DOE Code	Certification/Credential Title	Issuing Organization/Provider	New to List	Type (CAPE Industry Certification, CAPE Acceleration Industry Certification, CAPE Digital Tool Certificate)	Certification/Credential Description	Certification/Credential Requirements	Website
ABAYC003	Marine Electrical Certification	American Boat & Yacht Council	New	CAPE Industry Certification	Marine electricians are required to have knowledge related to electrical design, service, and installation. Marine electricians may specifically work on electrical fundamentals, AC and DC systems and generators, maintenance and Installing of battery systems, and Safety Equipment.	To be eligible to earn a Marine Electrical Certification, candidates have 3 hours to complete 200 multiple choice questions. This is designed for candidates with 3-5 years of practical experience in the field of marine design, service, or installation. Content includes electrical fundamentals, AC shore power systems, cable installation and termination, AC generators, maintaining and installing battery systems, AC panel boards, battery charging systems, DC panel boards, inverters, AC components, DC components, safety equipment, and troubleshooting tips and hints. Candidates 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.	www.abycinc.org/
ACSMD002	Certified Personal Trainer	American College of Sports Medicine	New	CAPE Industry Certification	The ACSM Certified Personal Trainer is a fitness professional involved in developing and implementing an individualized approach to exercise leadership in healthy populations and/or those individuals with medical clearance to exercise. Using a variety of teaching techniques, the ACSM Certified Personal Trainer is proficient in leading and demonstrating safe and effective methods of exercise by applying the fundamental principles of exercise science. The ACSM Certified Personal Trainer is proficient in writing appropriate exercise recommendations, leading and demonstrating safe and effective methods of exercise, and motivating individuals to begin and to continue with their healthy behaviors.	Have a high school diploma or equivalent; be 18 years of age; and have a current Adult CPR certification that has a practical skills examination component (such as the American Heart Association or the American Red Cross). ACSM has teamed up with Fitness Resource Associates (FRA) to offer workshops with the option of a 3 day workshop or a 1 day workshop. Students are then required to complete the ACSM Personal Trainer exam.	certification.acsm.org/
ADESK002	Autodesk Certified User - AutoCAD	Autodesk		CAPE Industry Certification	Autodesk Certified User Program is for entry level job skills. This certification measures one's knowledge of this product. AutoCAD software allows an individual to design, visualize, and document their ideas clearly and efficiently. Autodesk has one goal: increasing productivity.	Autodesk Certification exams are performance-based exams. Each product area requires an individual to take an exam with a two hour limit. The exams each have 12 sections and 35 questions.	www.autodesk.com
ADESK008	Autodesk Certified User - Revit Architecture	Autodesk		CAPE Industry Certification	Autodesk Certified User Revit Architecture Certification is aimed at assessing professional users' knowledge of the tools, features, and common tasks of Revit Architecture. Revit software works the way architects and designers think, so users can develop higher-quality, more accurate architectural designs. Capture and analyze concepts, and maintain vision through design, documentation, and construction. The Autodesk Certified credential signifies the experience and expertise of design professionals. Revit Architecture building information modeling software allows architects to focus on designing buildings, work in any view, iterate throughout the different design phases, and quickly and easily make changes to major compositional elements in order to design freely and deliver efficiently.	Autodesk Certification exams are performance-based exams. Each product area requires an individual to take an exam with a two hour limit. The exams each have 12 sections and 35 questions.	www.autodesk.com
ADESK011	Autodesk Certified User - Inventor	Autodesk		CAPE Industry Certification	Autodesk Certified User Program is for Entry Level Job Skills. This certification measures one's knowledge of this product. Autodesk Inventor software provides a comprehensive set of design tools for producing, validating, and documenting complete digital prototypes.	Autodesk Certification exams are performance-based exams. Each product area requires an individual to take an exam with a two hour limit. The exams each have 12 sections and 35 questions.	www.autodesk.com
ADESK021	Autodesk Certified Professional - AutoCAD	Autodesk		CAPE Industry Certification	AutoCAD is the world's leading 2D and 3D CAD application that allows users to design, visualize, and document ideas clearly and efficiently.	To earn the credential of AutoCAD Certified Professional, the student must pass a 90-minute performance based test comprised of 20 questions and also pass the AutoCAD Certified Associate exam in any order. The required passing score is 76%. Even though not required, it is recommended that a student complete an Autodesk Official Training Courseware (AOTC) or equivalent plus 400 hours of hands-on application before sitting for the exam.	www.autodesk.com
ADESK023	Autodesk Certified Professional - AutoCAD Civil 3D	Autodesk		CAPE Industry Certification	The Autodesk civil engineering solution, made up of AutoCAD Civil software and AutoCAD Civil 3D software, provides project teams with a comprehensive surveying, design, analysis, and documentation solution to deliver land development, transportation, and environmental projects fast and with improved accuracy.	To earn the credential of AutoCAD Civil 3D Certified Professional, the student must pass a 90-minute performance based test comprised of 20 questions and also pass the AutoCAD Civil 3D Certified Associate exam in any order. Even though not required, it is recommended that a student complete an Autodesk Official Training Courseware (AOTC) or equivalent plus 400 hours of hands-on application before sitting for the exam.	www.autodesk.com
ADESK024	Autodesk Certified Professional - Inventor	Autodesk		CAPE Industry Certification	Autodesk Inventor software provides a comprehensive set of 3D modeling and mechanical design tools for producing, validating, and documenting complete digital prototypes.	To earn the credential of Inventor Certified Professional, the student must pass a 90-minute performance based test comprised of 20 questions and also pass the Inventor Certified Associate exam in any order. The required passing score is 75%. Even though not required, it is recommended that a student complete an Autodesk Official Training Courseware (AOTC) or equivalent plus 400 hours of hands-on application before sitting for the exam.	www.autodesk.com
ADESK025	Autodesk Certified Professional - Revit Architecture	Autodesk		CAPE Industry Certification	The Autodesk Certified credential signifies the experience and expertise of design professionals. Revit Architecture building information modeling software allows architects to focus on designing buildings, work in any view, iterate throughout the different design phases, and quickly and easily make changes to major compositional elements in order to design freely and deliver efficiently.	To earn the Revit Architecture Certified Professional credential, the student must pass a 90 minute time limit performance based exam consisting of 20 questions and pass the Revit Architecture Certified Associate exam in any order. The required passing score is 80%. Even though not required, it is recommended that a student complete an Autodesk Official Training Courseware (AOTC) or equivalent plus 400 hours of hands-on application before sitting for the exam.	www.autodesk.com
ADESK029	Autodesk Certified Professional - 3ds Max	Autodesk		CAPE Industry Certification	Autodesk Certified Professional 3DS Max certification is a career and technical education certification across the United States that equips students with marketable 2D and 3D design skills by teaching them to use state-of-the-art Autodesk® design software. Autodesk Certified User (ACU) certification confirms students have the skills necessary to continue their design careers—whether they attend college, enter the workforce or work toward additional levels of industry certification after graduation.	To earn the credential of 3ds Max Certified Professional, the student must pass a 120-minute performance based test comprised of 35 questions. Even though not required, it is recommended that a student complete 400 hours of hands-on application before sitting for the exam.	www.autodesk.com
ADOBE002	Adobe Certified Expert (After Effects)	Adobe Systems		CAPE Industry Certification	As a Certified Adobe Expert (Specialist), this certification recognizes an individual's knowledge in the After Effects Adobe product- Using and Configuring Workspaces; Building 2d Compositions; Animating and Key framing layers; Creating and Animating Text; Working with Color Management, etc.	The certification exam is a computer-delivered, proctored test consisting of 70 multiple-choice questions. Each exam takes one to two hours to complete, and results are available at the testing center immediately after completion of the test. The Adobe Certified Expert (Illustrator) examination covers: Working with Illustrator documents; drawing and transforming objects; managing color and transparency; using type; controlling effects, appearances, and graphic styles; building graphic objects; working with images; preparing for graphic for web and screen display; and preparing documents for print. A minimum of 72% is required to obtain the Adobe Certified Expert (Illustrator) certification.	www.adobe.com
ADOBE003	Adobe Certified Expert (Illustrator)	Adobe Systems		CAPE Industry Certification	Document layout, shapes and objects, working with type, managing color, Adobe bridge assets, outputting to print, saving and exporting, and publishing for the web.	Computer delivered, closed book 60-90 minute test; one to two hours to complete.	www.adobe.com
ADOBE004	Adobe Certified Expert (InDesign)	Adobe Systems		CAPE Industry Certification	Document layout, text, drawing, working with color and transparency, importing, exporting and converting files, cross media support, and tables.	Computer delivered, closed book 60-90 minute test; one to two hours to complete.	www.adobe.com

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ADOBE005	Adobe Certified Expert (Photoshop)	Adobe Systems		CAPE Industry Certification	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.	Computer delivered, closed book 60-90 minute test; one to two hours to complete.	www.adobe.com
ADOBE007	Adobe Certified Expert (Premiere Pro)	Adobe Systems		CAPE Industry Certification	As a Certified Adobe Expert (Specialist), this certification recognizes an individual's knowledge in the Adobe Premiere Pro product- Setting up Projects; Capturing Media; Editing; Working with Audio; Creating DVDs, etc.	Computer delivered, closed book 60-90 minute test; one to two hours to complete.	www.adobe.com
ADOBE010	Adobe Certified Associate (ACA) - Dreamweaver	Adobe Systems		CAPE Industry Certification	This certification is a credential that validates entry-level skills needed to plan, design, build, and maintain effective communications by using different forms of digital media. Dreamweaver is the industry leading web development tool, enabling users to efficiently design, develop, and maintain standards-based web sites and applications.	The associate-level certification exam will correspond to a particular Adobe application -Web Communication using Adobe Dreamweaver CS5, CS6 or Creative Cloud. The following are requirements of the exam: Set project requirements; Plan site design and page layout; Understand the Adobe Dreamweaver CS5, CS6 or Creative Cloud interface; Add content; Organize and modify content; and Evaluate and maintain a site.	www.adobe.com
ADOBE011	Adobe Certified Associate (ACA) - Flash	Adobe Systems		CAPE Industry Certification	This certification is a credential that validates entry-level skills needed to plan, design, build, and maintain effective communications by using different forms of digital media. Flash enables users 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.	The associate-level certification exam will correspond to a particular Adobe application - Rich Media Communication using Adobe Flash CS5, CS6 or Creative Cloud. The following are requirements of the exam: Set project requirements; Identify rich-media design elements; Understand Adobe Flash CS5, CS6 or Creative Cloud; Build rich-media elements; and Evaluate rich-media elements.	www.adobe.com
ADOBE013	Adobe Certified Expert (Acrobat)	Adobe Systems		CAPE Industry Certification	As a Certified Adobe Expert (Specialist), this certification recognizes an individual's knowledge in the Adobe Acrobat product- Creating PDF documents, Managing Document Security, Configuring PDF Settings, Creating Forms and Collecting Data, etc.	The expert level certification program will correspond to either the Adobe Acrobat 9 Professional or Adobe Acrobat X Pro. This certification is a computer delivered, closed book 60-90 minute test.	www.adobe.com
ADOBE018	Adobe Certified Associate (ACA) - Premiere Pro	Adobe Systems		CAPE Industry Certification	The Adobe Certified Associate (ACA) certification allows individuals to demonstrate proficiency in Adobe digital communications tools.	The associate-level certification exam will correspond to a particular Adobe application - Video Communication using Adobe Premiere Pro CS5, CS6 or Creative Cloud. This certification is a computer-delivered, proctored exam consisting 40 multiple-choice questions with a testing time of 50 minutes. Scores will be electronically reported after taking the exam. The exam covers: Setting Project Requirements; Identifying Design Elements when Preparing Video; Understanding the Adobe Premiere Pro Interface; Editing a Video Sequence with Adobe Premiere Pro; and Exporting Video with Adobe Premiere Pro.	www.adobe.com
ADOBE020	Adobe Certified Associate (ACA) - Illustrator	Adobe Systems		CAPE Industry Certification	Adobe Certified Associate Illustrator is a powerful and versatile tool for creating illustrations, logos and graphics for print and the Web. Using vector software, individuals can produce detailed and scalable art for almost any application.	The associate-level certification exam will correspond to using Adobe Illustrator. The following are requirements of the exam: Setting project requirements; Identifying Design Elements Used When Preparing Graphics; Understanding the Illustrator Interface; Creating Graphics Using Illustrator; and Archiving, Exporting, and Publishing Graphics Using Illustrator.	www.adobe.com
ADOBE021	Adobe Certified Associate (ACA) - InDesign	Adobe Systems		CAPE Industry Certification	The Adobe Certified Associate (ACA) certification in InDesign, 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. Offering pixel-perfect control over design and typography, designers can create professional page layouts for print or digital media. With so many powerful features, Adobe certified staff tend to be more skilled in their use of InDesign than their non-certified peers.	The associate-level certification exam will correspond to using Adobe InDesign. The following are requirements of the exam: Setting project requirements; Identifying Design Elements Used When Preparing Page Layouts; Understanding the InDesign Interface; Creating Page Layouts Using InDesign; and Publishing, Exporting, and Archiving Page Layouts Using InDesign.	www.adobe.com
ADOBE022	Adobe Certified Associate (ACA) - Photoshop (Creative Cloud)	Adobe Systems	New	CAPE Industry Certification	This certification is a credential 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.	The associate-level certification exam will correspond to a particular Adobe application - Visual Communication using Adobe Photoshop Creative Cloud. The following are requirements of the exam: Setting project requirements; Identifying design elements when preparing images; Understanding Adobe Photoshop Creative Cloud; Manipulating images; and Evaluating digital images.	www.adobe.com
AHLAE010	Certified Front Desk Supervisor	American Hotel and Lodging Association Educational Institute		CAPE Industry Certification	The Lodging Management Program (LMP) provides high school students with the classroom learning and real-life work experiences needed to take advantage of the career opportunities in lodging. Topics covered in the program include lodging management, front office and housekeeping management, leadership skills, marketing and sales, and food and beverage service.	This program requires students to complete 360 hours of instruction (180 hours per year) and pass two exams (one at the end of each year) along with 160 hours of an industry-mentored internship at a lodging property. During the internship the student must have the mentor complete a workplace competency checklist which becomes part of the student portfolio. After earning certificates for successful completion of the LMP Year 1 and Year 2 exams, students earn the Front Desk Supervisor certification.	www.ahlei.org/lmp/
AIOPB001	Certified Bookkeeper	American Institute of Professional Bookkeepers		CAPE Industry Certification	The American Institute of Professional Bookkeepers' (AIPB) mission is to achieve recognition of bookkeepers as accounting professionals and keep them up to date on accounting and tax information.	At least two years experience or the part time freelance equivalent; must pass a four-part national exam, including a Code of Ethics.	www.aipb.org
AMAMA001	Certified Medical Assistant (CMA)	American Association of Medical Assistants		CAPE Industry Certification	Allied health professionals who work primarily in ambulatory settings (clinics and medical offices) under the supervision of physicians. CMAs are capable of doing both clinical and administrative procedures, and are educated and tested in such procedures.	To earn the CMA credential an individual must first enroll in, and graduate from, a CAAHEP or ABHES accredited medical assisting program. An individual will attain academic and clinical training in a variety of areas, and must complete an externship which is part of the program. Upon graduation from the program an individual must take, and pass, the AAMA CMA Certification Examination.	www.aama-ntl.org
AMDDA002	Certified Apprentice Drafter - Architectural	American Design Drafting Association		CAPE Industry Certification	The ADDA Professional Certification (AD) (CD) (CDD) (CDT) (DIT) Examinations are international certification programs that allows apprentice drafters, drafters, designers, design drafters, design technicians, engineering and architectural technicians and digital imaging technicians, as well as other graphic professionals to indicate their knowledge in professional concepts and internationally recognized standards and practices. ADDA developed these examinations to elevate an individual's comprehension of the professional standards related to design drafting and the graphics profession. Certification enables drafters to demonstrate professional capabilities and helps employers in identifying quality employees. The test does not cover software which is specific to computer aided drafting or design(CADD) or graphic production.	The ADDA Drafter Certification Examination is open to all individuals, regardless of experience and formal education. Membership in ADDA is not required to take the test or become certified. Examinees have 120 minutes to complete the exam. The questions cover a wide assortment of situations normally encountered in the drafting profession. There are 400 questions on the exam and a passing score of 75% or greater is required. 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. For a list of specific competencies covered on the Certified Apprentice Drafter (AD) - Architectural Exam please visit the ADDA website.	www.adda.org
AMDDA003	Certified Drafter - Architectural	American Design Drafting Association		CAPE Industry Certification	The ADDA Professional Certification (AD) (CD) (CDD) (CDT) (DIT) Examinations are international certification programs that allows apprentice drafters, drafters, designers, design drafters, design technicians, engineering and architectural technicians and digital imaging technicians, as well as other graphic professionals to indicate their knowledge in professional concepts and internationally recognized standards and practices. ADDA developed these examinations to elevate an individual's comprehension of the professional standards related to design drafting and the graphics profession. Certification enables drafters to demonstrate professional capabilities and helps employers in identifying quality employees. The test does not cover software which is specific to computer aided drafting or design(CADD) or graphic production.	The ADDA Drafter Certification Examination is open to all individuals, regardless of experience and formal education. Membership in ADDA is not required to take the test or become certified. Examinees have 120 minutes to complete the exam. The questions cover a wide assortment of situations normally encountered in the drafting profession. There are 410 questions on the exam and a passing score of 75% or greater is required. 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. For a list of specific competencies covered on the Certified Apprentice Drafter (AD) - Mechanical Exam please visit the ADDA website.	www.adda.org

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AMDDA004	Certified Drafter - Mechanical	American Design Drafting Association		CAPE Industry Certification	The ADDA Professional Certification (AD) (CD) (CDD) (CDT) (DIT) Examinations are international certification programs that allows apprentice drafters, drafters, designers, design drafters, design technicians, engineering and architectural technicians and digital imaging technicians, as well as other graphic professionals to indicate their knowledge in professional concepts and internationally recognized standards and practices. ADDA developed these examinations to elevate an individual's comprehension of the professional standards related to design drafting and the graphics profession. Certification enables drafters to demonstrate professional capabilities and helps employers in identifying quality employees. The test does not cover software which is specific to computer aided drafting or design(CADD) or graphic production.	The ADDA Drafter Certification Examination is open to all individuals, regardless of experience and formal education. Membership in ADDA is not required to take the test or become certified. Examinees have 180 minutes to complete the exam. The questions cover a wide assortment of situations normally encountered in the drafting profession. There are 400 questions on the exam and a passing score of 75% or greater is required. 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. For a list of specific competencies covered on the Certified Drafter (CD) - Architectural Exam please visit the ADDA website.	www.adda.org
AMDDA005	Certified Apprentice Drafter - Mechanical	American Design Drafting Association		CAPE Industry Certification	The ADDA Professional Certification (AD) (CD) (CDD) (CDT) (DIT) Examinations are international certification programs that allows apprentice drafters, drafters, designers, design drafters, design technicians, engineering and architectural technicians and digital imaging technicians, as well as other graphic professionals to indicate their knowledge in professional concepts and internationally recognized standards and practices. ADDA developed these examinations to elevate an individual's comprehension of the professional standards related to design drafting and the graphics profession. Certification enables drafters to demonstrate professional capabilities and helps employers in identifying quality employees. The test does not cover software which is specific to computer aided drafting or design(CADD) or graphic production.	The ADDA Drafter Certification Examination is open to all individuals, regardless of experience and formal education. Membership in ADDA is not required to take the test or become certified. Examinees have 180 minutes to complete the exam. The questions cover a wide assortment of situations normally encountered in the drafting profession. There are 395 questions on the exam and a passing score of 75% or greater is required. 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. For a list of specific competencies covered on the Certified Drafter (CD) - Mechanical Exam please visit the ADDA website.	www.adda.org
AMEDT005	Registered Phlebotomy Technician (RPT)	American Medical Technologists (AMT)		CAPE Industry Certification	A Phlebotomy Technician (Phlebotomist) is an integral member of the medical laboratory team whose primary function is the collection of blood samples from patients by venipuncture or microtechniques. The Phlebotomy Technician facilitates the collection and transportation of laboratory specimens, and is often the patient's only contact with the medical laboratory. The need to assure quality and patient safety mandates strict professional behavior and standards of practice for Phlebotomists.	Successfully completed an acceptable 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 acceptable work experience as a phlebotomy technician within the past three (3) years; this to include venipunctures, skin punctures, specimen processing, communication skills, and clerical duties. The AMT Board of Directors has further determined that applicants who have passed a phlebotomist examination which has been for the purpose of state licensure shall be eligible for RPT (AMT) certification.	www.americanmedtech.org
AMSPT002	Certified Phlebotomy Technician	American Society of Phlebotomy Technicians		CAPE Industry Certification	A Phlebotomy Technician (Phlebotomist) is an integral member of the medical laboratory team whose primary function is the collection of blood samples from patients by venipuncture or microtechniques. The Phlebotomy Technician facilitates the collection and transportation of laboratory specimens, and is often the patient's only contact with the medical laboratory. The need to assure quality and patient safety mandates strict professional behavior and standards of practice for Phlebotomists.	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; must be submitted with the membership application on facility letterhead; or signature of supervisor/instructor on application attesting to the above. 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. A final exam is required.	www.aspt.org
AMSTL003	Global Logistics Associate (GLA)	American Society of Transportation & Logistics		CAPE Industry Certification	The Global Logistics Associate (GLA) is a nationally recognized certification program that acknowledges completion of rigorous coursework in logistics and supply chain for entry level positions. This certification program focuses on a general knowledge of logistics/supply chain and the associated functions necessary for delivery of goods and requires the successful completion of a comprehensive exam.	To be eligible to register for the GLA exam, an individual must meet the following criteria: -Completion of an ASTL approved high school career academy -or successful completion of the ASTL exam. The exam is administered in January and April.	www.astl.org
APPLE002	Apple Certified Technical Coordinator	Apple , Inc.	New	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.	Required Exams: Mac OS X Support Essentials v10.5 Exam and Mac OS X Server Essentials v10.5 Exam.	training.apple.com/certification/proapps
APPLE011	Apple Certified Pro (ACP) - Motion	Apple , Inc.		CAPE Industry Certification	This three-day hands-on course covers working with Motion's Real-Time Design engine and interface, behavior-based animation, parameter behaviors, blend modes, advanced particle system design, advanced title animation, working with templates, chroma key techniques, masking methods, DVD motion menu design, tablet-driven gesture UI techniques, working with audio, keyframing, and integration.	Students should have the following prerequisite knowledge prior to attending this three day course: Basic knowledge of the Macintosh OS. A final Apple exam is required.	training.apple.com/certification/proapps
APPLE018	Apple Certified Pro (ACP) - Logic Pro X	Apple , Inc.		CAPE Industry Certification	Apple Certified Pro-logic Pro X certification introduces students to Logic Pro's primary features and basic user interface. This certification adds knowledge for students learn how to generate a customized audio and MIDI configuration that will seamlessly integrate with their own personal production studio. It also allows creation of songs using Logic Pro's comprehensive array of software instruments, Apple Loops, and DSP effects.	Students should have the following prerequisite knowledge prior to attending the course: Knowledge of OS X and basic computer navigation and basic knowledge of audio terminology is highly recommended. A final Apple exam is required.	training.apple.com/certification/proapps
APPLE019	Apple Certified Support Professional	Apple , Inc.	New	CAPE Industry Certification	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. three-day, hands-on course that provides an in-depth exploration of troubleshooting on OS X Mountain Lion. This course is designed to give students a tour of the breadth of functionality of OS X Mountain Lion and the best methods for effectively supporting users of OS X Mountain Lion systems. The course is a combination of lecture and hands-on case study exercises that provide practical real-world experience.	Students should have the following prerequisite knowledge prior to attending the course: Knowledge of OS X and basic computer navigation. A minimum score of 73% is required to pass the certification exam.	training.apple.com/certification/proapps
APPLE020	Apple Certified Pro (ACP) - Final Cut Pro X	Apple , Inc.	New	CAPE Industry Certification	This certification introduces students to the primary feature set and basic interface of Final Cut Pro. Certification knowledge areas include 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.	Students should have the following prerequisite knowledge prior to attending the course: Basic knowledge of the Macintosh OS; and basic knowledge of editing terminology is recommended. A final Apple exam is required.	training.apple.com/certification/proapps
AVIDT001	Avid Media Composer Certified User	Avid		CAPE Industry Certification	The Avid Media Composer Certified User Exam is the first of two certification exams that allow an individual to become Avid Certified. The two combined certifications offer 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.	The required exam covers content from the Professional Editing with Avid Media Composer 5-day course (or equivalent real-world product experience). The exam is 60 questions and the time allotted to complete the exam is 75 minutes.	www.avid.com/US/
AWELD001	Certified Welder	American Welding Society		CAPE Industry Certification	The Certified Welder program is a performance-based program with no prerequisite courses or certifications required. The Certified Welder (CW) program test to procedures used in the structural steel, petroleum pipelines, sheet metal and chemical refinery welding industries.	Pass the required performance based certification examination. An individual must deposit a sound weld that will be inspected by an AWS Certified Welding Inspector (CWI).	www.aws.org
CARCH001	Chief Architect User Certification	Chief Architect, Inc.		CAPE Industry Certification	The Certification program is designed to provide an achievement process for demonstrating competency in using Chief Architect software. Certification is available to Professional Designers, Academic Instructors and Students.	The User Certification Exam is a 4-hour proctored exam consisting of hands-on use of the program with fill-in-the-blank questions developed from over 20 competency areas. Available to students enrolled in drafting, design and architectural programs with at least six (6) relevant credit hours. Users issued certification upon successfully passing the exam.	www.chiefarchitect.com

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CARCH002	Chief Architect Certified Apprentice	Chief Architect, Inc.		CAPE Industry Certification	The certification provide an achievement process for demonstrating competency in using Chief Architect software.	The User Certification Exam is a half-day proctored exam consisting of hands-on use of the program with fill-in-the-blank questions developed from over 20 competency areas.	www.chiefarchitect.com
CERHB001	Biotechnician Assistant	Center for Excellence for Regenerative Health Biotechnology at University of Florida		CAPE Industry Certification	The Bio Technician certification includes: Safety procedures and guidelines; Communication and Documentation; Scientific Inquiry, Calculations & Analysis; Basic equipment use and maintenance; Organism Structure and Function, Chemical applications (Molar concentrations, chemical bonding, pH); Microbiology and Blood-Borne Disease; Product and Process development, Manufacturing processes; Regulatory and Quality systems; Legal and ethical responsibilities; and Mechanisms and Resources to collect, analyze, and disseminate information and data.	The "Biotechnician Assistant" is a Florida credential that reflects successful mastery of the theoretical knowledge and practical applications described in the framework of Florida's secondary program #8736000; a three-course sequence of Biotechnology 1 (#3027010), Biotechnology 2 (#3027020), and Biotechnology 3 (#8736030). Certification is earned by scoring an 80% or higher on the written and practical sections of the exam. Completion of the secondary program is not required to take the exam.	www.cerhb.ufl.edu/education-center/biotechnician-assistant-credential
CISCO003	Cisco Certified Entry Network Technician (CCENT)	Cisco Systems, Inc.		CAPE Industry Certification	CCENT has been created to address the need for networking professionals with a solid practical understanding of modern TCP/IP networks built with Cisco hardware, and will certify practical skills required for entry-level network support positions.	The 640-822 Interconnecting Cisco Networking Devices Part 1 (ICND1) is the exam associated with the Cisco Certified Entry Network Technician certification and a tangible first step in achieving the Cisco Certified Network Associate certification. Candidates can prepare for this exam by taking the Interconnecting Cisco Networking Devices Part 1 (ICND1) v1.1 course. This exam tests a candidate's knowledge and skills required to successfully install, operate, and troubleshoot a small branch office network. The exam includes topics on networking fundamentals; connecting to a WAN; basic security and wireless concepts; routing and switching fundamentals; the TCP/IP and OSI models; IP addressing; WAN technologies; operating and configuring IOS devices; configuring RIPv2, static and default routing; implementing NAT and DHCP; and configuring simple networks. This exam is a 75 minute exam with 40-50 questions.	www.cisco.com
CISCO004	Cisco Certified Network Associate (CCNA)	Cisco Systems, Inc.		CAPE Industry Certification	The CCNA validates the ability to install, configure, operate, and troubleshoot medium-size routed and switched networks, including implementation and verification of connections to remote sites.	Cisco Certified Network Associate Exam- 90 min. Candidates can prepare for this exam by taking the Interconnecting Cisco Networking Devices Part 1 (ICND1) v1.0 and the Interconnecting Cisco Networking Devices Part 2 (ICND2) v1.0 courses.	www.cisco.com
CISCO005	Cisco Certified Network Professional (CCNP)	Cisco Systems, Inc.		CAPE Industry Certification	Indicates advanced or journeyman knowledge of networks. With a CCNP, a network professional can install, configure, and troubleshoot local and wide area networks for enterprise organizations with networks from 100 to more than 500 nodes. The content emphasizes topics such as security, converged networks, quality of service (QoS), virtual private networks (VPN) and broadband technologies.	Four required exams- 642-901 BSCI, 642-812 BCMSN, 642-825 ISCW, 642-845 ONT; Recommended Training- Building Scalable Cisco Internetworks, Building Cisco Multilayer Switched Networks, Implementing Secure Converged Wide Area Networks, and Optimizing Converged Cisco Networks.	www.cisco.com
CISCO011	Cisco Certified Network Associate Security (CCNA Security)	Cisco Systems, Inc.		CAPE Industry Certification	The 640-553 IINS exam is associated with the CCNA Security certification. The 640-553 exam tests a candidate's knowledge of securing Cisco routers and switches and their associated networks. It leads to validated skills for installation, troubleshooting and monitoring of network devices to maintain integrity, confidentiality and availability of data and devices and develops competency in the technologies that Cisco uses in its security infrastructure. The CCNA Security curriculum emphasizes core security technologies, the installation, troubleshooting and monitoring of network devices to maintain integrity, confidentiality and availability of data and devices, and competency in the technologies that Cisco uses in its security structure.	A valid CCNA or any CCIE Certification can act as a pre-requisite. The 640-553 Implementing Cisco IOS Network Security (IINS) exam is required for the CCNA Security certification. This exam tests a candidate's knowledge of securing Cisco routers and switches and their associated networks. The following course is the recommended training for this exam: Implementing Cisco IOS Network Security (IINS) v1.0.	www.cisco.com
CISCO013	Cisco Certified Network Associate Wireless (CCNA Wireless)	Cisco Systems, Inc.		CAPE Industry Certification	The CCNA Wireless Certification exam, 640-721, validates candidate's skills in the configuration, implementation and support of wireless LANs, specifically those networks using Cisco equipment. The exam covers configuring, monitoring and troubleshooting basic tasks of a Cisco WLAN in SMB and Enterprise networks.	The 640-721 Implementing Cisco Unified Wireless Network Essential (IUWNE) exam is the exam associated with the CCNA Wireless certification. This exam tests a candidate's knowledge of installing, configuring, operating, and troubleshooting small to medium-size WLANs. Candidates can prepare for this exam by taking the Implementing Cisco Unified Wireless Network Essential (IUWNE) course. Examinees have 90 minutes to complete 75-85 questions.	www.cisco.com
CISCO017	Cisco Certified Network Professional Wireless (CCNP Wireless)	Cisco Systems, Inc.		CAPE Industry Certification	CCNP Wireless certification exams (642-731, 642-736, 642-741 and 642-746) address the need for designing, implementing, and operating Cisco Wireless networks and mobility infrastructures and emphasizes wireless networking principles and theory. The certification also recognizes the expertise and technical acumen of wireless networking professionals who can assess and translate network business requirements into technical specifications that in turn, are incorporated into successful installations.	A candidate for this certification must past four separate exams. The four exams are: Conducting Cisco Unified Wireless Site Survey (642-731); Implementing Cisco Unified Wireless Voice Networks (642-741); Implementing Cisco Unified Mobility Services (642-746); and Implementing Advanced Cisco Unified Wireless Security (642-736).	www.cisco.com
CISCO018	Cisco Certified Internetwork Expert Routing and Switching (CCIE Routing & Switching)	Cisco Systems, Inc.		CAPE Industry Certification	CCIE R&S certifies the expert-level skills required to plan, prepare, operate, monitor and troubleshoot complex converged networks. Professionals who achieve CCIE have demonstrated their technical skills at the highest level.	The CCIE R&S written exam is a two-hour qualification exam with 90-110 questions taken online at a Cisco authorized Pearson VUE testing center. The questions are a combination of multiple choice and more complex, interactive items that assess technical knowledge on topics such as IP, IP routing, bridging and switch-related technologies, and some equipment commands. The exam is closed book and no outside reference materials are allowed. Candidates for CCIE R&S certification must first pass a written qualification exam and then the corresponding hands-on lab exam. Each written exam version is offered first in beta form. A passing grade on the beta qualifies a candidate to schedule the lab exam. A candidate is expected to have an in-depth understanding of the topics in the exam blueprints and strongly encouraged to have three to five years of job experience before attempting certification. The overall exam score will be reported on a scale from 300-1000.	www.cisco.com
CNCSI001	Mastercam Certified Programmer Mill Level 1 (CPgM1)	CNC Software Inc.		CAPE Industry Certification	The Mastercam Certified Programmer Mill Level 1 (CPgM1) is a rigorous 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 ensures a strong foundation in CNC knowledge.	Students enrolled in the Mastercam CAD/CAM program must take a 120 multiple-choice question assessment and pass with a score of 70% or better to evaluate the level of machining knowledge and skills to assist instructors in determining if a student is ready to proceed with Mastercam certification. The CPgM1 certification exam is a practical test and requires the applicant to: (1) Create a 3D wireframe using Mastercam software within 2 hours; (2) Create a CNC program and support information for each setup within 2.5 hours; and (3) Program must be run by Certified Instructor based on criteria to meet certification requirements.	www.mastercam.com
CNCSI002	Mastercam Associate Certification - Mill Design and Toolpaths	CNC Software Inc.		CAPE Industry Certification	The Mastercam University Mill Design & Toolpaths course provides training that exceeds the minimum requirements for the first level of Mastercam Certification (Mill-CPgmM). This course is the baseline Mastercam training at both major manufacturing companies and colleges throughout the United States. Course objectives include: Geometry; 2D High Speed Toolpaths (HST) and Feature Based Machining (FBM); Solids; Toolpath; and Operations Manager.	Students must score an 80% or above on each comprehensive online post exam (after each module) and an 80% or above on the final comprehensive online exam.	www.mastercam.com

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COMPT001	CompTIA A+	Computing Technology Industry Association (CompTIA)		CAPE Industry Certification	CompTIA A+ confirms a technician's ability to perform tasks such as installation, configuration, diagnosing, preventive maintenance and basic networking.	Two exams are necessary to be certified: CompTIA A+ Essentials, exam code 220-701; and CompTIA A+ Practical Application, exam code 220-702. Each exam consists of 100 exam questions with a test time limit of 90 minutes.

CompTIA A+ Essentials measures the necessary competencies of an entry-level IT professional with a recommended 500 hours of hands-on experience in the lab or field. It tests for technical understanding of computer technology, networking and security, as well as the communication skills and professionalism now required of all entry-level IT professionals. Examinees must pass the CompTIA A+ Essentials with 675 or higher (on a scale of 100-900). | www.comptia.org |
| COMPT002 | CompTIA CDIA+ | Computing Technology Industry Association (CompTIA) | | CAPE Industry Certification | The CompTIA Certified Document Imaging Architect (CDIA+) credential validates the knowledge of professionals who deliver document imaging solutions. It is a vendor-neutral certification that proves expertise in the technologies and best practices used to plan, design, and specify a document imaging, management system. | Must pass the CompTIA A+ exam- 85 question exam; 90 minutes. | www.comptia.org |
| COMPT005 | CompTIA Linux+ | Computing Technology Industry Association (CompTIA) | | CAPE Industry Certification | The CompTIA Linux+ certification proves that a candidate can explain fundamental open source resources/licenses, demonstrate knowledge of user administration, understand file permissions/software configurations and manage local storage devices and network protocols. | Individuals with a minimum of six to 12 months of practical Linux experience are eligible for the CompTIA Linux+ certification. The certification exam is 90 minutes and 98 questions. The minimum passing score is 675 on a scale of 100-900. | www.comptia.org |
| COMPT006 | CompTIA Network+ | Computing Technology Industry Association (CompTIA) | | CAPE Industry Certification | The CompTIA Network+ certification is an international, vendor-neutral certification that recognizes a technician's ability to describe the features and functions of networking components and to install, configure and troubleshoot basic networking hardware, protocols and services. | Network+ Certification Exam- 90 minutes, 85 questions; nine months networking experience recommended, but not required. (CompTIA Network+ certified professionals who want to diversify their base knowledge in other areas should also consider pursuing CompTIA Security+, Server+ or Convergence+).

The current version of CompTIA Network+, exam code N10-005. The revised objectives address virtual networking and give increased attention to network security and coverage of the seven-layer OSI (Open System Interconnection) model. | www.comptia.org |
COMPT007	CompTIA Project+	Computing Technology Industry Association (CompTIA)		CAPE Industry Certification	CompTIA Project+ is a globally recognized project management certification that identifies qualified and quality project managers. The CompTIA Project+ certification is an international, vendor-neutral certification that covers the entire project life cycle from initiation and planning through execution, acceptance, support and closure. CompTIA Project+ covers the business and technical project management skills needed to successfully manage business projects. It emphasizes getting buy-in from stakeholders, proper scheduling and budget control.	The CompTIA Project+ exam is required. The exam covers pre-project set-up/initiating; project planning; project execution and delivery; change, control and communication; and project closure. Recommended experience is one year managing, directing, or participating in small to medium scale projects.	www.comptia.org
COMPT008	CompTIA Security+	Computing Technology Industry Association (CompTIA)		CAPE Industry Certification	Earning a 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.	It is recommended that CompTIA Security+ candidates have at least two years of on-the-job technical networking experience, with an emphasis on security along with the CompTIA Network+ certification. The certification exam is 90 minutes and 100 questions. The minimum passing score is 750 on a scale of 100-900.	www.comptia.org
COMPT009	CompTIA Server+	Computing Technology Industry Association (CompTIA)		CAPE Industry Certification	CompTIA Server+ validates the knowledge and skills of advanced IT technicians. CompTIA Server+ certifies technical knowledge in areas such as RAID, SCSI and multiple CPUs, as well as capabilities with server issues, including disaster recovery.	Although not a prerequisite, it is recommended that CompTIA Server+ candidates hold a CompTIA A+ certification; for individuals with 18-24 months of experience with Industry Standard Server Architecture (ISSA) technology. CompTIA Server+ Exam- 80 questions, 90 minutes.	www.comptia.org
CPREC001	Child Development Associate (CDA)	Council for Professional Recognition	New	CAPE Industry Certification	A Child Development Associate (CDA) is an individual who has successfully completed the CDA assessment process and has been awarded the CDA credential. CDA's are able 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.	Candidates who meet the age, training and experience requirements can purchase an application packet, complete the required documents and apply to the council for assessment.
1. Upon receipt of application packet, candidate must complete the following: Document completion of Professional Resource File, Submit Parent Opinion Questionnaires, Be observed by Advisor, Submit application and required documentation
2. Council representative will schedule a verification visit which includes:

Studies Reviews (or Photos multiple Resource File, Collect all documentation, Administer the Early Childhood choice exam), Conduct an oral interview of the candidate

A Council Committee reviews documentation and renders on the award of the credential. If the credential is awarded, the official Child Development Associate Credential is sent. If the committee decides more training is needed, the Council lets candidates know what next steps to take to earn the Credential. | www.cdacouncil.org/ |
DIGIT001	STARS GIS Technician	DigitalQuest, Inc.		CAPE Industry Certification	STARS (Spatial Technology and Remote Sensing) is both the name of an industry standard Geospatial Certification and the name of a series of courses that prepare the student to take the GIS certification test. STARS is the first and only competency based, industry recognized, entry-level, geospatial certification. The STARS certification is a 4 semester series of courses that provides students with skills to be an entry level geospatial technician.	The STARS GIS certification test consists of two parts: (1) a guided project where the student or prospective employee must demonstrate his or her understanding of the GIS process and utilize all of the skill set required for employment; and (2) a written exam requiring the student or prospective employee to demonstrate that they have the necessary depth of knowledge to be employed in the geospatial industry.	www.digitalquest.com
DIGIT002	SPACE Geospatial Certification	DigitalQuest, Inc.		CAPE Industry Certification	The SPACE Certification is based on assessing an individual's user-level geospatial foundation. Geospatial technology is spread throughout many industries and high-growth job categories - becoming an essential skill set in many industries. The SPACE certification is a means to qualify student proficiency in geospatial skills and application of those skills to a particular career path.	The S.P.A.C.E. Geospatial Certification exam requires candidates to complete a practical evaluation of map layouts using course software, and an assessment based on GIS concepts and tools, as well as career specific questions. Candidates should have knowledge of GIS/RS concepts, introduction to GIS tools and processes, extended tools in surface analysis, and career focus specific GIS knowledge. The eight career focus pathways that candidates may specialize in are the following: Agriculture, food, and natural resources; Green and Sustainability; Health Science; Homeland Security; Law and Public Safety; Marketing; STEM; Transportation and Logistics	www.digitalquest.com/
ETAIN006	Avionics Electronics Technician	Electronics Technician Association International		CAPE Industry Certification	Avionics Electronics Technicians must be knowledgeable and have functional abilities 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.	A technician with two or more years of combined work and electronics training may apply for the Journeyman exam. To be a fully Certified Electronics Technician, an entire certification exam must be passed, which consists of the Associate level exam, plus one of the specialized Journeyman options. This exam deals with advanced practice and theory applicable to the electronics specialty selected. The Journeyman level exam is a two hour exam and the applicant must score at least 75% on both the Associate and the Journeyman exams to pass. A technician who has a valid Associate certification will be required to write only the Journeyman option. Avionics electronics technicians are expected to obtain knowledge of wired and wireless communications basic concepts which are then applicable to various types of avionics systems as they are used in the aeronautics field. It is also highly recommended that the Avionics technician have an FCC General Radio Telephone Operator license.	www.eta-i.org

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FDMQA002	Certified Nursing Assistant (CNA)	Florida Department of Health		CAPE Industry Certification	The Nursing Assistance test measures an individual's knowledge of the core skills required of nursing assistants. Designed for all health care support professionals, this test covers the following topics: Basic Emergency Care, Basic Human Needs and Communication, Body Systems, Body Systems Disorders, Infection and Infection Control, Mental Health, Nutrition, Patient Care and Comfort, Role and Responsibility, and Vital Signs.	Candidates must pass the Prometric CNA Exam which is a two part examination, consisting of a written and a performance (skills) section. The Written Test is a two-hour test with fifty (50) multiple-choice questions written in English. The Manual Skills Evaluation requires the applicant to perform five (5) randomly selected nursing assistant skills. A state-approved training program is not required prior to examination; however, it is strongly recommended. A high school diploma or its equivalent, or be 18 years of age, is required if the applicant is challenging the exam without completion of an approved training program. Applicants must pass a level 2 background screen prior to taking the exam.	www.doh.state.fl.us/mqa/nursing
FDMQA017	Licensed Practical Nurse (LPN)	Florida Department of Health		CAPE Industry Certification	Licensed Practical Nurse provides basic bedside care. Many LPNs measure and record patients' vital signs such as weight, height, temperature, blood pressure, pulse, and respiratory rate. They also prepare and give injections and enemas, monitor catheters, dress wounds, and give alcohol rubs and massages. To help keep patients comfortable, they assist with bathing, dressing, and personal hygiene, moving in bed, standing, and walking. They might also feed patients who need help eating. Experienced LPNs may supervise nursing assistants and aides, and other LPNs. As part of their work, LPNs collect samples for testing, perform routine laboratory tests, and record food and fluid intake and output. They clean and monitor medical equipment. Sometimes, they help physicians and registered nurses perform tests and procedures. Some LPNs help to deliver, care for, and feed infants. LPNs also monitor their patients and report adverse reactions to medications or treatments. LPNs gather information from patients, including their health history and how they are currently feeling. They may use this information to complete insurance forms, pre-authorizations, and referrals, and they share information with registered nurses and doctors to help determine the best course of care for a patient.	The NCLEX is designed to test knowledge, skills and abilities essential to the safe and effective practice of nursing at the entry level. The NCLEX-PN® are variable length, computerized tests. The NCLEX is not offered in paper-and-pencil or oral examination formats. The NCLEX-PN examination can be anywhere from 85 to 205 items. Of these items, 25 are pretest items that are not scored. The time limit for this examination is five hours. Only boards of nursing can release NCLEX results to candidates. A student completes the requirements (set by the Board of Nursing (BON)) of an approved and/or accredited program/school (licensed by & meets BON expectations) and graduates. The school submits the graduate names to BON and graduates submit an application for licensure to BON. BON approves the graduate to take the National Council Licensure Examination (NCLEX) for Practical Nurses. A candidate has five hours to complete the PN examination. If the graduate passes the examination and the criminal check is verified and the file is complete, the BON issues the license.	www.doh.state.fl.us/mqa/nursing
FDMQA030	911 Public Safety Telecommunicator	Florida Department of Health	New	CAPE Industry Certification	"911 public safety telecommunicator" means a public safety dispatcher or 911 operator whose duties and responsibilities include the answering, receiving, transferring, and dispatching functions related to 911 calls; dispatching law enforcement officers, fire rescue services, emergency medical services, and other public safety services to the scene of an emergency; providing real-time information from federal, state, and local crime databases; or supervising or serving as the command officer to a person or persons having such duties and responsibilities.	To obtain initial certification as a Florida public safety telecommunicator (PST), and individual must: complete a Department approved PST training program as defined in §401.465(1)(c), Florida Statutes. A copy of the certificate of completion received from the training program is submitted with the exam application OR provide proof of employment as a PST or state-certified firefighter prior to April 1, 2012. Proof of employment is documented on the exam application attachment. Pass the state's PST exam. Submit Form DH 5066, Initial/Original Certification Application	www.doh.state.fl.us/mqa/
FEDAA002	FAA Aviation Maintenance Technician - General	Federal Aviation Administration		CAPE Industry Certification	A certificated mechanic may perform or supervise the maintenance, preventive maintenance or alteration of an aircraft but excluding major repairs to and alterations of propellers and/or instruments.	To be eligible for a mechanic certificate a person 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; and meet any other requirements as outlined in the appropriate sections of Title 14 of the Code of Federal Regulations (14 CFR part 65) and pass the FAA airman knowledge tests with a minimum passing score of 70 percent.	www.faa.gov/licenses_certificates
FEDAA007	FAA Pilot - Instrument	Federal Aviation Administration		CAPE Industry Certification	A certified instrument pilot may 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.	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 and pass the required knowledge test with a minimum passing score of 70 percent.	www.faa.gov/licenses_certificates
FEDAA010	FAA Aviation Maintenance Technician - Powerplant	Federal Aviation Administration		CAPE Industry Certification	Powerplant mechanics are authorized to work on engines and do limited work on propellers. Combination airframe and powerplant mechanics—called A&P mechanics—work on all parts of the plane except the instruments. Most mechanics working on civilian aircraft today are A&P mechanics.	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. An individual must take oral and practical tests as well as written tests. A Designated Mechanic Examiner gives the oral and practical test. The oral and practical tests cover 43 technical subjects. Typically tests for one certificate- airframe or power plant- takes about 8 hours. There are separate tests for airframe and power plant mechanic certificates, as well as a general test covering both.	www.faa.gov/licenses_certificates
FEDAA011	FAA Private Pilot	Federal Aviation Administration		CAPE Industry Certification	A Private Pilot Certificate, is a qualification that permits the holder to act as the pilot of an aircraft privately.	Prior to taking the Private pilot knowledge test, an individual must present one of the following: 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 satisfactory completion of the required ground instruction; 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. 14 CFR Part 61 section 105 references the requirements for the Private pilot knowledge test. Reference 14 CFR Part 61 subpart E, section 109.	www.faa.gov/licenses_certificates
FEDAA013	FAA Ground School	Federal Aviation Administration		CAPE Industry Certification	The ideal study program is enrollment in a formal ground school course. This offers the advantages of a professional instructor as well as facilities and training aids designed for pilot instruction. Many of these schools use audiovisual aids or programmed instruction materials to supplement classroom instruction. Ground school takes two basic forms: an instructor teaching a scheduled class or a self-paced, home-study program using video or audio tapes and/or a computer-based program.	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 satisfactory completion of the required ground instruction. After ground school and before individuals can take a FAA check ride with a designated pilot examiner, they must take and pass (70 percent or better) an FAA airman knowledge test at an approved computer testing site.	www.faa.gov/licenses_certificates

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FEDAA015	FAA Ground Instructor - Basic	Federal Aviation Administration		CAPE Industry Certification	A certified basic ground instructor is certified 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. There are three ratings of Ground Instructors: Basic, Advanced, and Instrument. These ratings entitle instructors to different training privileges.	To be eligible for ground instructor certificate: 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. Pass knowledge tests on the fundamentals of instructing and a flight or ground instructor knowledge test specific to the instructor rating sought with a minimum score of 70 percent.	www.faa.gov/licenses_certificates
FLADA001	Florida Automobile Dealers Association (FADA) Certified Technician	Florida Automobile Dealers Association		CAPE Industry Certification	The Florida Automobile Dealers Association (FADA) Certified Technician is designed to leverage the talents and abilities of individuals pursuing a career in the automotive service industry, enhance career opportunities through the acquisition of an industry recognized certification, provide third-party assessments as a means of independent quality control, and support economic recovery initiatives in Florida.	The certification is awarded to those persons passing the certification examination's four-hour long assessment, which includes Safety, Brakes, and Electrical/Electronic Systems. Assessments will be taken online and proctored by trained proctors at locations throughout the state.	www.flada.org/certification
FLDEP003	Wastewater Treatment Plant Operator Level C	Florida Department of Environmental Protection	New	CAPE Industry Certification	Florida Statutes require anyone who operates a drinking water treatment plant or a domestic wastewater treatment plant to be licensed by FDEP. The Florida Operator Certification Program is to promote public health and safety, protect the environment, and conserve Florida's water resources by ensuring that all persons working in wastewater meet the highest standards for certification as determined by the rules and regulations of the Florida Department of Environmental Protection under the guidelines of the United States Environmental Protection Agency. The content of the examination covers regulatory requirements established in Chapter 62, sections 62-550 through 62-560, plus section 62-699, of the Florida Administrative Code. Approved resident training courses have met established Department of Education standards and are offered at local community colleges and technical centers throughout the state. In addition, a number of correspondence courses have been approved by DEP and are listed in the Operator Certification Program Handbook at http://www.dep.state.fl.us/water/wff/ocp/docs/ocp_handbook.pdf.	Candidates must complete an examination application for either and submit it to the department for approval. In addition to this form, candidates must provide the department with: The applicable fee Documentation of training course completion Two photographs of the applicant's face and head (size 2 inches by 2 inches) not more than 6 months old. Copy of a high school diploma (if a copy is not currently on file) Additional information can be found at: http://www.dep.state.fl.us/water/wff/ocp/app_over.htm.	www.dep.state.fl.us/
FLDEP006	Water Treatment Plant Operator Level C	Florida Department of Environmental Protection		CAPE Industry Certification	Florida Statutes require anyone who operates a drinking water treatment plant or a domestic wastewater treatment plant in Florida to be licensed by the Department of Environmental Protection. Students complete competencies listed in the FL-DEP Water Treatment Plant Operators to include: 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.	To be eligible for operator licensing examinations the applicant must meet the following criteria: have a high school diploma or its equivalent; and have successfully completed a required training course for the classification and level of the examination to be taken no more than five years before the examination. Examinations are composed of four levels Operators - Class A, Class B, Class C, and Class D. The examination time allocated is three hours for class A, B, and C; 100 questions. All exams are composed of multiple choice questions and the minimum passing score is 70%.	www.dep.state.fl.us/water/wff/ocp/
FLENG001	Engineering Core certification	Florida Engineering Society		CAPE Industry Certification	The engineering Core Certification represents acknowledgement by industry of the core or foundational engineering skills and knowledge achieved by secondary students enrolled in Project lead the Way's (PLTW) Pathways to Engineering (PTE) curriculum. To earn the certification, students must pass the end-of course assessments for any three PTE courses with a minimum score of eighty (80) percent.	Prior to march 31 of each year, PLTW Pathways to Engineering teachers submit the names of students meeting the above criteria to the Florida PLTW Director for validation. Upon verification of eligibility, the Florida PLTW Director will submit the list of certification candidates to the Florida Engineering Society (FES) for generation of the official certificate. FES will prepare and mail certificates to students within 30 days of receiving the list of candidates. all exams are administered by Northwest Educational Association (NWEA) via an online testing portal.	www.fleng.org
FLFBR001	Agritechnology Certification	Agricultural Education Services and Technology Inc.		CAPE Industry Certification	The Agriculture Technician is trained in 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.	The certification standards for the Agricultural Technician Certification Exam include the standards and benchmarks taught in the Agritechnology program at the secondary level. Certified individuals have a knowledge and skill set applicable to entry level positions in the agricultural industry. The certification is awarded to those persons passing the certification examination's two-hour long assessment which includes all areas listed above. Assessments will be taken online and proctored by trained proctors at locations throughout the state.	certify.ag/
FLFBR002	Agricultural Biotechnology Certification	Agricultural Education Services and Technology Inc.		CAPE Industry Certification	The Agriculture Biotechnology Certification includes training in General 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.	The certification standards for the Agriculture Biotechnology Certification Exam include the standards and benchmarks taught in the Agritechnology program at the secondary level. Certified individuals have a knowledge and skill set applicable to entry level positions in the agricultural industry. The certification is awarded to those persons passing the certification examination's two-hour long assessment which includes all areas listed above. Assessments will be taken online and proctored by trained proctors at locations throughout the state.	certify.ag/
FLFBR003	Agricultural Communications Certification	Agricultural Education Services and Technology Inc.	New	CAPE Industry Certification	Agricultural Communications certifies that individuals have a knowledge and skill set applicable to 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.	The certification is awarded to those persons passing the certification exam's two-hour long assessment. Assessments will be taken online and administered by approved, non-agriculture educator proctors. Exams are 100 questions in length and include multiple choice options for all questions. Individuals are required to score a 75% or above to receive a passing score and the certification. Retakes are available to individuals who do not meet the minimum score.	certify.ag/
FLFBR004	Agricultural Mechanics Certification	Agricultural Education Services and Technology Inc.	New	CAPE Industry Certification	Agricultural Mechanics (Technical Agriculture Operations) certifies that individuals have a knowledge and skill set applicable to 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.	The certification is awarded to those persons passing the certification exam's two-hour long assessment. Assessments will be taken online and administered by approved, non-agriculture educator proctors. Exams are 100 questions in length and include multiple choice options for all questions. Individuals are required to score a 75% or above to receive a passing score and the certification. Retakes are available to individuals who do not meet the minimum score.	certify.ag/
FLFBR005	Animal Science Certification	Agricultural Education Services and Technology Inc.	New	CAPE Industry Certification	Animal Science certifies that individuals have a knowledge and skill set applicable to 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.	The certification is awarded to those persons passing the certification exam's two-hour long assessment. Assessments will be taken online and administered by approved, non-agriculture educator proctors. Exams are 100 questions in length and include multiple choice options for all questions. Individuals are required to score a 75% or above to receive a passing score and the certification. Retakes are available to individuals who do not meet the minimum score.	certify.ag/

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FLSFM005	Fire Fighter I	Florida Department of Financial Services, State Fire Marshal, Bureau of Fire Standards & Training		CAPE Industry Certification	The Firefighter I Training Program, which includes the National Fire Protection Association (NFPA) Firefighter I and Florida specific requirements, consists of a minimum of 206 hours of training. The Firefighting I Training Program which includes NFPA Firefighter I and 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. Ref Florida Statutes 633.35 The division shall issue a certificate of compliance to any person satisfactorily complying with the training program established in subsection (1), who has successfully passed an examination as prescribed by the division.	The Firefighting I Training Program which includes NFPA Firefighter I and 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. Ref Florida Statutes 633.35 The division shall issue a certificate of compliance to any person satisfactorily complying with the training program established in subsection (1), who has successfully passed an examination as prescribed by the division.	www.myfloridacfo.com/sfm
FLVMA002	Certified Veterinary Assistant (CVA)	Florida Veterinary Medical Association		CAPE Industry Certification	Veterinary Assistant Training is designed to familiarize new assistants and other hospital staff with the myriad of procedures performed daily in the animal hospital. Level One will educate veterinarian assistants in the essential skills and knowledge needed to become effective contributors to the veterinary medical care team. Level Two benefits specialty practice from the reception desk to the patient care technicians. It will help veterinary professionals fulfill their career goals at their own pace, while enhancing the ability of the practice to care for patients and communicate with clients.	This CVA course of study blends four essential elements into a program that leads the certification as a veterinary assistant: Online Curriculum - 10 units comprised of approximately 100 veterinary videos and Power Point presentations; Work Experience - A 90-day (500 hours) working apprenticeship in the veterinary hospital of the candidate's choice; Practical Skills - The CVA student must demonstrate numerous hands-on skills for their supervisor; and a CVA Final Exam. 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.	www.fvma.com/
FMAIN001	Precision Sheetmetal Operator - Level I (PSMO)	Fabricators & Manufacturers Association, International (FMA)	New	CAPE Industry Certification	FMA's certification program: 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.	Applicants must meet the following minimum requirements for certification: 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. Pass a 100 question exam covering 13 topic areas: Metals, Metallurgy, and Metal Working Processes; Paperwork and Documentation; Math Calculations for Sheet Metal Fabrication; Blueprint Reading and Part Layout; Computer/Part Program; Machine Set Up, Functioning, and Operation; Hand Tools; Inspection/Quality Control; Inspection Tools; Tooling/Dies/Jigs/Fixtures; Material and Product Handling; Safety Checks, Equipment, and Procedures; and Preventive Maintenance on Equipment and Tools.	www.fmanet.org
FNGLA001	Certified Horticulture Professional	Florida Nursery Growers and Landscape Association		CAPE Industry Certification	The Florida Nursery, Growers & Landscape Association (FNGLA) Certified Horticulture Professional (FCHP) program is the industry's only standard for measuring horticulture knowledge on everything from plant and pest identification to landscape management. FCHP promotes professionalism among horticulture professionals, including nursery, greenhouse, landscape and retail garden center employees. The FCHP certification exam emphasizes general plant/soil sciences, pest/plant identification techniques, and plant usage/management in the landscape.	An individual must meet one of the following criteria: 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 consist of: Aromatherapy and Plants; Butterfly Gardens; BMPs for the Landscape; Color in the Garden; Design of Container Gardens; Down and Dirty of Container Gardens; Environmental Horticulture; Fresh Air with Fresh Interiors; Garden Therapy; Horticultural Awareness; Safety and First Aid; Supervising for Safety. Candidates must pass a comprehensive four-part three hour written exam. Certified Horticulture Professionals are required to maintain 15 hours of continuing education every three years.	www.fngla.org
GRBCI002	LEED Green Associate	Green Building Certification Institute	New	CAPE Industry Certification	LEED, or Leadership in Energy & Environmental Design, is a green building certification program that recognizes best-in-class building strategies and practices. LEED is the only global rating system that offers regional approaches to environmental and building issues and local resources to help projects on the ground, wherever they are. To receive LEED certification, building projects satisfy prerequisites and earn points to achieve different levels of certification: Certified, Silver, Gold and Platinum.	To receive LEED certification, building projects satisfy prerequisites and earn points to achieve different levels of certification. Prerequisites and credits differ for each rating system, and teams choose the best fit for their project.	www.gbci.org
HBINS002	Pre-Apprenticeship Certificate Training (PACT), Building Construction Technology	Home Builders Institute		CAPE Industry Certification	This certification recognizes the industry's need for a training program that included vocational and academic learning with on-the-job training. HBI's PACT is designed to serve diverse populations seeking a career in the building industry.	To earn the credential, the student must pass the appropriate NOCTI exam per the established criterion-referenced cut scores.	www.hbi.org
HPCPY001	HP (Hewlett-Packard) Applied Technical Associate (HP-ATA) - Connected Devices	Hewlett-Packard		CAPE Industry Certification	The HP ATA - Connected Devices certification provides the knowledge and experience required to discover a customer's business objectives and to design a PC client and connected device solution that meets the customer's requirements. In addition, knowledge and skill to deploy and troubleshoot the solution are also included.	The student is required to take the HP ATA Connected Devices course and exam. Each course is designed to be delivered within a single semester and includes both academic and practical elements.	www.hp.com/go/certification
HVACE001	HVAC Excellence Employment Ready - Heat Pump	HVAC Excellence	New	CAPE Industry Certification	HVAC Excellence Employment Ready Heat Pump This certification covers: components, controls, heat pump cycle, service, theory, troubleshooting, interpreting heat pump schematics.	This 100 question exam covers: components, controls, heat pump cycle, service, theory, troubleshooting, interpreting heat pump schematics.	www.hvacexcellence.org
HVACE002	HVAC Excellence Employment Ready - Air Conditioning	HVAC Excellence	New	CAPE Industry Certification	HVAC Excellence Employment Ready-Air Conditioning. This certification provides knowledge in air conditioning and refrigeration theory, equipment service, systems and components, troubleshooting, refrigerant flow control theory and application.	This 100 question exam covers: air conditioning and refrigeration theory, equipment service, systems and components, troubleshooting, refrigerant flow control theory and application.	www.hvacexcellence.org
HVACE011	HVAC Excellence Employment Ready - Electrical	HVAC Excellence	New	CAPE Industry Certification	HVAC Excellence Employment Ready Electrical This certification provides knowledge in components, meter usage, safety, theory, troubleshooting, fundamentals of motors and capacitors, interpreting electrical diagrams.	This 100 question exam covers: components, meter usage, safety, theory, troubleshooting, fundamentals of motors and capacitors, interpreting electrical diagrams.	www.hvacexcellence.org
IEMSR001	Emergency Medical Responder	International EMS Registry		CAPE Industry Certification	This certification covers the evaluation, treatment, stabilization, and transport of a patient that suffers from an illness or trauma. Students completing the secondary program in Emergency Medical Responder are eligible to sit for the certification. The minimum age for this certification is 16 years old.	To earn the credential, the student must pass with a 70% or higher for EMT and EMT-I. Those taking the Paramedic exam must pass with an 80% or higher. All practical exams must be completed as well. All certifications are valid for two years.	www.iemsr.org
IFSEA001	Certified Food Associate (CFA)	International Food Service Executive Association		CAPE Industry Certification	Food managers 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 ensure 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.	The CFM CFA test has 80 questions. The CFM CFA test demonstrates an individual's knowledge in the following areas, with about eight questions per section: Basic Cooking; Beverages and Wines; Dining Room Service; Dining Room Setup; General Industry Knowledge; Human Resources; Menu Development; Purchasing; Accounting and Cash; and Sanitation.	www.ifsea.com

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IHKBZ001	CNC Production Specialist	IHK-Bildungszentrum	New	CAPE Industry Certification	The CNC (computer numeric controlled) Production Specialist certification (CCI) enables participants to show their knowledge of computer-aided programming systems of CAD/CNC coupling and the CIM environment. They 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 will 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.	Basic Level CNC Technology (CCI) course participants learn the hands-on basics of CNC technology. With the help of practice-oriented exercises they are familiarized with the program and production sequence on NC lathes and NC milling machines. They can write simple programs which can then be used to program lathes and milling machines.	www.machiningtrainingsolutions.com/IHK.html
IHKBZ002	Eléctronics Technician for Industrial Engineering	IHK-Bildungszentrum	New	CAPE Industry Certification	Electronics technician for industrial engineering; 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; Hand over plants, instruct users in their operation and provide services; Work with English language documentation and communicate in English. Under the provisions of the Prevention of Accidents Regulations, electronics technicians for industrial engineering are deemed to be skilled electrical and electronic engineering workers.	Final examination administered by the competent body: 1. after completion of dual training in a company and at part-time vocational school (normal procedure); 2. after retraining in a recognized training occupation; 3. as an external examination for working people without formal vocational qualifications or persons who have been trained at full-time vocational schools or other vocational training institutions	www.bibb.de/tools/berufesuche/index.php/certificate_supplement/en/elektroniker_betriebstechnik_e.pdf
IHKBZ003	Industrial Mechanic	IHK-Bildungszentrum	New	CAPE Industry Certification	Industrial mechanic; 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; Check and document maintenance and assembly work according due consideration to company quality management systems.	Final examination administered by the competent body: 1. after completion of dual training in a company and at part-time vocational school (normal procedure); 2. after retraining in a recognized training occupation; 3. as an external examination for working people without formal vocational qualifications or persons who have been trained at full-time vocational schools or other vocational training institutions	www.bibb.de/tools/berufesuche/index.php/certificate_supplement/en/industriemechaniker_e.pdf
IHKBZ004	Méchatronics Fitter	IHK-Bildungszentrum	New	CAPE Industry Certification	Mechatronics fitter; 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; Carry out maintenance operations on mechatronic systems.	Final examination administered by the competent body: 1. after completion of dual training in a company and at part-time vocational school (normal procedure); 2. after retraining in a recognized training occupation; 3. as an external examination for working people without formal vocational qualifications or persons who have been trained at full-time vocational schools or other vocational training institutions	www.bibb.de/tools/berufesuche/index.php/certificate_supplement/en/mechatroniker_e.pdf
IHKBZ005	Precision Machinist	IHK-Bildungszentrum	New	CAPE Industry Certification	Precision machinist; 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 assurances 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; 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.	Final examination administered by the competent body: 1. after completion of dual training in a company and at part-time vocational school (normal procedure); 2. after retraining in a recognized training occupation; 3. as an external examination for working people without formal vocational qualifications or persons who have been trained at full-time vocational schools or other vocational training institutions	www.bibb.de/tools/berufesuche/index.php/certificate_supplement/en/feinwerkmechaniker_e.pdf
INTUT001	QuickBooks Certified User	Intuit		CAPE Industry Certification	The QuickBooks Certified User Program is designed for people who use QuickBooks in their day-to-day job. This includes bookkeepers, office managers and owners. The program is intended to broaden, deepen and verify knowledge of QuickBooks Financial Software (Pro, Premier, and Enterprise editions) through training and testing.	The QuickBooks Certified User program certification requirements include: Completing a 2-day Mastering QuickBooks live class offered by Real World Training. Passing the exam which is 50 multiple choice questions, on-line Certification Exam. To pass the exam, individuals must receive a score of 80% or higher. If a score of lower than 70% is received, individuals can retake the test with the same link in the email two more times before another test purchase is required.	www.realworldtraining.com
ISCET002	Electronics System Associate (ESA)	International Society for Certified Electronics Technicians		CAPE Industry Certification	Open to anyone interested in electronics, including a technician or student. The ESA covers DC, AC, Semi-conductor and Digital in 4 parts. Certificates are awarded for passing each of the 4 parts. Once all 4 certificates are earned the Associate Certified Electronics Technician (CET) is awarded. The ESA program offers advantages to the student and the instructors that the Associate level CET program does not offer. ESA certificates are issued for life, but are subject to the Registration requirements.	Certificates are awarded for passing each exam of the 4 parts of the ESA program, DC, AC, Semi-conductor and Digital. The ESA covers DC, AC, Semi-conductor and Digital in 4. Once all 4 parts of the ESA are successfully completed, the Associate Certified Electronics Technician (CET) is awarded.	www.iscet.org/certification/index.html
MICRO017	Microsoft Office Specialist Master	Microsoft Corporation		CAPE Industry Certification	Office Specialist exams provide a valid and reliable measure of technical proficiency and expertise by evaluating an individual's overall comprehension of Office or Microsoft Project programs, their ability to use their advanced features, and their ability to integrate the Office programs with other software programs.	Master Certification for Office 2010/2013: Candidates must successfully complete three required exams: MOS Word Expert, MOS Excel Expert, and MOS PowerPoint, and one elective exam: MOS Outlook, MOS OneNote, MOS SharePoint, or MOS Access.	www.microsoft.com/learning

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MICRO052	Microsoft Certified Trainer (MCT)	Microsoft Corporation		CAPE Industry Certification	Microsoft Certified Trainers (MCTs) are the premier technical and instructional experts in Microsoft products, technologies, and solutions. To ensure a superior learning experience for our customers, MCTs are the only individuals that Microsoft authorizes to deliver training that is based on Official Microsoft Learning Products or Microsoft Dynamics Learning Products for the MCT program.	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. An individual must also demonstrate instructional presentation skills by fulfilling one of the following: Provide evidence of a Certified Technical Trainer (CompTIA CTT+) certification; attend and pass a presentation skills course; prove experience as a technical trainer; or prove experience as an instructor at an accredited academic institution.	www.microsoft.com/learning
MICRO069	Microsoft Office Specialist (MOS) Bundle Certification (3 of 6)	Microsoft Corporation		CAPE Industry Certification	A Microsoft Office Specialist (MOS) certification helps validate proficiency in using Microsoft Office 2010/2013 and meets the demand for the most up-to-date skills on the latest Microsoft technologies. Candidates who pass a certification exam show that they can meet globally recognized performance standards.	Candidates must pass three certification exams in order to earn a MOS bundle certification. Eligible exams include Office 2010 (77-881, 77-882, 77-883, 77-884, 77-885, 77-886) and Office 2013 (77-418, 77-419, 77-420, 77-422, 77-423, 77-424). Exams are primarily performance-based and conducted in a "live," or simulated, environment. Exam candidates are asked to perform a series of tasks to clearly demonstrate their skills. A typical exam takes up to 90 minutes.	www.microsoft.com/learning
MICRO070	Microsoft Technology Associate (MTA) - Database Administration Fundamentals	Microsoft Corporation		CAPE Industry Certification	Students who complete this certification have demonstrated their 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).	To earn this certification, candidates must pass the Microsoft Technology Associate - Database Administration Fundamentals (Exam 98-364).	www.microsoft.com/learning
MICRO074	Microsoft Technology Associate (MTA) - Software Development Fundamentals	Microsoft Corporation		CAPE Industry Certification	Students who complete this certification have demonstrated their 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.	To earn this certification, candidates must pass the Microsoft Technology Associate - Software Development Fundamentals (Exam 98-361).	www.microsoft.com/learning
MICRO075	Microsoft Technology Associate (MTA) - Windows Server Admin Fundamentals	Microsoft Corporation		CAPE Industry Certification	Students who complete this certification have demonstrated proficiency in server installation, server roles, Active Directory, storage, server performance management, and server maintenance.	To earn this certification, the candidate must pass the Microsoft Technology Associate - Server Administration Fundamentals (Exam 98-365).	www.microsoft.com/learning
MICRO076	Microsoft Technology Associate (MTA) - Windows OS Fundamentals	Microsoft Corporation		CAPE Industry Certification	Students who complete this certification have demonstrated proficiency in the Windows operating system configuration, installing/upgrading and maintaining client systems, and managing applications, files and folders, and devices.	To earn this certification, the candidate must pass the Microsoft Technology Associate - Windows OS Fundamentals (Exam 98-349).	www.microsoft.com/learning
MICRO077	Microsoft Technology Associate (MTA) - Security Fundamentals	Microsoft Corporation		CAPE Industry Certification	Students who complete this certification have demonstrated their understanding of security concepts in a Windows Server 2008 environment such as security layers, operating system security, network security, and security software.	To earn this certification, the candidate must pass the Microsoft Technology Associate - Security Fundamentals (Exam 98-367).	www.microsoft.com/learning
MICRO078	Microsoft Technology Associate (MTA) - Networking Fundamentals	Microsoft Corporation		CAPE Industry Certification	Students who complete this certification have demonstrated an understanding of networking concepts in a Windows Server 2008 environment such as network infrastructures, network hardware, and protocols and services.	To earn this certification, the candidate must pass the Microsoft Technology Associate - Networking Fundamentals (Exam 98-366).	www.microsoft.com/learning
MICRO080	Microsoft Technology Associate (MTA) - HTML5 Application Developer Fundamentals	Microsoft Corporation		CAPE Industry Certification	Microsoft Technology Associate (MTA) – HTMLS Application Development Fundamentals certification provides individuals with the ability to demonstrate their proficiency in core HTML5 client application development skills that runs on today's touch-enabled devices (PCs, tablets, and phones).	A certification in Microsoft Technology Associate (MTA) - HTMLS Application Development Fundamentals requires students to pass exam 98-375.Candidates should have solid foundational knowledge and able to: Manage the Application Life Cycle, Build the User Interface by Using HTML5, Format the User Interface by Using CSS, Code by Using JavaScript.	www.microsoft.com/learning
MICRO083	Microsoft Certified Solutions Associate (MCSA) - Windows 7	Microsoft Corporation		CAPE Industry Certification	The Microsoft Certified Solutions Associate (MCSA) : Windows 8 certification validates that individuals have the expertise to configure and support a Windows 7 enterprise system.	A certification in Windows 7 requires students to pass exam 680-Configuring Windows 7 and exam 685-Windows 7, Enterprise Desktop Support Technician.	www.microsoft.com/learning
MICRO084	Microsoft Certified Solutions Associate (MCSA) - Windows 8	Microsoft Corporation		CAPE Industry Certification	The Microsoft Certified Solutions Associate (MCSA) : Windows 8 certification validates the core expertise needed to configure, manage, and maintain a Windows 8 enterprise system.	A certification in Windows 8 requires students to pass exam 687- Configuring Windows 8 and exam 688-Managing and Maintaining Windows 8.	www.microsoft.com/learning
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.	A certification in Windows Server 2008 requires students to pass exam 640-Windows Server 2008 Active Directory, Configuring, exam 642-Windows Server 2008 Network infrastructure, Configuring and exam 646-Windows Server 2008 Server Administrator.	www.microsoft.com/learning
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.	A certification in Windows Server 2012 requires students to pass exam 410-Installing and Configuring Windows Server 2012, exam 411-Administering Windows Server 2012 and exam 412-Configuring Advance Windows Server 2012 Services.	www.microsoft.com/learning
MSSCN002	MSSC Certified Logistics Technician (CLT)	Manufacturing Skills Standards Council (MSSC)		CAPE Industry Certification	The Certified Logistics Technician (CLT) Certification addresses the mid-level core technical competencies of higher skilled, front-line material handling and distribution workers in all supply chain facilities: from factories to warehouses, distribution centers and transporters.	In order to earn the Certified Logistics Technician (CLT) certification, candidates must already have their Certified Logistics Associate (CLA) Certificate. The CLT certification is awarded only when a candidate has completed the application, submitted the registration and assessment fees and successfully completed the CLA and CLT assessments. The CLT assessment consists of 96 multiple choice questions. Candidates are allowed 120 minutes to complete the assessment. The primary method of delivery for MSSC assessments is through an online assessment process supported by NOCTI/The Whitener Group.	www.msscusa.org
NACFS001	Modeling & Simulation (M&S) Certification	National Center for Simulation	New	CAPE Industry Certification	NCS is implementing an industry accredited certification program in Modeling and Simulation (M&S) for high school (and other) students. This certification program is aligned with the NCS high school M&S curriculum, a four year program preparing students for post-secondary education or entry level positions in industry or government. Students who complete this curriculum and those who have appropriate experience and/or other coursework and training may elect to take the NCS M&S Certification Exam.	The M&S Certification Program is open to rising Sophomores, Juniors, and Seniors who meet the below criteria and want to prepare for a rewarding, high paying and stimulating career in a high tech industry. Minimum overall GPA of 3.0. Recommendations from two teachers. Minimum requirements for M&S internships are: specific education, experience, knowledge, skills and abilities vary by internship position. Follow verbal / written instructions, communicate effectively and demonstrate effective written and verbal communications skills. Work independently or on a team as needed. Be computer savvy. Possess problem solving skills. Think critically, creatively, and share innovative ideas. Be reliable and accountable. Conduct themselves at all times in a respectful, responsible, and professional manner. Maintain a positive attitude.	www.simulationinformation.com/modeling-and-simulation-certification

DOE Code	Certification/Credential Title	Issuing Organization/Provider	New to List	Type (CAPE Industry Certification, CAPE Acceleration Industry Certification, CAPE Digital Tool Certificate)	Certification/Credential Description	Certification/Credential Requirements	Website
NAHUC001	Certified Health Unit Coordinator (CHUC)	National Association of Health Unit Coordinators, Inc.		CAPE Industry Certification	The Certified Health Unit Coordinator (CHUC) demonstrates knowledge and skill in four major areas: Transcription of Orders; Coordination of Health Unit; Equipment/Technical Procedures; and Professional Development.	Prerequisites: If a candidate is currently a health unit coordinator (ward clerk, floor secretary, unit secretary, etc.), 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 candidate must also have, at minimum, a high school diploma or GED. The NAHUC examination consists of 120 questions. The examination is designed as a nationally administered comprehensive job-related objective examination. The examination measures knowledge and skills in areas of job performance that the NAHUC Certification Board regards as essential. A candidate has 2.5 hours to complete the examination.	www.nahuc.org
NASME001	NASM Certified Personal Trainer (CPT)	National Academy of Sports Medicine	New	CAPE Industry Certification	Personal training has evolved into an exciting discipline that combines exercise, stretching, nutrition and more to set people on a path to better health. The industry-leading NASM-CPT program addresses this need by using the Optimum Performance Training model, which focuses on integrated solutions for every fitness level.	Contact certifying agency	www.nasm.org
NATEX001	Air Conditioning Service Technician	North American Technician Excellence		CAPE Industry Certification	This North American Technician Excellence (NATE) certification is a test of relevant applied knowledge of Air Conditioning service.	To earn NATE certification, a technician must pass both a CORE and a Specialty Air Conditioning Installation test with a grade of 70% or higher on each. There are 50 questions on CORE tests and 100 on the Specialty test. The core test covers basic math, customer relations, and fundamentals of electricity, heat transfer and comfort. The specialty test cover system components, applied knowledge, diagnostics, troubleshooting, and service and installation topics.	www.natex.org/technicians/certification-basics101/
NATEX002	Air Conditioning Installation Specialization	North American Technician Excellence	New	CAPE Industry Certification	This North American Technician Excellence (NATE) certification is a test of relevant applied knowledge of Air Conditioning service.	To earn NATE certification, a technician must pass both a CORE and a Specialty Air Conditioning Installation test with a grade of 70% or higher on each. There are 50 questions on CORE tests and 100 on the Specialty test. The core test covers basic math, customer relations, and fundamentals of electricity, heat transfer and comfort. The specialty test cover system components, applied knowledge, diagnostics, troubleshooting, and service and installation topics.	www.natex.org/technicians/certification-basics101/
NATEX003	Air to Air Heat Pump Installation Technician	North American Technician Excellence	New	CAPE Industry Certification	The North American Technician Excellence (NATE) certifications represent real working knowledge of HVAC and HVAC/R systems and are designed to allow candidates to be certified in specific knowledge areas related to installation or service certifications in one or more specialty areas. Installation technicians prepare installation sites (including removal of existing HVAC/R equipment), fabricate and assemble systems. These technicians should be able to properly power up and set control positions to cycle equipment through primary heating, cooling and blower operations under on-site or off-site supervision. The installation technician may take specialized readings, such as temperatures, refrigerant circuit pressure and basic VOM electrical readings, of both operating and non-operating equipment.	To earn NATE certification, a technician must pass both a CORE and a Specialty Air to Air Heat Pump Installation exam with a grade of 70% or higher on each. There are 50 questions on CORE tests and candidates have 90 minutes to complete the exam. The Core tests a candidate's general knowledge, construction knowledge, and HVACR specific knowledge in the areas of safety, tools, basic construction, using basic science, achieving desired conditions, taking temperature and humidity measurements and basic electrical. The specialty test covers knowledge of the installation, service, maintenance, and repair of HVAC systems. System sizes are limited to 30 tons or less cooling capacity. Candidates have 150 minutes to answer 100 questions.	www.natex.org/technicians/certification-basics101/
NATHA002	Certified EKG Technician (CET)	National Healthcareer Association		CAPE Industry Certification	Cardiovascular technologists and technicians 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. Cardiovascular technicians who specialize in electrocardiograms (EKGs), stress testing, and Holter monitors are known as cardiographic technicians, or EKG technicians.	Applicant must be 18 years of age or older, must have completed high school and complete 60 hours of training and perform 10 live EKG's.	www.nhanow.com
NATHA003	Certified Medical Administrative Assistant (CMAA)	National Healthcareer Association		CAPE Industry Certification	Patient's medical record and office management skills; Appointment/ scheduling/ correspondence; and Mail management skills.	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. Students 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.	www.nhanow.com
NATHA006	Certified Patient Care Technician (CPCT)	National Healthcareer Association		CAPE Industry Certification	A Certified Patient Care Technician/Associate/Nurse Technician (CPCT/CPCA/CNT) works with doctors, nurses and other healthcare professionals to provide direct patient care in a variety of healthcare environments. A CPCT/CPCA/CNT duties may include basic patient care including feeding, bathing or moving patients and changing linens.	Candidates 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.	www.nhanow.com
NATHA007	Certified Phlebotomy Technician (CPT)	National Healthcareer Association		CAPE Industry Certification	Certified Phlebotomy Technician, draw blood from patients in hospitals, blood centers, or similar facilities for analysis or other medical purposes. As a CPT, individuals may perform some or all of the following tasks: Perform 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 ; Prepare blood, urine, and other body fluid specimens for testing according to established standards; Benefits to obtaining a Phlebotomy Certification may include: more job opportunities, an increased pay scale, job security, and increased subject matter expertise.	To be eligible to earn an NHA Certification, candidates 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. 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. Candidates must provide written proof of training or experience and/or documentation of education completion upon request. To earn a Certified Phlebotomy Technician (CPT) certification, candidates have 1 hour and 50 minutes to complete 110 multiple choice questions. Content includes: Patient Preparation (23 questions), Collection Techniques (40 questions), Processing (27 questions), and Safety and Compliance (10 questions). Candidates must pass with a scaled score of 390 or higher out of 500.	www.nhanow.com
NATHA010	Certified Pharmacy Technician (CPhT)	National Healthcareer Association		CAPE Industry Certification	Certified Pharmacy Technicians (CPhT) perform work delegated by licensed pharmacists in accordance with state rules and regulations. A 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.	To be eligible to earn an NHA Certification, candidates 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. Candidates must provide written proof of training or experience and/or documentation of education completion upon request. To earn a Certified Pharmacy Technicians (CPhT) certification, candidates have 2 hours to complete 110 multiple choice questions. Content includes: Regulations and Pharmacy Duties (35 questions), Drug and Drug Therapy (11 questions), and Dispensing Process (54 questions). Candidates must pass with a scaled score of 390 or higher out of 500.	www.nhanow.com
NATHA011	Certified Electronic Health Record Specialist (CEHRS)	National Healthcareer Association		CAPE Industry Certification	A Certified Electronic Health Record Specialist (CEHRS) certification provides students with the skills and knowledge of 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.	To be eligible to earn a NHA Certification, 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. Candidates 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. Candidates 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.	www.nhanow.com

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NCATT001	Aircraft Electronics Technician (AET)	National Center for Aerospace and Transportation Technologies (NCATT)		CAPE Industry Certification	An Avionics Technician deals with the 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. The technician must also be organized in record keeping as each are required to note on forms what is wrong and the particulars about how it was repaired.	The NCATT AET certification examination and certification are open to all technicians regardless of career field, training, education or experience. Technicians testing for this certification must be able to demonstrate competency in 29 areas, some of which include: basic circuit calculations, theory of operation, power supply circuits, frequency sensitive filters, digital numbering systems, hazard/safety practices, corrosion control, etc. The minimum passing grade for the NCATT AET Certification examination is 70 percent.	www.ncatt.org
NCCER005	NCCER Carpentry - Level 1 (Secondary)	National Center for Construction Education & Research (NCCER)		CAPE Industry Certification	Level One certification- Fundamentals	The CORE: Intro. to Craft Skills certification is required for all NCCER trades. In addition, after each module (of each Level) an individual is required to take a written and performance test.	www.nccer.org
NCCER008	NCCER Construction Technology (Secondary)	National Center for Construction Education & Research (NCCER)		CAPE Industry Certification	Site Layout One; Intro. to Concrete and Reinforcing Materials; Handling and Placing Concrete, Intro. to Masonry; Masonry Units and Installation; Floor Systems; Wall and Ceiling Framing; Roof Framing; Roofing Applications; Exterior Finishing; Stairs; Electrical Safety; Wiring: Commercial and Industrial; Intro. to Drain Waste and Vent; Plastic Pipe and Fittings; and Copper Pipe and Fittings.	The CORE: Intro. to Craft Skills certification is required for all NCCER trades. In addition, after each module an individual is required to take a written and performance test.	www.nccer.org
NCCER010	NCCER Electrical - Level 1 (Secondary)	National Center for Construction Education & Research (NCCER)		CAPE Industry Certification	Level One certification: Electrical Safety, Electrical Circuits, Device Boxes, Hand Bending, Electrical Theory, Electrical Test Equipment, Intro. to the National Electrical Code, Raceways, Boxings, and Fittings, Conductors, Intro. to Blueprints, and Wiring.	The CORE: Intro. to Craft Skills certification is required for all NCCER trades. In addition, after each module (of each Level) an individual is required to take a written and performance test.	www.nccer.org
NCCER013	NCCER Electronic Systems Technician - Level 1 (Secondary)	National Center for Construction Education & Research (NCCER)		CAPE Industry Certification	Level One- Intro. to the Trade, Construction Materials and Methods, Pathways and Spaces, Fasteners and Anchors, Job Site Safety, Craft Related Math, Hand Bending of Conduit, and Low Voltage Cabling.	The CORE: Intro. to Craft Skills certification is required for all NCCER trades. In addition, after each module (of each Level) an individual is required to take a written and performance test.	www.nccer.org
NCCER018	NCCER HVAC - Level 1 (Secondary)	National Center for Construction Education & Research (NCCER)		CAPE Industry Certification	Level One- Intro. to HVAC, Trade Mathematics, Copper and Plastic Piping Practices, Soldering and Brazing, Ferrous Metal Piping Practices, Basic Electricity, Intro. to Cooling, Intro to Heating, and Air Distribution Systems.	The CORE: Intro. to Craft Skills certification is required for all NCCER trades. In addition, after each module (of each Level) an individual is required to take a written and performance test.	www.nccer.org
NCCER025	NCCER Masonry - Level 1 (Secondary)	National Center for Construction Education & Research (NCCER)		CAPE Industry Certification	Level One- Intro. to Masonry, Tools and Equipment, Measurements and Drawings, Mortar, Units and Installation.	The CORE: Intro. to Craft Skills certification is required for all NCCER trades. In addition, after each module (of each Level) an individual is required to take a written and performance test.	www.nccer.org
NCCER026	NCCER Plumbing - Level 1 (Secondary)	National Center for Construction Education & Research (NCCER)		CAPE Industry Certification	Level One- Intro to the Plumbing Profession, Plumbing Safety, Plumbing Tools, Intro to Plumbing Math, Intro to Plumbing Drawings, Plastic Pipe and Fittings, Copper Pipe and Fittings, Cast-Iron Pipe and Fittings, Carbon Steel Pipe and Fittings, Corrugated Stainless Steel Tubing, Fixtures and Faucets, Intro to Drain, Waste, and Vent(DWV) Systems, and Intro to Water Distribution Systems.	The CORE: Intro. to Craft Skills certification is required for all NCCER trades. In addition, after each module (of each Level) an individual is required to take a written and performance test.	www.nccer.org
NCCER032	NCCER Carpentry - Level 2 (Secondary)	National Center for Construction Education & Research (NCCER)		CAPE Industry Certification	Level Two certification- Framing and Finishing	The CORE: Intro. to Craft Skills certification is required for all NCCER trades. In addition, after each module (of each Level) an individual is required to take a written and performance test.	www.nccer.org
NCCER033	NCCER Carpentry - Level 3 (Secondary)	National Center for Construction Education & Research (NCCER)		CAPE Industry Certification	Level Three certification - Exterior Finishing, Roofing Applications, Stairs, Drywall, Interior Finish (Doors/ Ceilings).	The CORE: Intro. to Craft Skills certification is required for all NCCER trades. In addition, after each module (of each Level) an individual is required to take a written and performance test.	www.nccer.org
NCCER034	NCCER Carpentry - Level 4 (Secondary)	National Center for Construction Education & Research (NCCER)		CAPE Industry Certification	Level Four certification- Interior Finish, Cabinet Installation, Site Layout, Advanced Roof, Floor, Wall, and Stair Systems, Intro. to Light Equipment, and Welding.	The CORE: Intro. to Craft Skills certification is required for all NCCER trades. In addition, after each module (of each Level) an individual is required to take a written and performance test.	www.nccer.org
NCCER036	NCCER Concrete Finishing - Level 1 (Secondary)	National Center for Construction Education & Research (NCCER)		CAPE Industry Certification	Level One certification: Intro. to Concrete Construction and Finishing, Safety Requirements, Tools and Equipment, Placing Concrete, Finishing, Curing and Protecting, and Intro. to Troubleshooting.	The CORE: Intro. to Craft Skills certification is required for all NCCER trades. In addition, after each module (of each Level) an individual is required to take a written and performance test.	www.nccer.org
NCCER038	NCCER Electrical - Level 2 (Secondary)	National Center for Construction Education & Research (NCCER)		CAPE Industry Certification	Level Two certification: Alternating Current, Motors, Grounding and Bonding, Conduit Bending, Conductor Installations, Cable Tray, Conductor Terminations and Splices, Circuit Breakers/ Fuses, Pull and Junction Boxes, Control Systems, and Electric Lighting.	The CORE: Intro. to Craft Skills certification is required for all NCCER trades. In addition, after each module (of each Level) an individual is required to take a written and performance test.	www.nccer.org
NCCER039	NCCER Electrical - Level 3 (Secondary)	National Center for Construction Education & Research (NCCER)		CAPE Industry Certification	Level Three certification: Load Calculators, Conductor Selection, Practical Applications of Lighting, Transformers, Voice/Data/Video, Commercial Electrical Service, Overcurrent Protection, Lamps and Components, Motor Calculations/ Maintenance and Control and Hazardous Locations.	The CORE: Intro. to Craft Skills certification is required for all NCCER trades. In addition, after each module (of each Level) an individual is required to take a written and performance test.	www.nccer.org
NCCER040	NCCER Electrical - Level 4 (Secondary)	National Center for Construction Education & Research (NCCER)		CAPE Industry Certification	Level Four certification: Load Calculations, Applications of Lighting, Standby and Emergency Systems, Basic Electronic Theory, and more.	The CORE: Intro. to Craft Skills certification is required for all NCCER trades. In addition, after each module (of each Level) an individual is required to take a written and performance test.	www.nccer.org
NCCER041	NCCER Electronic Systems Technician - Level 2 (Secondary)	National Center for Construction Education & Research (NCCER)		CAPE Industry Certification	Level Two- DC / AC Circuits, SemiConductors and Integrated Circuits, Basic Test Equipment, Power Quality and Grounding, Intro. to Electrical Blueprints, Switching Devices and Timers, Wire and Cable Terminations, Intro. to Codes and Standards, Computer Applications, and Advanced Test Equipment.	The CORE: Intro. to Craft Skills certification is required for all NCCER trades. In addition, after each module (of each Level) an individual is required to take a written and performance test.	www.nccer.org
NCCER044	NCCER Masonry - Level 2 (Secondary)	National Center for Construction Education & Research (NCCER)		CAPE Industry Certification	Level Two- Residential Plans and Drawing Interpretation, Grout and Other Reinforcement, Metal Work in Masonry, Advanced Laying Techniques, Construction Techniques and Moisture Control, Inspection and Quality Control.	The CORE: Intro. to Craft Skills certification is required for all NCCER trades. In addition, after each module (of each Level) an individual is required to take a written and performance test.	www.nccer.org
NCCER045	NCCER Masonry - Level 3 (Secondary)	National Center for Construction Education & Research (NCCER)		CAPE Industry Certification	Level Three- High Rise Construction, Repair and Restoration, Commercial Drawings, Estimating, and Project Planning and Supervision.	The CORE: Intro. to Craft Skills certification is required for all NCCER trades. In addition, after each module (of each Level) an individual is required to take a written and performance test.	www.nccer.org
NCCER046	NCCER Painting - Level 1 (Secondary)	National Center for Construction Education & Research (NCCER)		CAPE Industry Certification	Level One certification- Careers in the Painting Trade, Safety, Protecting Surfaces, Sealants and Repairs, Paints and Coatings, etc.	The CORE: Intro. to Craft Skills certification is required for all NCCER trades. In addition, after each module (of each Level) an individual is required to take a written and performance test.	www.nccer.org
NCCER047	NCCER Painting - Level 2 (Secondary)	National Center for Construction Education & Research (NCCER)		CAPE Industry Certification	Level Two certification- Job Planning and Completion, Chemical Cleaning and Stripping, Abrasive Blasting, Drywall Finishing, Stains, and Clear Finishes.	The CORE: Intro. to Craft Skills certification is required for all NCCER trades. In addition, after each module (of each Level) an individual is required to take a written and performance test.	www.nccer.org
NCCER048	NCCER Painting - Level 3 (Secondary)	National Center for Construction Education & Research (NCCER)		CAPE Industry Certification	Level Three certification- Coatings III, Color and Tinting, Decorative Finishes, Wall covering, Graphics, Texturing, etc.	The CORE: Intro. to Craft Skills certification is required for all NCCER trades. In addition, after each module (of each Level) an individual is required to take a written and performance test.	www.nccer.org
NCCER061	NCCER Welding - Level 1 (Secondary)	National Center for Construction Education & Research (NCCER)		CAPE Industry Certification	Level One- Welding Safety, Oxyfuel Cutting, Base Cutting Preparation, Weld Quality, Groove Welds, Open Root Pipes, Joint Fit-Up and Alignment.	The CORE: Intro. to Craft Skills certification is required for all NCCER trades. In addition, after each module (of each Level) an individual is required to take a written and performance test.	www.nccer.org
NCCER062	NCCER Welding - Level 2 (Secondary)	National Center for Construction Education & Research (NCCER)		CAPE Industry Certification	Level Two- Welding Symbols, Reading Detail Drawings, Stainless Steel Groove and Pipe, Air Carbon Arc Cutting, Plasma Arc Cutting, Equipment and Filler Metals, and Plates.	The CORE: Intro. to Craft Skills certification is required for all NCCER trades. In addition, after each module (of each Level) an individual is required to take a written and performance test.	www.nccer.org

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NCCER069	NCCER Plumbing - Level 2 (Secondary)	National Center for Construction Education & Research (NCCER)		CAPE Industry Certification	Level Two- Plumbing Math Two, Reading Commercial Drawings, Hangers, Supports, Structural Penetrations, and Fire Stopping, Installing and Testing DWV Piping, Installing Roof, Floor, and Area Drains, Types of Valves, Installing and Testing Water Supply Piping, Installing Fixtures, Valves, and Faucets, Intro to Electricity, Installing Water Heaters, Fuel Gas Systems, and Servicing of Fixtures, Valves, and Faucets.	The CORE: Intro. to Craft Skills certification is required for all NCCER trades. In addition, after each module (of each Level) an individual is required to take a written and performance test.	www.nccer.org
NCCER070	NCCER Plumbing - Level 3 (Secondary)	National Center for Construction Education & Research (NCCER)		CAPE Industry Certification	Level Three- Applied Math, Sizing Water Supply Piping, Potable Water Treatment, Backflow Preventers, Types of Venting, Sizing DWV and Storm Systems, Sewage Pumps and Sump Pumps, Corrosive-Resistant Waster Piping, and Compressed Air.	The CORE: Intro. to Craft Skills certification is required for all NCCER trades. In addition, after each module (of each Level) an individual is required to take a written and performance test.	www.nccer.org
NCCER071	NCCER Plumbing - Level 4 (Secondary)	National Center for Construction Education & Research (NCCER)		CAPE Industry Certification	Level Four- Business Principles for Plumbers, Introductory Skills for the Crew Leader, Water Pressure Booster and Recirculation Systems, Indirect and Special Waste, Hydronic and Solar Heating Systems, Codes, Servicing Piping Systems, Fixtures, and Appliances, Private Water Supply Well Systems, Private Waste Disposal Systems, Swimming Pools and Hot Tubs, and Plumbing for Mobile Home and Travel Trailer Parks.	The CORE: Intro. to Craft Skills certification is required for all NCCER trades. In addition, after each module (of each Level) an individual is required to take a written and performance test.	www.nccer.org
NCCER081	NCCER HVAC - Level 2 (Secondary)	National Center for Construction Education & Research (NCCER)		CAPE Industry Certification	Level Two- Commercial Airside Systems, Chimneys, Vents, and Flues, Intro. to the Hydronic Systems, Air Quality Equipment, Leak Detection, Evacuation, Recovery and Charging, Alternating Current, Basic Electronics, Intro. to Control Circuit Troubleshooting, Troubleshooting Gas Heating, Troubleshooting Cooling, Heat Pumps, Basic Installation and Maintenance Practices, Sheet Metal Duct Systems, and Fiberglass and Flexible Duct Systems.	The CORE: Intro. to Craft Skills certification is required for all NCCER trades. In addition, after each module (of each Level) an individual is required to take a written and performance test. Examinees must pass each module with a 70% or higher.	www.nccer.org
NCCER082	NCCER HVAC - Level 3 (Secondary)	National Center for Construction Education & Research (NCCER)		CAPE Industry Certification	Level Three- Planned Maintenance, Troubleshooting Gas Heating, Troubleshooting Electric Heating, Troubleshooting Oil Heating, Troubleshooting Cooling, Troubleshooting Heat Pumps, Troubleshooting Accessories, Troubleshooting Electronic Controls, Hydronic Heating and Cooling Systems, Airside Systems, and Air Properties and Air System Balancing.	The CORE: Intro. to Craft Skills certification is required for all NCCER trades. In addition, after each module (of each Level) an individual is required to take a written and performance test.	www.nccer.org
NCCER083	NCCER HVAC - Level 4 (Secondary)	National Center for Construction Education & Research (NCCER)		CAPE Industry Certification	Level Four- Construction Drawings and Specifications, Indoor Air Quality, Energy Conservation Equipment, Building Management Systems, Water Treatment, System Startup and Shutdown, Heating and Cooling System Design, and Commercial and Industrial Refrigeration.	The CORE: Intro. to Craft Skills certification is required for all NCCER trades. In addition, after each module (of each Level) an individual is required to take a written and performance test.	www.nccer.org
NCCER084	NCCER Industrial Maintenance - Mechanic Level 1 (Secondary)	National Center for Construction Education & Research (NCCER)	New	CAPE Industry Certification	Level One- Basic Safety, Introduction to Construction Math, Introduction to Power Tools, Basic Rigging, Testing Piping Systems and Equipment, Basic Layout, Field Sketching, Prealignment for Drilling and Tapping, Structural Ironworking: One, Lubrication, Piping Systems, Gaskets and Packing, Maintaining Valves, Identifying and Installing Valves, Steam Traps, Steam Systems, Drawings and Symbols, Oxyfuel Cutting, Pipe Hangers and Support, Fasteners, Boiler Pressure Components, Boiler Nonpressure Components, Boiler Auxiliaries, Towers and Exchangers, Planning Work Activities.	The CORE: Intro. to Craft Skills certification is required for all NCCER trades. In addition, after each module (of each Level) an individual is required to take a written and performance test.	www.nccer.org
NCCER085	NCCER Industrial Maintenance - Mechanic Level 2 (Secondary)	National Center for Construction Education & Research (NCCER)	New	CAPE Industry Certification	Level Two- Basic Layout, Introduction to Piping Components, Copper and Plastic Piping Practices, Introduction to Ferrous Metal Piping Practices, Identifying, Installing and Maintaining Valves, Hydrostatic & Pneumatic Testing , Introduction to Bearings Low-Pressure Steam Systems, High Pressure Steam Systems and Auxiliaries, Distillation Towers and Vessels, Heaters, Furnaces, Heat Exchangers, Cooling Towers, and Fin Fans Introduction to Tube Work.	The CORE: Intro. to Craft Skills certification is required for all NCCER trades. In addition, after each module (of each Level) an individual is required to take a written and performance test.	www.nccer.org
NCCER086	NCCER Industrial Maintenance - Mechanic Level 3 (Secondary)	National Center for Construction Education & Research (NCCER)	New	CAPE Industry Certification	Level Three- Advanced Trade Math, Precision Measuring Tools, Installing Bearings Installing Couplings, Setting Baseplates and Prealignment, Conventional Alignment Installing Belt and Chain Drives, Installing Mechanical Seals.	The CORE: Intro. to Craft Skills certification is required for all NCCER trades. In addition, after each module (of each Level) an individual is required to take a written and performance test.	www.nccer.org
NIASE002	ASE Master Automobile Technician	National Institute for Automotive Service Excellence		CAPE Industry Certification	To identify and recognize 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.	The ASE Automobile/Light Truck Test Series includes eight certification exams: Engine Repair, Automatic Transmission/Transaxle, Manual Drive Train and Axles, Suspension and Steering, Brakes, Electrical/Electronic Systems, Heating and Air Conditioning, and Engine Performance.	www.ase.com
NIASE003	ASE Master Medium/Heavy Truck Technician	National Institute for Automotive Service Excellence		CAPE Industry Certification	The ASE Medium/Heavy Truck Test Series includes eight certification exams: Gasoline Engines, Diesel Engines, Drive Train, Brakes, Suspension and Steering, Electrical/ Electronic Systems, Heating, Ventilation, and Air Conditioning (HVAC), and Preventive Maintenance Inspection (PMI).	To become ASE certified, technicians must pass one or more of the Medium/Heavy Truck exams and present proof of at least two years of relevant work experience. Those who pass the Diesel Engines, Drive Train, Brakes, Suspension and Steering, Electrical/ Electronic Systems and HVAC tests, become ASE-certified Master Medium/Heavy Truck Technicians.	www.ase.com
NIASE005	ASE - Automatic Transmission/Transaxle (A2)	National Institute for Automotive Service Excellence		CAPE Industry Certification	Successfully passing test A2 will certify an individual in Automatic Transmission/ Transaxle.	To become ASE certified, technicians must pass one or more of the Automobile exams and present proof of at least two years of relevant work experience. Those who pass all eight exams are recognized as ASE-certified Master Automobile Technicians. Technicians may substitute two years of relevant formal training for up to one year of the work experience requirement.	www.ase.com
NIASE007	ASE - Brakes (A5)	National Institute for Automotive Service Excellence		CAPE Industry Certification	Successfully passing Test A5 will certify an individual in automobile brakes.	To become ASE certified, technicians must pass one or more of the Automobile exams and present proof of at least two years of relevant work experience. Those who pass all eight exams are recognized as ASE-certified Master Automobile Technicians. Technicians may substitute two years of relevant formal training for up to one year of the work experience requirement.	www.ase.com
NIASE008	ASE - Electrical/Electronic Systems (A6)	National Institute for Automotive Service Excellence		CAPE Industry Certification	Successfully passing test A6 will certify an individual in electrical/electronic systems.	To become ASE certified, technicians must pass one or more of the Automobile exams and present proof of at least two years of relevant work experience. Those who pass all eight exams are recognized as ASE-certified Master Automobile Technicians. Technicians may substitute two years of relevant formal training for up to one year of the work experience requirement.	www.ase.com
NIASE009	ASE - Engine Performance (A8)	National Institute for Automotive Service Excellence		CAPE Industry Certification	Successfully passing test A8 will certify an individual in engine performance.	To become ASE certified, technicians must pass one or more of the Automobile exams and present proof of at least two years of relevant work experience. Those who pass all eight exams are recognized as ASE-certified Master Automobile Technicians. Technicians may substitute two years of relevant formal training for up to one year of the work experience requirement.	www.ase.com
NIASE010	ASE - Engine Repair (A1)	National Institute for Automotive Service Excellence		CAPE Industry Certification	Successfully passing test A1 will certify an individual in Engine Repair.	To become ASE certified, technicians must pass the Engine Repair (A1) exam and present proof of at least two years of relevant work experience. The test is made up of 50 multiple-choice questions. The questions on this test are designed to test the skills that automobile and light truck technicians need to know in order to be effective in their profession. Testing sessions are 4 hours 15 minutes each in duration. Those who pass all eight exams are recognized as ASE-certified Master Automobile Technicians. Technicians may substitute two years of relevant formal training for up to one year of the work experience requirement.	www.ase.com

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NIASE011	ASE - Heating and Air Conditioning (A7)	National Institute for Automotive Service Excellence		CAPE Industry Certification	Successfully passing test A7 will certify an individual in heating and air conditioning.	To become ASE certified, technicians must pass one or more of the Automobile exams and present proof of at least two years of relevant work experience. Those who pass all eight exams are recognized as ASE-certified Master Automobile Technicians. Technicians may substitute two years of relevant formal training for up to one year of the work experience requirement.	www.ase.com
NIASE012	ASE - Manual Drive Train and Axles (A3)	National Institute for Automotive Service Excellence		CAPE Industry Certification	Successfully passing test A3 will certify an individual in manual drive train and axles.	To become ASE certified, technicians must pass one or more of the Automobile exams and present proof of at least two years of relevant work experience. Those who pass all eight exams are recognized as ASE-certified Master Automobile Technicians. Technicians may substitute two years of relevant formal training for up to one year of the work experience requirement.	www.ase.com
NIASE013	ASE Automobile Service Consultant (C1)	National Institute for Automotive Service Excellence		CAPE Industry Certification	The Automobile Service Consultant Test contains questions on communications, customer and internal relations, vehicle systems knowledge, sales skills, and shop operations.	To become ASE certified, service consultants must pass the Service Consultant exam and show proof of two years of on-the-job work experience as a service consultant. The scored portion of the test consists of 50 multiple-choice questions that address various content areas. Testing sessions are 4 hours 15 minutes each in duration.	www.ase.com
NIASE014	ASE - Suspension and Steering (A4)	National Institute for Automotive Service Excellence		CAPE Industry Certification	Successfully passing Test A4 will certify an individual in automobile suspension and steering.	To become ASE certified, technicians must pass one or more of the Automobile exams and present proof of at least two years of relevant work experience. Those who pass all eight exams are recognized as ASE-certified Master Automobile Technicians. Technicians may substitute two years of relevant formal training for up to one year of the work experience requirement.	www.ase.com
NIASE016	ASE - Brakes (T4)	National Institute for Automotive Service Excellence		CAPE Industry Certification	Air Brakes Diagnosis and Repair; Hydraulic Brakes Diagnosis and Repair; Air and Hydraulic Antilock Brake Systems; and Wheel Bearings Diagnosis and Repair.	Each certification test is made up of between forty and sixty-five multiple choice questions. The testing sessions are 4 hours and 15 minutes. The types of knowledge and skills needed to pass the tests are as follows: Basic technical knowledge; Service or repair knowledge and skill; and Testing and diagnostic knowledge and skill.	www.ase.com
NIASE017	ASE - Mechanical and Electrical Components (B5)	National Institute for Automotive Service Excellence	New	CAPE Industry Certification	This certification recognizes those collision repair technicians and refinishers who possess knowledge/ skills in the following: Suspension and steering; Electrical; Brakes; Heating and Air Conditioning; Engine Cooling Systems; Drive Train; Fuel, Intake, and Exhaust systems; and Restraint systems.	Successfully passing test B5 will certify an individual in Electrical/ Mechanical Components. To become ASE certified, technicians must pass one or more of the Collision Repair exams and present proof of two years of relevant work experience. Those who pass the three collision repair tests plus the painting and refinishing test become ASE certified Master Collision Repair/Refinishing technicians.	www.ase.com
NIASE018	ASE - Non-structural Analysis and Damage Repair (B3)	National Institute for Automotive Service Excellence	New	CAPE Industry Certification	ASE voluntary certification is a means through which technicians and estimators can prove their abilities to themselves, to their employers, and to their customers. By passing ASE tests candidates will earn the most valuable credential available to collision repair technicians and estimators.	This test is one of a series of five tests related to automotive collision repairs and refinishing. There are four tests for technicians and one for estimators. Each test is made up of 50 to 55 multiple-choice questions. This particular test (B3) measures the examinees ability to analyze and repair non-structural damaged automotive components. Testing sessions are 1 to two hours long for each exam. In order to pass this test the student must demonstrate basic technical knowledge, service and repair knowledge and skill, and diagnostic and testing knowledge related to: Preparation; Outer body panel repairs, replacements and adjustments; Metal finishing and body filling; Glass and hardware; Welding, cutting and removal; and Plastic repair.	www.ase.com
NIASE019	ASE - Damage Analysis and Estimating (B6)	National Institute for Automotive Service Excellence		CAPE Industry Certification	The ASE Damage Analysis and Estimating (B6) certification is specially constructed and intended for those professionals who may not actually repair vehicles, but have the special knowledge needed to assess collision damage, estimate repair costs, and work with vehicle owners.	To become ASE certified, estimators must pass the B6 exam and present proof of two years of relevant work experience. The experience presented must be related to damage analysis and estimating, not hands-on collision repair. Estimators may substitute two years of relevant formal training for up to one year of the work experience requirement.	www.ase.com
NIASE020	ASE - Diesel Engines (T2)	National Institute for Automotive Service Excellence		CAPE Industry Certification	General Engine Diagnosis; Cylinder Head and Valve Train Diagnosis and Repair; Engine Block Diagnosis and Repair; Lubrication and Cooling Systems Diagnosis and Repair; Air Induction and Exhaust Systems Diagnosis and Repair; Fuel System Diagnosis and Repair; Starting and Charging System Diagnosis and Repair; and Engine Brakes.	Each certification test is made up of between forty and sixty-five multiple choice questions. The testing sessions are 4 hours and 15 minutes. The types of knowledge and skills needed to pass the tests are as follows: Basic technical knowledge; Service or repair knowledge and skill; and Testing and diagnostic knowledge and skill.	www.ase.com
NIASE021	ASE - Drive Train (T3)	National Institute for Automotive Service Excellence		CAPE Industry Certification	Clutch Diagnosis and Repair; Transmission Diagnosis and Repair; Driveshaft and Universal Joint Diagnosis and Repair; and Drive Axle Diagnosis and Repair.	Each certification test is made up of between forty and sixty-five multiple choice questions. The testing sessions are 4 hours and 15 minutes. The types of knowledge and skills needed to pass the tests are as follows: Basic technical knowledge; Service or repair knowledge and skill; and Testing and diagnostic knowledge and skill.	www.ase.com
NIASE023	ASE - Electrical/Electronic Systems (T6)	National Institute for Automotive Service Excellence		CAPE Industry Certification	General Electrical Diagnosis; Battery Diagnosis and Repair; Starting System Diagnosis and Repair; Charging System Diagnosis and Repair; Lighting Systems Diagnosis and Repair; Gauges and Warning Devices Diagnosis and Repair; and Related Systems.	Each certification test is made up of between forty and sixty-five multiple choice questions. The testing sessions are 4 hours and 15 minutes. The types of knowledge and skills needed to pass the tests are as follows: Basic technical knowledge; Service or repair knowledge and skill; and Testing and diagnostic knowledge and skill.	www.ase.com
NIASE025	ASE - Gasoline Engines (T1)	National Institute for Automotive Service Excellence		CAPE Industry Certification	General Engine Diagnosis; Cylinder Head and Valve Train Diagnosis and Repair; Engine Block Diagnosis and Repair; Lubrication and Cooling Systems Diagnosis and Repair; Ignition System Diagnosis and Repair; Fuel and Exhaust Systems Diagnosis and Repair; Battery, Starting and Charging Systems Diagnosis and Repair; Emissions Control System Diagnosis and Repair; and Computerized Engine Controls Diagnosis and Repair.	Each certification test is made up of between forty and sixty-five multiple choice questions. The testing sessions are 4 hours and 15 minutes. The types of knowledge and skills needed to pass the tests are as follows: Basic technical knowledge; Service or repair knowledge and skill; and Testing and diagnostic knowledge and skill.	www.ase.com
NIASE026	ASE - Heating, Ventilation, and A/C (HVAC) (T7)	National Institute for Automotive Service Excellence		CAPE Industry Certification	HVAC Systems Diagnosis, Service, and Repair; A/C System and Component Diagnosis, Service, and Repair; Heating and Engine Cooling Systems Diagnosis, Service, and Repair; Operating Systems and Related Controls Diagnosis and Repair; and Refrigerant Recovery, Recycling, Handling, and Retrofit.	Each certification test is made up of between forty and sixty-five multiple choice questions. The testing sessions are 4 hours and 15 minutes. The types of knowledge and skills needed to pass the tests are as follows: Basic technical knowledge; Service or repair knowledge and skill; and Testing and diagnostic knowledge and skill.	www.ase.com
NIASE029	ASE - Painting and Refinishing (B2)	National Institute for Automotive Service Excellence	New	CAPE Industry Certification	This certification recognize those Collision Repair Technicians and Refinishers who possess knowledge of the skills necessary to properly analyze and repair automotive collision damage and correct paint finish damage.	Successfully passing test Panting and Refinishing (B2) will certify an individual in Painting and Refinishing. To become ASE certified, technicians must pass one or more of the Collision Repair exams and present proof of two years of relevant work experience. The test is made up of 55 multiple choice questions. In order to pass the test students must demonstrate knowledge and skills related to: Surface preparation; Spray gun operation and related equipment; Paint mixing, matching and applying; Solving paint application problems; Finish defects, causes and cures; and Safety precautions	www.ase.com
NIASE031	ASE - Preventive Maintenance Inspection (PMI) (T8)	National Institute for Automotive Service Excellence		CAPE Industry Certification	Engine Systems; Cab and Hood; Electrical/Electronics; Frame and Chassis; and Road/Operational Test.	To become ASE certified, technicians must pass one or more of the Medium/Heavy Truck exams and present proof of at least two years of relevant work experience.	www.ase.com

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NIASE032	ASE - Structural Analysis and Damage Repair (B4)	National Institute for Automotive Service Excellence	New	CAPE Industry Certification	ASE voluntary certification is a means through which technicians and estimators can prove their abilities to themselves, to their employers, and to their customers. By passing ASE tests candidates will earn the most valuable credential available to collision repair technicians and estimators.	This test is one of a series of five tests related to automotive collision repairs and refinishing. There are four tests for technicians and one for estimators. Each test is made up of 50 to 55 multiple-choice questions. This particular test (B4) measures the examinees ability to analyze and repair automotive structural damage. Testing sessions are 1 to 2 hours in duration. In order to pass this test the student must demonstrate basic technical knowledge, service and repair knowledge and skill, and diagnostic and testing knowledge related to: Frame inspection and repair; Unibody inspection, measurement and repair; Stationary glass; and Metal welding and cutting.	www.ase.com
NIASE033	ASE - Suspension and Steering (T5)	National Institute for Automotive Service Excellence		CAPE Industry Certification	Steering System Diagnosis and Repair; Suspension System Diagnosis and Repair; Wheel Alignment Diagnosis, Adjustment, and Repair; Wheels and Tires Diagnosis and Repair; and Frame Service and Repair.	Each certification test is made up of between forty and sixty-five multiple choice questions. The testing sessions are 4 hours and 15 minutes. The types of knowledge and skills needed to pass the tests are as follows: Basic technical knowledge; Service or repair knowledge and skill; and Testing and diagnostic knowledge and skill.	www.ase.com
NIASE076	ASE - Auto Maintenance and Light Repair (G1)	National Institute for Automotive Service Excellence		CAPE Industry Certification	Auto Maintenance & Light Repair certification is somewhat different from the other ASE certifications. It will also have a unique, smaller shoulder patch. However, like all other ASE certifications, the credential will be valid for five years and will be available through the more than 400 ASE testing locations across the country. The new 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.	To become ASE certified, estimators must pass the G1 exam consisting of 55 scored questions and present proof of one year of relevant work experience. The new test will have a one year requirement of hands-on work experience in maintenance and light repair to qualify, and half of that requirement may be met by appropriate vocational training.	www.ase.com
NIFMS001	NIMS Machining Level I - CNC Milling: Programming Setup & Operations	National Institute for Metalworking Skills (NIMS)		CAPE Industry Certification	The National Institute for Metalworking Skills (NIMS) is the nation's only ANSI accredited developer of precision manufacturing skill standards and competency assessments. NIMS certifies individual skills against standards and accredits programs that meet its quality requirements. Milling machines can perform a vast number of operations, from simple (e.g., slot and keyway cutting, planning, drilling) to complex (e.g., contouring, diesinking). This certification is part of the NIMS Standard Machining Level I.	NIMS certifications require both performance and theory exams. The performance will be the manufacturing of a part, the set-up and operation of a machine or the writing of a program that will manufacture a specific part. Examinees must first complete a performance affidavit, and Credentialing Achievement Records (CARs) before they are eligible to take the online theory exam.	www.nims-skills.org
NIFMS002	NIMS Machining Level I - CNC Turning: Programming Setup & Operations	National Institute for Metalworking Skills (NIMS)		CAPE Industry Certification	The National Institute for Metalworking Skills (NIMS) is the nation's only ANSI accredited developer of precision manufacturing skill standards and competency assessments. NIMS certifies individual skills against standards and accredits programs that meet its quality requirements. This certification is part of the NIMS Standard Machining Level II.	NIMS certifications require both performance and theory exams. The performance will be the manufacturing of a part, the set-up and operation of a machine or the writing of a program that will manufacture a specific part. Examinees must first complete a performance affidavit, and Credentialing Achievement Records (CARs) before they are eligible to take the online theory exam.	www.nims-skills.org
NIFMS007	NIMS Machining Level II - Manual Milling	National Institute for Metalworking Skills (NIMS)		CAPE Industry Certification	The National Institute for Metalworking Skills (NIMS) is the nation's only ANSI accredited developer of precision manufacturing skill standards and competency assessments. NIMS certifies individual skills against standards and accredits programs that meet its quality requirements. This certification is part of the NIMS Standard Machining Level II.	NIMS certifications require both performance and theory exams. The performance will be the manufacturing of a part, the set-up and operation of a machine or the writing of a program that will manufacture a specific part. Examinees must first complete a performance affidavit, and Credentialing Achievement Records (CARs) before they are eligible to take the online theory exam.	www.nims-skills.org
NIFMS008	NIMS Machining Level I - Turning Operations: Turning Between Centers	National Institute for Metalworking Skills (NIMS)		CAPE Industry Certification	The National Institute for Metalworking Skills (NIMS) is the nation's only ANSI accredited developer of precision manufacturing skill standards and competency assessments. NIMS certifies individual skills against standards and accredits programs that meet its quality requirements. This certification is part of the NIMS Standard Machining Level II.	NIMS certifications require both performance and theory exams. The performance will be the manufacturing of a part, the set-up and operation of a machine or the writing of a program that will manufacture a specific part. Examinees must first complete a performance affidavit, and Credentialing Achievement Records (CARs) before they are eligible to take the online theory exam.	www.nims-skills.org
NIFMS010	NIMS Machining Level I - Turning Operations: Turning Chucking Skills	National Institute for Metalworking Skills (NIMS)		CAPE Industry Certification	The National Institute for Metalworking Skills (NIMS) is the nation's only ANSI accredited developer of precision manufacturing skill standards and competency assessments. NIMS certifies individual skills against standards and accredits programs that meet its quality requirements. This certification is part of the NIMS Standard Machining Level II.	NIMS certifications require both performance and theory exams. The performance will be the manufacturing of a part, the set-up and operation of a machine or the writing of a program that will manufacture a specific part. Examinees must first complete a performance affidavit, and Credentialing Achievement Records (CARs) before they are eligible to take the online theory exam.	www.nims-skills.org
NIFMS012	NIMS Machining Level II - Grinding Skills II	National Institute for Metalworking Skills (NIMS)		CAPE Industry Certification	The National Institute for Metalworking Skills (NIMS) is the nation's only ANSI accredited developer of precision manufacturing skill standards and competency assessments. NIMS certifies individual skills against standards and accredits programs that meet its quality requirements. This certification is part of the NIMS Standard Machining Level II.	NIMS certifications require both performance and theory exams. The performance will be the manufacturing of a part, the set-up and operation of a machine or the writing of a program that will manufacture a specific part. Examinees must first complete a performance affidavit, and Credentialing Achievement Records (CARs) before they are eligible to take the online theory exam.	www.nims-skills.org
NIFMS013	NIMS Machining Level I - Drill Press Skills I	National Institute for Metalworking Skills (NIMS)	New	CAPE Industry Certification	The NIMS credential is the metalworking industry's only skills certificate that is based on national standards developed under procedures accredited by the American National Standards Institute. The NIMS credential is used by the industry to recruit, hire, place and promote. Firms use the credential to identify skilled candidates at all levels of employment. The NIMS credential is used by education and training institutions as performance benchmarks, often as part of graduation or degree requirements, and often as the basis for advanced credit.	The assessments are standards based; i.e., they are drawn from the NIMS national metalworking standards. Both performance and theory assessments are developed by the industry and piloted in the industry. NIMS certifications require both performance and theory exams. The performance will be the manufacturing of a part, the set-up and operation of a machine or the writing of a program that will manufacture a specific part.	www.nims-skills.org
NINSC001	Certified LabVIEW Associate Developer (CLAD)	National Instruments Corporation		CAPE Industry Certification	The Associate Developer- is the first step in the certification process for professionals; entry level certification for students; and represents a broad and complete understanding of the core features of the NI products. This certification is designed for professionals and students 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.	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 student must also pass the LabView Associate Developer exam.	www.ni.com/training
NRAEF001	Foodservice Management Professional (FMP)	National Restaurant Association Educational Foundation		CAPE Industry Certification	The Foodservice Management Professional (FMP) credential distinguishes restaurant and foodservice managers who achieve the high level of knowledge, experience, leadership and professionalism our industry most desires. For this reason, more employers prefer candidates who hold the FMP credential.	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. The examination must meet the intent and scope of the Food Protection Manager Certification Program standards and criteria as established through the Conference for Food Protection (e.g., ServSafe Food Protection Manager Certification Examination).	www.nraef.org

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NRAEF002	National ProStart Certificate of Achievement	National Restaurant Association Educational Foundation		CAPE Industry Certification	The National Restaurant Association Educational Foundation (NRAEF) certification programs offer a professional credential achieved through completion of an in-depth course of study in the areas identified as crucial to performing a job. This may also include on-the job experience related to the course of study.	Individuals must complete year one and two of the industry-based ProStart sponsored culinary curriculum; and pass the end-of-year ProStart program examination. The ProStart program uses a comprehensive curriculum. The curriculum is a two year program that provides instruction in 25 subject areas, ranging from basic food preparation, accounting and cost control, to sanitation and workplace safety. The classroom comes alive with job-relevant lessons, and the workplace provides hands-on learning and training. A formal evaluation by a third party verifies the accuracy and completeness of the NRAEF's certification examinations and approves the accreditation of the NRAEF's certification programs. The third party also verifies the examination's validity and reliability.	www.nraef.org
NRAEF003	Certified Food Protection Manager (ServSafe®)	National Restaurant Association Educational Foundation		CAPE Industry Certification	Florida Statute 509.039 requires certification of all food service managers who are responsible for the storage, preparation, display, or serving foods to the public. ServSafe training covers critical principles including personal hygiene, cross contamination, time and temperature, receiving and storage, food safety management systems, training hourly employees, sanitation, the flow of food through the operation, and sanitary facilities and pest management.	After completing classroom or online training, students must successfully pass a Food Manager Certification examination.	www.nraef.org
NREMT001	Emergency Medical Technician (EMT)	National Registry of Emergency Medical Technicians		CAPE Industry Certification	An emergency medical technician is a person 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.	National EMT certification requires successful completion of both a cognitive and psychomotor exam. Passed portions of the exam (both cognitive and psychomotor) remain valid for a twelve (12) month period. Cognitive Exam is an online computer adaptive test (CAT). The exam questions range from 70 to 120 with a maximum allowed time of 2 hours. Cognitive exam covers: Airway, Ventilation, Oxygenation; Trauma; Cardiology; Medical; and EMS Operations. Effective January 1, 2012 the following additional content may be included on the Cognitive Exam: Pulse oximetry; ATV; Humidified oxygen; Partial rebreather mask, simple face mask, Venturi mask, tracheostomy mask; Mechanical CPR device; Hemorrhage control (direct/tourniquet); Oral aspirin; Assisting patients w/self medication. Items related to patient care are focused on adult patients (85%) and pediatric patients (15%). In order to pass the exam, a candidate must meet a standard level of competency. The passing standard is defined by the ability to provide safe and effective entry level emergency medical care. Psychomotor Exam- A candidate must demonstrate competence in the following skills during your course: Patient assessment/mgmt of a trauma patient; Patient assessment/mgmt of a medical patient; Cardiac arrest management/AED; Bag-valve-mask ventilation of an apneic patient; Spinal immobilization (both seated and supine patient); Long bone fracture immobilization; Joint dislocation immobilization; Traction splinting; Bleeding control/shock management; Upper airway adjuncts and suction; Mouth-to-mouth ventilation with supplemental oxygen; and Supplemental oxygen administration to a breathing patient.	www.nremt.org
NREMT003	Emergency Medical Responder (EMR)	National Registry of Emergency Medical Technicians	New	CAPE Industry Certification	Emergency medical responders are people who are specially trained to provide out-of-hospital care in medical emergencies.

There are important functional differences between certification and licensure. Certification is a voluntary process by a private organization to provide public information. Licensure, on the other hand, is the state's grant of legal authority, pursuant to the state's police powers, to practice a profession within a designated scope of practice. | National First Responder / EMR certification requires successful completion of both a cognitive (knowledge) and psychomotor (performance) exam. The passed portion of the cognitive examination remains valid for 12 months and the psychomotor examination remains valid for 24 months (beginning 1/1/2012 EMR psychomotor exams will only be valid for 12 months). Cognitive Exam is an online computer adaptive test (CAT). The exam questions range from 80 to 110 with a maximum allowed time of 1 hour and 45 minutes. Cognitive exam covers: Airway, Ventilation, Oxygenation; Trauma; Cardiology; Medical; and EMS Operations. Items related to patient care are focused on adult patients (85%) and pediatric patients (15%). In order to pass the exam, individuals must meet a standard level of competency. The passing standard is defined by the ability to provide safe and effective entry level emergency medical care. Effective January 1, 2012 the following additional content may be included on the Cognitive Exam: Oxygen administration; Nasopharyngeal airway; Manual BP; AED; Eye irrigation; Autoinjectors for self or peer rescue; Hemorrhage control (direct pressure). Psychomotor Exam provides a hands-on opportunity for a candidate to demonstrate the skills learned. A candidate should speak with an instructor or state EMS Office about the format and logistics of completing a state-approved First Responder / EMR psychomotor exam. | www.nremt.org |
| NRFSP001 | Certified Food Safety Manager | National Registry of Food Safety Professionals | New | CAPE Industry Certification | The purpose of the Certified Food Safety Manager certification program is to establish food safety standards so that individuals are able to demonstrate that their knowledge and skills meet measurable and specified food safety standards adopted by the Conference for Food Protection to protect the public from foodborne illnesses. The Certified Food Safety Manager examination is accredited by the American National Standards Institute under standards established by the Conference for Food Protection. That accreditation makes National Registry's exam acceptable in all states and jurisdictions that recognize those standards set by ANSI and CFP, and is an assurance of quality in the development and maintenance of the exams.

The content of the 80 multiple choice question exam can be viewed at http://www.nrfsp.com/exam_content. A score of 75% or higher is required to pass. | There are two ways to take the exam: Self-study package. This package includes an Essentials of Food Safety and Sanitation book and a voucher to take the exam at a Pearson VUE computer test site. Trainer Referral. Take advantage of National Registry's national network of trainers and test administrators (locations of testing sites are available at http://www.nrfsp.com/student/locator_search.php. Candidates can also email National Registry at customer.service@nrfsp.com or call Customer Service at 1-800-446-0257 for assistance. The exam is available in the following languages: English, Spanish, Korean, Vietnamese, modern and traditional Chinese, Arabic, and Japanese. | www.nrfsp.com/ |
| ORACL001 | Oracle Certified Associate (OCA): Database | Oracle Corporation | | CAPE Industry Certification | Oracle Database extends Oracle's unique ability to deliver the benefits of grid computing with more self-management and automation. This certification combines training, experience, and testing to ensure that an individual has a strong foundation and expertise in the industry's most advanced database management system. | Introduction to Oracle9i: SQL 1Z0-007 exam; Oracle Database 11g: SQL Fundamentals I 1Z0-051 or Oracle Database SQL Expert 1Z0-047 exam (one of the three is required). In addition the Oracle Database 11g: Administration I 1Z0-052 exam is required. | www.oracle.com |
| 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. This certification provides a solid foundation on which to base continued learning. | To achieve this certification, candidates must successfully pass a single exam specific to the Java version. The Java SE5/SE 6 exam (1Z0-850) requires examinees to complete 51 questions in 115 minutes. The Java SE7 exam (1Z0-803) requires examinees to complete 90 questions in 150 minutes. The pass score for the exam is specific to the version of the exam and is set at the time of release. | www.oracle.com |

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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.	To achieve this certification, candidates must successfully pass a single exam specific to the Java version. The OCP Java SE5 exam (1Z0-853) requires examinees to complete 60 questions in 150 minutes. The OCP Java SE6 exam (1Z0-851) requires examinees to complete 60 questions in 150 minutes. The OCP Java SE7 exam (1Z0-804) requires examinees to complete 120-150 questions in 2.5-3 hours. It is required that examinees have earned the Oracle Certified Associate, Java SE 7 Programmer before sitting for the OCP Java SE7 exam. The pass score for the exam is specific to the version of the exam and is set at the time of release.

Candidates who have the Sun Java Programmer certification may upgrade to this certification by passing a single upgrade exam. | www.oracle.com |
PROSO003	Certified Internet Web (CIW) E-Commerce Specialist	Certification Partners		CAPE Industry Certification	E-Commerce Strategies and Practices teaches individuals how to conduct business online and manage the technical issues associated with constructing an e-commerce Web site. Students learn about the similarities and differences between traditional and electronic commerce, and will explore e-commerce technologies at various levels of sophistication.	Before taking this course, students should have completed the CIW Foundations series of courses and the CIW Design Methodology and Technology course, or be able to demonstrate equivalent knowledge of fundamental Internet and site design skills. The CIW E-Commerce Strategies and Practices course prepares candidates to take the CIW E-Commerce Specialist exam, which, if passed, earns the individual the CIW E-Commerce Specialist certification.	www.ciwcertified.com
PROSO016	Certified Internet Web (CIW) Internet Business Associate	Certification Partners		CAPE Industry Certification	Internet Business Foundations prepares students to work effectively in today's business environment. In this course, students will learn about the tasks involved in various Information Technology (IT) job roles, and explore career opportunities in the IT industry. They will learn about Internet connection methods, Internet protocols, the Domain Name System (DNS) and cloud computing. Students 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. Finally, students will learn how browser plug-ins and add-ons can improve Web-browsing experience, and how to use browsers to download and manage files.	Students should be familiar with an operating system such as Microsoft Windows Vista before taking this course. Students are required to take the CIW Internet Business Associate exam (1D0-61B).	www.ciwcertified.com
PROSO017	Certified Internet Web (CIW) JavaScript Specialist	Certification Partners		CAPE Industry Certification	JavaScript Fundamentals is a 12-hour course that teaches developers how to use the features of the JavaScript language to design client-side, platform-independent solutions. Students learn how to write JavaScript programs, script for the JavaScript object model, control program flow, validate forms, animate images, target frames, and create cookies. Students will also understand and use the most popular applications of JavaScript.	The CIW JavaScript Fundamentals course prepares candidates to take the CIW JavaScript Specialist exam, which if passed earns the individual the CIW JavaScript Specialist certification. Prerequisite: Students must have CIW Foundations certification or equivalent experience, and be proficient in Hypertext Markup Language (HTML) authoring.	www.ciwcertified.com
PROSO018	Certified Internet Web (CIW) Network Technology Associate	Certification Partners		CAPE Industry Certification	The Network Technology Foundations course prepares students for job readiness in many business and technology-related careers. Understanding the fundamentals of networking, Internet protocols and network security is important for all professionals who use the Internet. This certification proves one's mastery of the basics of networking and prepares students for further study in the specialty of their choosing. Target audience: all professionals required to use the Internet in their daily job functions. Information in this course is required for all levels of specialization in the CIW program.	The CIW Network Technology Foundations course prepares candidates to take the CIW Network Technology Associate exam, which, if passed, earns the individual the CIW Network Technology Associate certification (1D0-61C).	www.ciwcertified.com
PROSO020	Certified Internet Web (CIW) Site Development Associate	Certification Partners		CAPE Industry Certification	Site Development Foundations teaches students essential Web page development skills. 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. Students will also learn how to insert images, create hyperlinks, and add tables, forms and frames to Web pages.	The CIW Site Development Foundations course prepares candidates to take the CIW Site Development Associate exam, which, if passed, earns the individual the CIW Site Development Associate certification. Once individuals have earned this certification, candidates are better prepared to begin the CIW Web Design Specialist program.
Students should be familiar with an operating system such as Microsoft Windows XP before taking this course (1D0-61B).	www.ciwcertified.com
PROSO021	Certified Internet Web (CIW) Web Design Professional	Certification Partners		CAPE Industry Certification	Certified CIW Web Design Professionals must prove their understanding in the areas of Web site design and e-commerce. They 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.	To earn the CIW Web Design Professional certification, individuals must take and pass two certification exams: CIW Web Design Specialist CIW E-Commerce Specialist Passing each of these exams earns the related individual certification. If a student passes both exams, they will be awarded the advanced Web Design Professional certification in addition to the individual certifications.	www.ciwcertified.com
PROSO022	Certified Internet Web (CIW) Web Design Specialist	Certification Partners		CAPE Industry Certification	The Web Design Specialist course teaches students 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). Target audience: Web authors, marketing and communications professionals, PR professionals, Webmasters, graphic designers, desktop designers, technical writers, and library scientists.	Students taking this course need a basic understanding of Internet functionality and tools, and X/HTML. The CIW Web Design Specialist course prepares candidates to take the CIW Web Design Specialist exam, which, if passed, earns the individual the CIW Web Design Specialist certification.	www.ciwcertified.com
PROSO023	Certified Internet Web (CIW) Web Development Professional	Certification Partners		CAPE Industry Certification	The CIW Web Development Professional certification program is an ambitious journey for the individual who wants to excel in a career in Web and IT technologies. The essential combination of a front-end scripting language, a back-end programming language and the skills to integrate them with a database is what makes a Web Development Professional. Because of this diversity, this individual will become a valuable corporate IT team member. Target Audience: web application developers, software developers, application programmers, client/server developers, and web architects.	To earn the CIW Web Development Professional certification, a student must take and pass three certification exams: CIW JavaScript Specialist CIW Perl Specialist CIW Database Design Specialist Passing each of these exams earns a student the related individual certification. If a student passes all three exams, they will be awarded the advanced Web Development Professional certification in addition to the individual certifications	www.ciwcertified.com
PROSO024	Certified Internet Web (CIW) Web Foundations Associate	Certification Partners		CAPE Industry Certification	The CIW Web Foundations series of courses is the most popular vendor-neutral Web education program in the world. Individuals who have completed all three Foundations courses have mastered more than mere digital literacy skills: They have a unique understanding of Internet business, data networking and Web site design. This certification is ideal for all professionals who use the Internet on the job. Once certified, these individuals are ready to pursue specialties in Web design, e-commerce, JavaScript, databases and other fields.	To earn this certification candidate must either pass the Web Foundations Associate Exam or complete all three Foundation courses/exams: Internet Business Foundations, Site Development Foundations, Network Technology Foundations. Having earned these three individual certifications certifies an individual as a Web Foundations Associate (1D0-610). Candidates who have already passed an earlier version of one of the three foundation exams, may receive credit towards the certification.	www.ciwcertified.com

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PROSO025	Certified Internet Web (CIW) Web Security Associate	Certification Partners		CAPE Industry Certification	The CIW Network Security and Firewalls course teaches students how to secure networks from unauthorized activity. This course teaches about 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. Individuals with these security skills can pursue or advance careers in many aspects of online and network security.	The CIW Network Security and Firewalls course prepares candidates to take the CIW Web Security Associate exam. Prerequisites: Students must have passed the CIW Foundations, CIW Server Administrator, and CIW Internetworking Professional exams or have equivalent skills. Candidates who also pass additional certification exams from third-party security training providers can earn the higher-level, CIW Web Security Specialist and CIW Web Security Professional certifications.	www.ciwcertified.com
PROSO027	Certified Internet Web (CIW) Advanced HTML5 & CSS3 Specialist	Certification Partners	New	CAPE Industry Certification	The CIW Advanced HTML5 and CSS3 Specialist course 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. This course teaches deep knowledge of HTML5 and CSS3, and thus assumes a certain amount of existing knowledge (such as basic HTML coding). This course is a natural step from our current CIW Foundations Site Development Associate (SDA) certification.	The CIW Advanced HTML5 and CSS3 Specialist course prepares candidates to take the CIW Advanced HTML5 and CSS3 Specialist exam, which, if passed, earns the individual the CIW Advanced HTML5 and CSS3 Specialist certification.	www.ciwcertified.com
PRSVA001	Graduate - Certified Appliance Professional (GCAP)	Professional Service Association	New	CAPE Industry Certification	Certified Graduate Technician rating is designed for graduates of vocational schools 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.	Contact certifying agency	www.psaworld.com
PTCBD001	Pharmacy Technician	Pharmacy Technician Certification Board		CAPE Industry Certification	Certification of Pharmacy Technicians is to recognize pharmacy technicians who are proficient in the knowledge and skills needed to assist pharmacists to safely, accurately and efficiently prepare and dispense prescriptions and to promote high standards of practice for pharmacy technicians.	Candidates must have a high school diploma or GED; no felony conviction; no drug or pharmacy related convictions, no restriction or admission of misconduct or violation of regulation by any State Board of Pharmacy. The certification requirement consists of 90 multiple-choice questions. Candidates have 110 minutes to complete the exam.	www.ptcb.org
RECFN001	RECF Pre-Engineering Certification	Robotics Education and Competition Foundation		CAPE Industry Certification	The REC Foundation Pre-Engineering certification is designed to introduce students to the exciting world of engineering or engineering technology-related fields. The attainment of this certification will identify students who possess the knowledge and experience needed for today's engineering workforce.	Students are expected to have at least 150 hours of pre-engineering classroom learning experience before taking the exam for this certification. Students 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. The eight engineering modules are Mechanical, Computer Science and Engineering (Programming), Electrical, Chemical, Aerospace, Civil, Engineering Technology and Manufacturing Technology. They must average a score of 80% across all the modules and any modules with a score less than 70% must be retaken. There is no limit to how many modules a student may take for area emphasis beyond the two required.	www.roboticseducation.org
RECFN002	RECF Robotics Certification	Robotics Education and Competition Foundation		CAPE Industry Certification	The REC Foundation Robotics certification is designed to introduce students to the technology field that deals with the design, construction, operation, development and application of robots and computer systems for their control, sensory feedback, and information processing. The attainment of this certification will identify students who possess the knowledge and experience needed for today's robotics workforce.	Students are expected to have at least 150 hours of robotics classroom learning experience before taking the exam for this certification. Students must take the Fundamentals of Engineering plus three engineering modules in order to receive the RECF Robotics Certification. The three required engineering modules are Mechanical, Computer Science and Engineering (Programming) and Electrical. They must average a score of 80% across all the modules and any modules with a score less than 70% must be retaken.	www.roboticseducation.org
SOCTE004	Broadband Premises Installer (BPI)	Society of Cable Telecommunications Engineers		CAPE Industry Certification	The Broadband Premises Installer certification describes the knowledge of an entry-level technician who will 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.	Certification requires an online 50-question multiple-choice exam and a score of 76% to pass.	www.scte.org
SOLID003	Certified Solidworks Associate-Academic (CSWA-Academic)	Dassault Systems Solidworks Corporation		CAPE Industry Certification	Solidworks certifications can be used as a benchmark to measure a person's knowledge and competency with Solid work mechanical design software. A Certified Solidworks Associate (CSWA-Academic) will stand out from the crowd in today's competitive job market. CSWA-Academic certification is proof Solidworks expertise and cutting-edge skills that businesses seek out and reward.	Candidates must take a 3 hour exam and have a minimum passing grade of 70% in the areas of: sketch entities; sketch tools; sketch relations; boss and cut features; fillets and chamfers; linear, circular and fill patterns; dimensions; feature conditions - start and end; mass properties; materials; inserting components; standard mates; reference geometry; drawing sheets and views; dimensions and model items; annotations; and COSMOXpress.	www.solidworks.com/pages/services/Training/Training.html
SPACE001	Aerospace Technician	SpaceTec		CAPE Industry Certification	The purpose of a national Aerospace Technician Certification is to formalize the core competences and associated proficiency levels required 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.	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. The Core exam includes a written portion that is 70 questions, on six topics: Introduction to Aerospace, Applied Mechanics, Basic Electricity, Test & Measurements, Materials and Processes and Aerospace Safety. The exam includes a 16 hour Readiness Course and the three part exam (Written, Oral and Practical). The American Council on Education has recommended that colleges and universities grant up to 24 credits, in specific areas, toward a technical degree, for successfully passing the three part exam.	www.spacetec.org
TAFLP001	Accredited Legal Professional (ALP)	NALS…the Association for Legal Professionals		CAPE Industry Certification	Entry-level certification as an accredited legal professional.	Pass a four hour exam with three components: 1) written communication; 2) office procedures and legal knowledge; and 3) ethics, human relations, and judgment.	www.nals.org
TAFLP002	Professional Legal Secretary (PLS)	NALS…the Association for Legal Professionals		CAPE Industry Certification	Accredited Legal Secretary demonstrate preparedness for the demanding field of law. This designation is awarded after passing a four-hour, three-part examination.	The ALS Examination is a three part exam: Part 1: Written Communications; Part 2: Office Procedures and Legal Knowledge; Part 3: Ethics, Human Relations, and Judgment. The ALS exam 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; assesses recognition of accounting terms in order to solve accounting problems, and appraises knowledge of law office protocol as prescribed by ethical codes. To sit for the examination, candidates must have completed one of the following: an accredited business/legal course, the NALS Legal Training Course, or one year of general office experience.	www.nals.org
TAFOM001	Certified in Production and Inventory Management (CPIM)	The Association for Operations Management		CAPE Industry Certification	The program is designed to develop specialized knowledge in the very latest production and inventory management techniques and trends, including production planning, materials and capacity requirements planning, just in time, and systems and technologies.	Candidates must pass all five exams for the following modules: Basics of Supply Chain Management; Master Planning of Resources; Detailed Scheduling and Planning; Execution and Control of Operations; and Strategic Management of Resources.	www.apics.org

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TBOOM001	Toon Boom Certified Associate (Harmony)	Toon Boom Animation		CAPE Industry Certification	This certification is a credential 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. New technology enables drawings that can bend and twist and features like advanced textures. The advanced special effects system, with particle engine, allows users to create industry-quality special effects all in the same software. A variety of formats are supported for import and export, including images and movie files. As a vector-based software, projects can be exported at any size, making it easy to format a project for the web, mobile devices or for movie screens all from one project.	The certification consists of a 25-question multiple choice exam, covering the core competencies of the software including Drawing Tools, Colour, Frame by Frame Animation, Character Rigging, Cut-Out Character Animation, Camera Moves, 3D Model Import, Working in a 3D Space, Special Effects, Particles, and Export Options. A 80% grade is required to pass.	www.toonboom.com/education/certif ication
TBOOM002	Toon Boom Certified Associate (Animate Pro)	Toon Boom Animation		CAPE Industry Certification	This certification is a credential that validates entry-level skills required for the production of animation. Animate Pro is a tool that enables users to draw, animate a sequence of frames, and create camera moves. The software includes the ability to create rigged characters, that can be animated by moving individual body parts. A variety of media formats can be imported into and exported out of the software, such as images and movie files. As a vector-based software, projects can be exported at any size, making it easy to format a project for the web, mobile devices or for movie screens all from one project.	The certification consists of a 25-question multiple choice exam, covering the core competencies of the software including Drawing Tools, Colour, Frame by Frame Animation, Character Rigging, Cut-Out Character Animation, Camera Moves, Working in a 3D Space, Basic Effects, and Export Options. A 80% grade is required to pass.	www.toonboom.com/education/certif ication
TBOOM003	Toon Boom Certified Associate (Storyboard Pro)	Toon Boom Animation		CAPE Industry Certification	This certification is a credential 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.	The certification consists of a 25-question multiple choice exam, covering the core competencies of the software including the Storyboarding Process, Animatic Creation, Drawing Tools, Camera Moves, Importing Media, and Export Options. A 80% grade is required to pass.	www.toonboom.com/education/certif ication
USINS001	Small UAS Safety Certification	Unmanned Safety Institute	New	CAPE Industry Certification	The USI Small UAS Safety Level 1 Certification contains approximately 155 content hours. By obtaining a completion certificate, individuals can continue to Step 2 of the certification process. Completion certifications are issued by the Unmanned Safety Institute.	Small UAS Safety Course Completion covers hazards associated with small UAS operations, identifying risks within an operation, and mitigating those risks through planning and safety management. This course contains approximately 155 hours of instruction, simulation, and safety education.	www.unmannedsafetyinstitute.org/c ape-funding/
MSSCN001	MSSC Certified Production Technician (CPT)	Manufacturing Skills Standards Council (MSSC)		CAPE Acceleration Industry Certification	The Manufacturing Skill Standards Council (MSSC) is an industry-led training, assessment and certification system focused on the core skills and knowledge needed by the nation's production workers. The MSSC Certified Production Technician (CPT) credential will set the quality standard in our nation's factories.	The credential is awarded to individuals who pass all four Production modules: Safety; Quality Practices & Measurement; Manufacturing Processes & Production; and Maintenance Awareness. The modules are a total of 140 hours full time, intensive. Each assessment contains 80-90 questions and candidate have 90 minutes to complete.	www.msscusa.org
FEDAA004	FAA Aviation Mechanic Technician - Airframe	Federal Aviation Administration		CAPE Acceleration Industry Certification	Airframe mechanics are authorized to work on any part of the aircraft except the instruments, power plants, and propellers. Combination airframe and powerplant mechanics—called A&P mechanics—work on all parts of the plane except the instruments. Most mechanics working on civilian aircraft today are A&P mechanics.	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. An individual must take oral and practical tests as well as written tests. A Designated Mechanic Examiner gives the oral and practical test. The oral and practical tests cover 43 technical subjects. Typically tests for one certificate- airframe or power plant- takes about 8 hours. There are separate tests for airframe and power plant mechanic certificates, as well as a general test covering both.	www.faa.gov/licenses_certificates
ADOBE801	Adobe Certified Associate (ACA) - Photoshop	Adobe Systems	New	CAPE Digital Tool Certificate	This certification is a credential 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.	The associate-level certification exam will correspond to a particular Adobe application - Visual Communication using Adobe Photoshop CS5 or CS6. The following are requirements of the exam: Setting project requirements; Identifying design elements when preparing images; Understanding Adobe Photoshop Creative Cloud; Manipulating images; and Evaluating digital images.	www.adobe.com
APPLE802	Apple Certified Pro - Pages	Apple , Inc.		CAPE Digital Tool Certificate	Pages Lesson Objectives include Discovering Common Features, Publishing with Pages, Working with Charts and Data, Designing a Brochure, Building Promotional Materials, Creating Rich Media ePubs.	The Apple Certified Pro -Pages exam (Exam no. 9L0-903) is a computer-based test offered at Apple Authorized Training Centers (AATCs). Candidates have up to 90 minutes to complete the exam, which consists of 58 multiple choice and interactive media questions. This exam contains some performance-based questions that require performance of tasks in Pages. The score required to pass is 77 percent.	www.training.apple.com/certification /proapps
APPLE803	Apple Certified Pro - Numbers	Apple , Inc.		CAPE Digital Tool Certificate	Numbers Lesson Objectives include Discovering Common Features, Organizing Data Using Numbers, Making Interactive Spreadsheets, Making Customized Calculators, Illustrating Data Using Charts.	The Apple Certified Pro - Numbers exam (Exam no. 9L0-905) is a computer-based test offered at Apple Authorized Training Centers (AATCs). You have up to 90 minutes to complete the exam, which consists of 47 multiple choice and interactive media questions. This exam contains some performance-based questions that require candidates to perform tasks in Numbers. The score required to pass is 83 percent.	www.training.apple.com/certification /proapps
CERTI802	IC3 Spark	Certiport, A Pearson VUE Business		CAPE Digital Tool Certificate	IC3 Spark is comprised of three, 30 minute exams that cover objectives spanning basic computing skills, key applications, and the use of the Internet (Living Online). While the two certifications share a similar format and structure, IC3 Spark is specifically designed for a younger target audience, and comprises the following exams: Computing Fundamentals, Key Applications, Living Online.	IC3 Spark is comprised of three, 30 minute exams that cover objectives spanning basic computing skills, key applications, and the use of the Internet (Living Online).	www.certiport.com/ic3
CERTI803	IC3 - Computing Fundamentals	Certiport, A Pearson VUE Business	New	CAPE Digital Tool Certificate	The IC3 Digital Literacy Certification helps teachers prepare students to enter the next phase of life, whether it is in the workforce or in high-education. For both the student and the job-seeker IC3 provides the foundation of knowledge needed for success, and it is a well-respected and internationally-recognized credential that reflects the most relevant skills needed in today's academic and business environments. Regardless of career or education goals, computers and technology will most likely play and important role.	45 test items consisting of both performance based and linear questions. The user should be able to solve basic digital literacy problems, use basic productivity applications, and understand the structure of common technologies. The user should also be able to apply existing knowledge to deal with unfamiliar situations and scenarios.	www.certiport.com/ic3
CERTI804	IC3 - Key Applications	Certiport, A Pearson VUE Business	New	CAPE Digital Tool Certificate	The IC3 Digital Literacy Certification helps teachers prepare students to enter the next phase of life, whether it is in the workforce or in high-education. For both the student and the job-seeker IC3 provides the foundation of knowledge needed for success, and it is a well-respected and internationally-recognized credential that reflects the most relevant skills needed in today's academic and business environments. Regardless of career or education goals, computers and technology will most likely play and important role.	45 performance-based test items. The user should be able to solve basic digital literacy problems, use basic productivity applications, and understand the structure of common technologies. The user should also be able to apply existing knowledge to deal with unfamiliar situations and scenarios.	www.certiport.com/ic3

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CERTI805	IC3 - Living Online	Certiport, A Pearson VUE Business	New	CAPE Digital Tool Certificate	The IC3 Digital Literacy Certification helps teachers prepare students to enter the next phase of life, whether it is in the workforce or in high-education. For both the student and the job-seeker IC3 provides the foundation of knowledge needed for success, and it is a well-respected and internationally-recognized credential that reflects the most relevant skills needed in today's academic and business environments. Regardless of career or education goals, computers and technology will most likely play and important role.	45 test items consisting of both performance based and linear questions. The user should be able to solve basic digital literacy problems, use basic productivity applications, and understand the structure of common technologies. The user should also be able to apply existing knowledge to deal with unfamiliar situations and scenarios.	www.certiport.com/ic3
DIGIT801	AGSPACE Certification for GIS Beginners	DigitalQuest, Inc.		CAPE Digital Tool Certificate	The AGSPACE Certification for GIS Beginners is a CAPE approved geospatial certification that meets the needs of Middle Schools wanting to offer the Florida CAPE Digital Tool Certificate. A certification designed for Florida's Agriculture, Food, & Natural Resources Students at the middle school level that gives students basic knowledge in geospatial skills in the context and application of agriculture. Through geospatial technology certification students 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.	100-question written exam requiring the student to demonstrate that they have the necessary depth of knowledge that indicate both agricultural and geospatial competency.	www.digitalquest.com
MICRO801	Microsoft Office Specialist: Microsoft Office Excel	Microsoft Corporation		CAPE Digital Tool Certificate	A Microsoft Office Specialist (MOS) certification helps validate proficiency in using Microsoft Office 2010/2013 and meets the demand for the most up-to-date skills on the latest Microsoft technologies. Candidates who pass a certification exam show that they can meet globally recognized performance standards.	Eligible exams include Office 2010 (77-882) and Office 2013 (77-420). Exams are primarily performance-based and conducted in a "live," or simulated, environment. Exam candidates are asked to perform a series of tasks to clearly demonstrate their skills. A typical exam takes up to 90 minutes.	www.microsoft.com/learning
MICRO802	Microsoft Office Specialist: Microsoft Office Word	Microsoft Corporation		CAPE Digital Tool Certificate	A Microsoft Office Specialist (MOS) certification helps validate proficiency in using Microsoft Office 2010/2013 and meets the demand for the most up-to-date skills on the latest Microsoft technologies. Candidates who pass a certification exam show that they can meet globally recognized performance standards.	Eligible exams include Office 2010 (77-881) and Office 2013 (77-418). Exams are primarily performance-based and conducted in a "live," or simulated, environment. Exam candidates are asked to perform a series of tasks to clearly demonstrate their skills. A typical exam takes up to 90 minutes.	www.microsoft.com/learning
PROSO801	ICT – Database Essentials	Certification Partners		CAPE Digital Tool Certificate	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.	Each ICT Essentials course has been designed with the flexibility to be delivered as a stand-alone unit of instruction or integrated into a program's existing curriculum. And at the end of each ICT Essentials course, students have the opportunity to earn an ICT Digital Tool Certificate by passing a qualifying certificate exam, proving mastery of the ICT Essentials topic and building a foundation for the professional certifications they can earn from CIW in the future.	www.ciwcertified.com
PROSO802	ICT – Gaming Essentials	Certification Partners		CAPE Digital Tool Certificate	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.	Each ICT Essentials course has been designed with the flexibility to be delivered as a stand-alone unit of instruction or integrated into a program's existing curriculum. And at the end of each ICT Essentials course, students have the opportunity to earn an ICT Digital Tool Certificate by passing a qualifying certificate exam, proving mastery of the ICT Essentials topic and building a foundation for the professional certifications they can earn from CIW in the future.	www.ciwcertified.com
PROSO803	ICT – Multimedia Essentials	Certification Partners		CAPE Digital Tool Certificate	Design and creation of digital slide presentations, including formatting basics, slide transitions, animation, timing, titling, and integration of images, graphics, audio/video and other compatible files.	Each ICT Essentials course has been designed with the flexibility to be delivered as a stand-alone unit of instruction or integrated into a program's existing curriculum. And at the end of each ICT Essentials course, students have the opportunity to earn an ICT Digital Tool Certificate by passing a qualifying certificate exam, proving mastery of the ICT Essentials topic and building a foundation for the professional certifications they can earn from CIW in the future.	www.ciwcertified.com
PROSO804	ICT – Programming & Logic Essentials	Certification Partners		CAPE Digital Tool Certificate	Basics of programming languages, including Boolean concepts, truth tables, logic, program structure, pseudo-code, iterative statements and syntax rules.	Each ICT Essentials course has been designed with the flexibility to be delivered as a stand-alone unit of instruction or integrated into a program's existing curriculum. And at the end of each ICT Essentials course, students have the opportunity to earn an ICT Digital Tool Certificate by passing a qualifying certificate exam, proving mastery of the ICT Essentials topic and building a foundation for the professional certifications they can earn from CIW in the future.	www.ciwcertified.com
PROSO805	ICT – Web Design Essentials	Certification Partners		CAPE Digital Tool Certificate	Design and creation of 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.	Each ICT Essentials course has been designed with the flexibility to be delivered as a stand-alone unit of instruction or integrated into a program's existing curriculum. And at the end of each ICT Essentials course, students have the opportunity to earn an ICT Digital Tool Certificate by passing a qualifying certificate exam, proving mastery of the ICT Essentials topic and building a foundation for the professional certifications they can earn from CIW in the future.	www.ciwcertified.com