence	CAPE Industry Certification	The ASE - Damage Analysis and Estimating (B6) certification identifies and recognizes professionals who may not actually repair vehicles, but have the knowledge needed to assess collision damage, estimate repair costs, and work with vehicle owners.	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>
NIASE020	ASE Medium/Heavy Truck Technician: Diesel Engines (T2)	National Institute for Automotive Service Excellence	CAPE Industry Certification	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	CAPE Industry Certification	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	CAPE Industry Certification	The ASE - Electrical/Electronic Systems (T6) certification identifies and recognizes those medium/heavy duty truck technicians who can demonstrate knowledge of the skills necessary to diagnose, service, and repair electrical/electronic systems.	1 exam required; 60 questions; 90 minutes	None	2 years of work experience is required.	None	<a href="http://www.ase.com">www.ase.com</a>
NIASE025	ASE Medium/Heavy Truck Technician: Gasoline Engines (T1)	National Institute for Automotive Service Excellence	CAPE Industry Certification	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	CAPE Industry Certification	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	CAPE Industry Certification	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	CAPE Industry Certification	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 diagnose, service, and repair 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 Collision Repair and Refinishing Technician: Structural Analysis and Damage Repair (B4)	National Institute for Automotive Service Excellence	CAPE Industry Certification	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	CAPE Industry Certification	The ASE - Suspension and Steering (T5) certification provides an assessment of 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>
NIASE076	ASE - Auto Maintenance and Light Repair (G1)	National Institute for Automotive Service Excellence	CAPE Industry Certification	The ASE - Auto Maintenance & Light Repair (G1) certification provides an assessment of an individual's technical knowledge of bumper-to-bumper maintenance and light repairs in the critical areas of engine systems, automatic transmission/transaxle, manual drive train and axles, suspension & steering, brakes, electrical, and heating & air conditioning.	1 exam required; 55 questions; 90 minutes	None	1 years of work experience is required.	None	<a href="http://www.ase.com">www.ase.com</a>
NIFMS001	NIMS Machining Level I - CNC Milling: Programming Setup & Operations	National Institute for Metalworking Skills (NIMS)	CAPE Industry Certification	The CNC Milling: Programming Setup & Operations certification measures knowledge and skills in CNC milling; quality control and inspection; process improvement and adjustment; general maintenance; and industrial safety and environmental protection.	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>
NIFMS002	NIMS Machining Level I - CNC Turning: Programming Setup & Operations	National Institute for Metalworking Skills (NIMS)	CAPE Industry Certification	The CNC Turning: Programming Setup & Operations certification measures knowledge and skills in CNC turning; quality control and inspection; process improvement and adjustment; general maintenance; and industrial safety and environmental protection.	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>

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NIFMS007	NIMS Machining Level II - Manual Milling Skills II	National Institute for Metalworking Skills (NIMS)	CAPE Industry Certification	The Manual Milling Skills II certification measures knowledge and skills in milling operations including squaring up a blank, 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>
NIFMS008	NIMS Machining Level I - Turning Operations: Turning Between Centers	National Institute for Metalworking Skills (NIMS)	CAPE Industry Certification	The Turning Operations: Turning Between Centers certification measures knowledge and skills in turning between centers; quality control and inspection; process improvement and adjustment; general maintenance; and industrial safety and environmental protection.	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>
NIFMS010	NIMS Machining Level I - Turning Operations: Turning Chucking Skills	National Institute for Metalworking Skills (NIMS)	CAPE Industry Certification	The Turning Operations: Turning Chucking Skills certification measures knowledge and skills in turning chucking skills; quality control and inspection; process improvement and adjustment; general maintenance; and industrial safety and environmental protection.	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)	CAPE Industry Certification	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>
NIFMS013	NIMS Machining Level I - Drill Press Skills I	National Institute for Metalworking Skills (NIMS)	CAPE Industry Certification	The Drill Press Skills I certification measures knowledge and skills in drill press skills; quality control and inspection; process improvement and adjustment; general maintenance; and industrial safety and environmental protection.	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>
NIFMS014	NIMS Machining Level I - CNC Milling: Operations	National Institute for Metalworking Skills (NIMS)	CAPE Industry Certification	The CNC Milling: Operations certification measures knowledge and skills in CNC milling; quality control and inspection; process improvement and adjustment; general maintenance; and industrial safety and environmental protection.	1 exam required, 48 questions	Performance project must be completed prior to taking exam.	None	None	<a href="http://www.nims-skills.org">www.nims-skills.org</a>
NIFMS015	NIMS Machining Level I - CNC Turning: Operations	National Institute for Metalworking Skills (NIMS)	CAPE Industry Certification	The CNC Turning: Operations certification measures knowledge and skills in CNC turning; quality control and inspection; process improvement and adjustment; general maintenance; and industrial safety and environmental protection.	1 exam required, 49 questions	Performance project must be completed prior to taking exam.	None	None	<a href="http://www.nims-skills.org">www.nims-skills.org</a>
NIFMS016	NIMS Machining Level I - Grinding Skills I	National Institute for Metalworking Skills (NIMS)	CAPE Industry Certification	The Grinding Skills I certification measures knowledge and skills in grinding skills; quality control and inspection; process improvement and adjustment; general maintenance; and industrial safety and environmental protection.	1 exam required, 47 questions	Performance project must be completed prior to taking exam.	None	None	<a href="http://www.nims-skills.org">www.nims-skills.org</a>
NIFMS017	NIMS Machining Level I - Manual Milling Skills I	National Institute for Metalworking Skills (NIMS)	CAPE Industry Certification	The Manual Milling Skills I certification measures knowledge and skills in manual milling; quality control and inspection; process improvement and adjustment; general maintenance; and industrial safety and environmental protection.	1 exam required, 56 questions	Performance project must be completed prior to taking 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)	CAPE Industry Certification	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)	CAPE Industry Certification	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)	CAPE Industry Certification	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>
NINSC001	Certified LabVIEW Associate Developer (CLAD)	National Instruments Corporation	CAPE Industry Certification	The Certified LabVIEW Associate Developer (CLAD) certification is designed for individuals who wish to demonstrate: a foundational proficiency in the use of NI products and technologies for test and measurement applications; and technical growth in the use of NI products and technologies for their job functions or projects.	1 exam required; multiple choice; 1 hour	None	None	Recommended Experience Level: Six or more months of LabVIEW development experience or LabVIEW Core 1 and 2 training with three or more months of LabVIEW development experience.	<a href="https://sine.ni.com/nips/cds/view/plang/en/nid/14438">https://sine.ni.com/nips/cds/view/plang/en/nid/14438</a>
NRAEF001	Foodservice Management Professional (FMP)	National Restaurant Association Educational Foundation	CAPE Industry Certification	The Foodservice Management Professional (FMP) certification measures knowledge and skills in coordination of kitchen and dining room staff, business functions related to employees, oversight of food preparation, and health and food safety standards.	1 exam required; 175 questions passing score of 78% or greater is required for Part 1 and 76% for Part 2.	None	Candidates must have three years supervisory experience in a restaurant or foodservice operation. If candidates hold an associate degree or higher in business or hospitality, only two years supervisory experience is required.	Candidates must have earned a food protection manager certification within a five year period prior to applying.	<a href="http://www.nraef.org">www.nraef.org</a>
NRAEF002	National ProStart Certificate of Achievement	National Restaurant Association Educational Foundation	CAPE Industry Certification	The ProStart National Certificate of Achievement (COA) measures knowledge and skills for numerous restaurant, foodservice and hospitality professions through in-depth course of study as well as on-the-job experience.	2 exams required	Individuals must complete year one and two of the industry-based ProStart sponsored culinary curriculum	400 hours of work experience are required.	None	<a href="http://www.nraef.org">www.nraef.org</a>
NRAEF003	Certified Food Protection Manager (ServSafe®)	National Restaurant Association Educational Foundation	CAPE Industry Certification	The Certified Food Protection Manager (ServSafe®) certification measures knowledge and skills in FDA Food Code, food safety research and food sanitation training.	1 exam required	None	None	None	<a href="http://www.nraef.org">www.nraef.org</a>

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NREMT001	Emergency Medical Technician (EMT)	National Registry of Emergency Medical Technicians	CAPE Industry Certification	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>
NREMT003	Emergency Medical Responder (EMR)	National Registry of Emergency Medical Technicians	CAPE Industry Certification	The Emergency Medical Responder (EMR) certification verifies that that individual is specially trained to provide out-of-hospital care in medical emergencies.	2 exams required (cognitive and psychomotor); <b>Cognitive exam:</b> online; 80-110 questions; 1 hour and 45 minutes; <b>Psychomotor exam:</b> candidate must demonstrate competence (performance based).	None	None	None	<a href="http://www.nremt.org">www.nremt.org</a>
NRFSP001	Certified Food Safety Manager	National Registry of Food Safety Professionals	CAPE Industry Certification	The Certified Food Safety Manager certification measures knowledge and skills in food safety standards to demonstrate knowledge and skills meet measurable and specified food safety standards adopted by the Conference for Food Protection to protect the public from foodborne illnesses.	1 exam required	None	None	None	<a href="http://www.nrfsp.com/">www.nrfsp.com/</a>
ORACL001	Oracle Certified Associate (OCA): Database	Oracle Corporation	CAPE Industry Certification	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>
ORACL004	Oracle Certified Associate (OCA): Java Programmer	Oracle Corporation	CAPE Industry Certification	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	CAPE Industry Certification	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>
PROSO003	Certified Internet Web (CIW) E-Commerce Specialist	Certification Partners	CAPE Industry Certification	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>
PROSO016	Certified Internet Web (CIW) Internet Business Associate	Certification Partners	CAPE Industry Certification	The Certified Internet Web (CIW) Internet Business Associate certification measures knowledge and skills on how to learn about Internet connection methods, Internet protocols, the Domain Name System (DNS) and cloud computing. Individuals will study the basic functions of web browsers, the components of web addresses, the use and control of cookies, and browser use in the business world. Individuals will learn how browser plug-ins and add-ons can improve web-browsing experience, and how to use browsers to download and manage files.	1 exam required (1D0-61B)	None	None	None	<a href="http://www.ciwcertified.com">www.ciwcertified.com</a>
PROSO017	Certified Internet Web (CIW) JavaScript Specialist	Certification Partners	CAPE Industry Certification	The Certified Internet Web (CIW) JavaScript Specialist certification measures knowledge and skills on how to use the features of the JavaScript language to design client-side, platform-independent solutions. Individuals learn how to write JavaScript programs, script for the JavaScript object model, control program flow, validate forms, animate images, target frames, and create cookies. Individuals will also understand and use the most popular applications of JavaScript.	1 exam required	None	None	None	<a href="http://www.ciwcertified.com">www.ciwcertified.com</a>
PROSO018	Certified Internet Web (CIW) Network Technology Associate	Certification Partners	CAPE Industry Certification	The Certified Internet Web (CIW) Network Technology Associate certification measures knowledge and skills in the fundamentals of networking, Internet protocols and network security. This certification proves one's mastery of the basics of networking.	1 exam required (1D0-61C)	None	None	None	<a href="http://www.ciwcertified.com">www.ciwcertified.com</a>
PROSO020	Certified Internet Web (CIW) Site Development Associate	Certification Partners	CAPE Industry Certification	The Certified Internet Web (CIW) Site Development Associate certification measures knowledge and skills in the essentials of web page development. Individuals will learn to develop Web sites using Hypertext Markup Language (HTML) and Extensible HTML (XHTML). The coursework will instruct them to write code manually, as well as use graphical user interface (GUI) authoring tools. Individuals will also learn how to insert images, create hyperlinks, and add tables, forms and frames to web pages.	1 exam required (1D0-61B)	None	None	None	<a href="http://www.ciwcertified.com">www.ciwcertified.com</a>

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PROSO021	Certified Internet Web (CIW) Web Design Professional	Certification Partners	CAPE Industry Certification	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	CAPE Industry Certification	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	CAPE Industry Certification	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>
PROSO024	Certified Internet Web (CIW) Web Foundations Associate	Certification Partners	CAPE Industry Certification	The Certified Internet Web (CIW) Web Foundations Associate certification measures knowledge and skills in Internet business, data networking and web site design. This certification measures knowledge and skills for specialties in web design, e-commerce, JavaScript, databases and other fields.	3 exams required (Internet Business Foundations, Site Development Foundations, Network Technology Foundations)	None	None	None	<a href="http://www.ciwcertified.com">www.ciwcertified.com</a>
PROSO025	Certified Internet Web (CIW) Web Security Associate	Certification Partners	CAPE Industry Certification	The Certified Internet Web (CIW) Web Security Associate certification measures knowledge and skills in how 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.	3 exams required (CIW Foundations, CIW Server Administrator, and CIW Internetworking Professional)	None	None	None	<a href="http://www.ciwcertified.com">www.ciwcertified.com</a>
PROSO027	Certified Internet Web (CIW) Advanced HTML5 & CSS3 Specialist	Certification Partners	CAPE Industry Certification	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, as well as to traditional PCs.	2 exams required (CIW Advanced HTML5 and CSS3 Specialist)	None	None	None	<a href="http://www.ciwcertified.com">www.ciwcertified.com</a>
PRVA001	Graduate - Certified Appliance Professional (GCAP)	Professional Service Association	CAPE Industry Certification	Graduate - Certified Appliance Professional (GCAP) certification is designed for graduates who have completed their training. This serves as proof that the graduate has attained the knowledge necessary to perform in accordance to national skill standards. This certification is good for a period of two years. After successfully completing two years of employment as a appliance service technician, the graduate can request an up grade to Master Technician with the approval of his employer. The upgrade would be granted for a period of two addition years before renewal would be required.	1 exam required; 300 questions	None	None	None	<a href="http://www.psaworld.com">www.psaworld.com</a>
PTCBD001	Pharmacy Technician	Pharmacy Technician Certification Board	CAPE Industry Certification	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>
RECFN001	RECF Pre-Engineering Certification	Robotics Education and Competition Foundation	CAPE Industry Certification	The RECF Pre-Engineering Certification measures knowledge and skills in fundamentals of engineering and two of the following eight areas: aerospace pre-engineering, chemical pre-engineering, civil pre-engineering, computer science/programming, electrical pre-engineering, engineering technology, manufacturing technology, and mechanical pre-engineering.	A series of module-based exams; passing score of 80% or greater across all the modules and any modules with a score less than 70% must be retaken.	Individuals are expected to have at least 150 hours of pre-engineering classroom learning experience before taking the exam for this certification. Individuals must take the Fundamentals of Engineering plus a minimum of any two out of the eight engineering modules in order to receive the RECF Pre-Engineering Certification	None	None	<a href="http://www.roboticseducation.org">www.roboticseducation.org</a>
RECFN002	RECF Robotics Certification	Robotics Education and Competition Foundation	CAPE Industry Certification	The RECF Robotics Certification measures knowledge and skills in fundamentals of engineering, computer science/programming, electrical pre-engineering, and mechanical pre-engineering.	A series of module-based exams; passing score of 80% or greater across all the modules and any modules with a score less than 70% must be retaken.	Individuals are expected to have at least 150 hours of robotics classroom learning experience before taking the exam for this certification. Individuals must take the Fundamentals of Engineering plus three engineering modules in order to receive the RECF Robotics Certification.	None	None	<a href="http://www.roboticseducation.org">www.roboticseducation.org</a>
SOCTE004	Broadband Premises Installer (BPI)	Society of Cable Telecommunications Engineers	CAPE Industry Certification	The Broadband Premises Installer certification measures knowledge and skills to install and troubleshoot telecommunications services (video, voice, and data) at the customer's premises. The successful certification candidate has the knowledge to carry out a basic "triple-play" installation but is not yet proficient.	1 exam required; 50 multiple choice questions; computer based; passing score of 76% or greater required	None	None	None	<a href="http://www.scte.org">www.scte.org</a>



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SOLID003	Certified Solidworks Associate-Academic (CSWA-Academic)	Dassault Systems Solidworks Corporation	CAPE Industry Certification	The Certified Solidworks Associate-Academic (CSWA-Academic) certification measures a person's knowledge and competency with Solidworks mechanical design software.	1 exam required; 3 hours; passing score of 70% or greater required	None	None	None	<a href="http://www.solidworks.com/certification">www.solidworks.com/certification</a>
SPACE001	Aerospace Technician	SpaceTec	CAPE Industry Certification	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>
TAFLO001	Accredited Legal Professional (ALP)	NALS...the Association for Legal Professionals	CAPE Industry Certification	The Accredited Legal Professional (ALP) certification demonstrates an individual's preparedness for the field of law. This certification demonstrates ability to perform business communication tasks; gauges ability to maintain office records and calendars, and prioritize multiple tasks when given real-life scenarios; measures understanding of office equipment and related procedures; denotes aptitude for understanding legal terminology, legal complexities, and supporting documents; appraises knowledge of law office protocol as prescribed by ethical codes.	1 exam required; 4 hours	None	None	None	<a href="http://www.nals.org">www.nals.org</a>
TAFLO002	Professional Legal Secretary (PLS)	NALS...the Association for Legal Professionals	CAPE Industry Certification	The Professional Legal Secretary (PLS) certification provides individuals with the ability to demonstrate their preparedness for the field of law. The purpose of this certification is to certify a lawyer's assistant as a person who possesses: a mastery of office skills; the ability to interact on a professional level with attorneys, clients, and other support staff; the discipline to assume responsibility and exercise initiative and judgment, and; a working knowledge of procedural law, the law library, and how to prepare legal documents.	1 exam required (3 parts: Written Communications; Office Procedures and Legal Knowledge; and Ethics, Human Relations, and Judgement)	To sit for the examination, an individual must have completed one of the following: an accredited business/legal course, the NALS Legal Training course, or one year of general office experience	None	None	<a href="http://www.nals.org">www.nals.org</a>
TAFOM001	Certified in Production and Inventory Management (CPIM)	American Production and Inventory Control Society (APICS)	CAPE Industry Certification	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>
TBOOM001	Toon Boom Certified Associate (Harmony)	Toon Boom Animation	CAPE Industry Certification	The Toon Boom Certified Associate (Harmony) certification is a certification that validates entry-level skills for the production of high-quality animation. Harmony is the industry-standard tool for drawing, animating, working in a 3D space, creating camera moves, and doing special effects. This software has an advanced system for character rigging, with tools to create characters with body parts on separate layers.	1 exam required; 25 multiple choice questions; passing score of 80% or higher required	None	None	None	<a href="http://www.toonboom.com/education/certification">www.toonboom.com/education/certification</a>
TBOOM003	Toon Boom Certified Associate (Storyboard Pro)	Toon Boom Animation	CAPE Industry Certification	The Toon Boom Certified Associate (Storyboard Pro) certification is a certification that validates entry-level skills needed to plan, lay out, and time productions. Storyboard Pro can be used to plan live action video shoots, animated productions, films, games, presentations, events, and more. It enables users to draw, plan sequences of panels, import media from a wide range of sources, and time projects out. Projects can then be exported in a wide array of industry standard formats.	1 exam required; 25 multiple choice questions; passing score of 80% or higher required	None	None	None	<a href="http://www.toonboom.com/education/certification">www.toonboom.com/education/certification</a>
USINS001	Small UAS Safety Certification	Unmanned Safety Institute	CAPE Industry Certification	The Small UAS Safety Certification measures knowledge and skills in understanding UAS systems, responsible operators, operations planning, human factors and CRM, identifying hazards, aeronautical decision making, and dealing with emergencies.	1 exam required; 80 percent or higher is required to pass.	Small UAS Ground School course must be completed prior to taking exam.	None	None	<a href="http://unmannedsafetyinstitute.org/usi/small_uas_safety_certificate.html">unmannedsafetyinstitute.org/usi/small_uas_safety_certificate.html</a>
USINS002	Visual Line of Sight System Operator (VSO)	Unmanned Safety Institute	CAPE Industry Certification	The Visual Line of Sight System Operator (VSO) certification measures knowledge, skills and aeronautical experience necessary to meet the requirements for the FAA Unmanned Aircraft System Operator Certificate. Preparation for the certification includes an online training phase and an in-person flight training phase.	1 exam required, 75 questions; 80 percent or higher is required to pass.	Online training phase and an in-person flight training phase must be completed prior to taking exam.	None	None	<a href="http://unmannedsafetyinstitute.org/usi/small_uas_safety_certificate.html">unmannedsafetyinstitute.org/usi/small_uas_safety_certificate.html</a>
FEDAA004	FAA Aviation Mechanic Technician - Airframe	Federal Aviation Administration	CAPE Acceleration Industry Certification	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>



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FEDAA010	FAA Aviation Maintenance Technician - Powerplant	Federal Aviation Administration	CAPE Acceleration Industry Certification	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>
MSSCN001	MSSC Certified Production Technician (CPT)	Manufacturing Skills Standards Council (MSSC)	CAPE Acceleration Industry Certification	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>
ADOBE801	Adobe Certified Associate (ACA) - Photoshop	Adobe Systems	CAPE Digital Tool Certificate	The Adobe Certified Associate (ACA) - Photoshop certification is a certification that validates entry-level skills needed to plan, design, build, and maintain effective communications by using different forms of digital media. Photoshop enables users to animate video frames, paint and clone over multiple video frames, and import and export video files in a wide range of formats, engaging user experiences that create more accurate composites.	1 exam required	None	None	None	<a href="http://www.adobe.com">www.adobe.com</a>
APPLE802	Apple Certified Pro - Pages	Apple, Inc.	CAPE Digital Tool Certificate	The Apple Certified Pro - Pages certification measures knowledge and skills in how to create presentations that incorporate photographs, diagrams, animations, and other rich media.	1 exam required (Exam #9L0-903), computer-based test; 58 multiple choice and interactive media questions; 90 minutes; must score 77% or higher	None	None	None	<a href="http://training.apple.com/certification">training.apple.com/certification</a>
APPLE803	Apple Certified Pro - Numbers	Apple, Inc.	CAPE Digital Tool Certificate	The Apple Certified Pro - Numbers certification measures knowledge and skills in how to store, analyze, and present data using formulas, charts and graphs, and rich media.	1 exam required (Exam #9L0-905), computer-based test; 47 multiple choice and interactive media questions; 90 minutes; must score 83% or higher	None	None	None	<a href="http://training.apple.com/certification">training.apple.com/certification</a>
CERTI802	IC3 Spark	Certiport, A Pearson VUE Business	CAPE Digital Tool Certificate	The IC3 Spark certification measures knowledge and skills about the use of computers, devices, and the Internet for those individuals looking to enhance or validate their digital skills.	3 exams required; 30 minutes each	None	None	None	<a href="http://www.certiport.com/ic3">www.certiport.com/ic3</a>
CERTI803	IC3 - Computing Fundamentals	Certiport, A Pearson VUE Business	CAPE Digital Tool Certificate	The IC3 - Computing Fundamentals certification measures knowledge and skills for a foundational understanding of computer hardware, software, operating systems, peripherals, and troubleshooting. It also includes Mobile Device and Cloud Computing concepts.	1 exam required; 45 questions (performance based and linear)	None	None	None	<a href="http://www.certiport.com/ic3">www.certiport.com/ic3</a>
CERTI804	IC3 - Key Applications	Certiport, A Pearson VUE Business	CAPE Digital Tool Certificate	The IC3 - Key Applications certification measures knowledge and skills for the most common features of spreadsheet, word processing, and presentation applications. It includes app culture elements that will help the individual understand how to obtain and maximize the use of some of today's most popular apps.	1 exam required; 45 questions (performance based)	None	None	None	<a href="http://www.certiport.com/ic3">www.certiport.com/ic3</a>
CERTI805	IC3 - Living Online	Certiport, A Pearson VUE Business	CAPE Digital Tool Certificate	The IC3 - Living Online certification measures knowledge and skills to help users understand how to effectively use the Internet or work in a networked environment and maximize communication, education, collaboration, and social interactions in a safe and ethical way. It includes social media, calendaring, streaming, and online conferencing elements.	1 exam required; 45 questions (performance based and linear)	None	None	None	<a href="http://www.certiport.com/ic3">www.certiport.com/ic3</a>
DIGIT801	AGSPACE Certification for GIS Beginners	DigitalQuest, Inc.	CAPE Digital Tool Certificate	The AGSPACE Certification for GIS Beginners is a certification designed for Florida's Agriculture, Food, & Natural Resources Individuals at the middle school level that gives individuals basic knowledge in geospatial skills in the context and application of agriculture. Through geospatial technology certification individuals are measured against multidisciplinary skills that utilize digital mapping and visual presentation skills, word processing, database/spreadsheets and database queries. Further, content specific questions measure and quantify a student's ability to use these technologies in agricultural and environmental settings.	1 exam required; 100 questions	None	None	None	<a href="http://www.digitalquest.com">www.digitalquest.com</a>
MICRO801	Microsoft Office Specialist: Excel	Microsoft Corporation	CAPE Digital Tool Certificate	The Microsoft Office Specialist: Excel certification measures knowledge and skills to create and manage worksheets and workbooks, create cells and ranges, create tables, apply formulas and functions, and create charts and objects.	1 exam required (Office 2010 (77-882) and Office 2013 (77-420)); 90 minutes	None	None	None	<a href="http://www.microsoft.com/learning">www.microsoft.com/learning</a>

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MICRO802	Microsoft Office Specialist: Word	Microsoft Corporation	CAPE Digital Tool Certificate	The Microsoft Office Specialist: Word certification measures knowledge and skills to create and manage documents, format text, paragraphs, and sections, create tables and lists, apply references, and insert and format objects.	1 exam required (Office 2010 (77-881) and Office 2013 (77-418); 90 minutes)	None	None	None	<a href="http://www.microsoft.com/learning">www.microsoft.com/learning</a>
PROSO801	ICT – Database Essentials	Certification Partners	CAPE Digital Tool Certificate	The ICT – Database Essentials certification measures knowledge and skills in the fundamentals of using relational databases, including row and field structure, data types, tables, queries, data import/export mechanisms, and basic Structured Query Language (SQL) statements for managing and manipulating data and creating reports.	1 exam required	None	None	None	<a href="http://www.ciwcertified.com">www.ciwcertified.com</a>
PROSO802	ICT – Gaming Essentials	Certification Partners	CAPE Digital Tool Certificate	The ICT – Gaming Essentials certification measures knowledge and skills in the fundamentals of interactive computer game creation, including design process, criteria and constraint identification, content research, storyboard creation, program flow modeling, program code creation, and result evaluation and modification practices.	1 exam required	None	None	None	<a href="http://www.ciwcertified.com">www.ciwcertified.com</a>
PROSO803	ICT – Multimedia Essentials	Certification Partners	CAPE Digital Tool Certificate	The ICT – Multimedia Essentials certification measures knowledge and skills in the fundamentals of designing and creating digital slide presentations, including formatting basics, slide transitions, animation, timing, titling, and integration of images, graphics, audio/video and other compatible files.	1 exam required	None	None	None	<a href="http://www.ciwcertified.com">www.ciwcertified.com</a>
PROSO804	ICT – Programming & Logic Essentials	Certification Partners	CAPE Digital Tool Certificate	The ICT – Programming & Logic Essentials certification measures knowledge and skills in the basics of programming languages, including Boolean concepts, truth tables, logic, program structure, pseudo-code, iterative statements and syntax rules.	1 exam required	None	None	None	<a href="http://www.ciwcertified.com">www.ciwcertified.com</a>
PROSO805	ICT – Web Design Essentials	Certification Partners	CAPE Digital Tool Certificate	The ICT – Web Design Essentials certification measures knowledge and skills in the basics of designing and creating basic Web sites, including Web page elements, page layout, use of color, graphical user interface (GUI) tools, integration of multimedia, HTML coding, navigation and site publishing.	1 exam required	None	None	None	<a href="http://www.ciwcertified.com">www.ciwcertified.com</a>

DISCLAIMERS: 1) Waivers of work experience requirements for industry certifications approved under s.1008.44(3), F.S., are not noted in the work experience requirements. Please refer to the 2016-17 CAPE Industry Certification Funding List (non-detailed) for waiver of work experience requirements.  
 2) Certification requirements may be updated by the certification agency at any time. Please refer to the certification website for the most current requirements.