DOE Code	Certification/ Credential Title	Certification Description	Certification Requirements	Issuing Organization/Provider	Agency Website	New to List	Certification Version, if applicable	Differentiated Waiver of Certification Requirements[1]	Eligible for District Performance Incentive Funds[2]	District Performance Funding Area	Eligible for College Performance Incentive Funds[3]	College Performance Funding Area
AAMIN001	Certified Biomedical Equipment Technician	Healthcare technology management professionals that desire a CBET certification are expected to have experience in a wide-range of electromechanical devices, computers, networks and software used in the delivery of healthcare. Generally, candidates desiring for certification in this category may work for medical device manufacturers, hospitals, clinics, home healthcare providers, medical device repair companies, regulatory bodies/agencies, and software manufacturers – such as EMR or device integration providers.	The CBET exam is a three-hour closed book exam consisting of 165 multiple choice questions. The minimum score required to pass the CBET examinations is 116/165.	Association for the Advancement of Medical Instrumentation (AAMI)	www.aami.org/certification/	New			No		Yes	Health Sciences
ABAYC002	Diesel Engine & Support Systems Certification	Marine diesel engine technicians are required to have knowledge related to engine and drive installation of marine diesel engines and general troubleshooting knowledge. Marine diesel engine technicians may specifically work on diesel engines cooling systems, electrical systems, fuel systems, ventilation systems, exhaust systems, control systems, fuel injection, and drive systems.	To be eligible to earn a Diesel Engine & Support Systems Certification, candidates have 3 hours to complete 200 multiple choice questions. Content includes diesel engines cooling systems, electrical systems, fuel systems, ventilation systems, exhaust systems, control systems, fuel injection, and drive systems. 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.	American Boat & Yacht Council	www.abycinc.org/				No		No	
ABAYC003	Marine Electrical 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.	American Boat & Yacht Council	www.abycinc.org/				No		No	
ABAYC005	Marine Systems Certification	This certification covers thirteen different areas in the marine systems realm. Key knowledge areas associated with the ABYC systems certification are: •Potable water systems •Marine sanitation systems •Tankage •Hull piping •Electrical installations •Compressed gas for cooking and heating •Air conditioning and refrigeration systems •Pump systems •Fuel systems (gas and diesel) •Steering and control systems •Accessory control systems •Fire protection systems •General knowledge and boatyard etiquette. (Addresses specific tool usage and precision measurement	ABYC's customary education tracks include four days in a classroom and a test. ABYC's FastTrac is another option whereby the student self-studies the material from the current study guide and reviews the two webinars available covering the content on the certification exam and attends the one day review and exam. Or, if a candidate feels particularly strong in the content areas, candidates can completely self-study and register for either a written exam or make arrangements with ABYC to sit for a proctored online exam.	American Boat & Yacht Council	www.abycinc.org/				No		No	
ABAYC006	Refrigeration & A/C Certification	This certification exam is still available for those that have an interest. The ABYC study guide is available through our education department for self-study use only. Once a candidate feels ready for the exam, simply contact our education department and arrange for you online exam to be proctored and written in your area.	ABYC's customary education tracks include four days in a classroom and a test. ABYC's FastTrac is another option whereby the student self-studies the material from the current study guide and reviews the two webinars available covering the content on the certification exam and attends the one day review and exam. Or, if a candidate feels particularly strong in the content areas, candidates can completely self-study and register for either a written exam or make arrangements with ABYC to sit for a proctored online exam.	American Boat & Yacht Council	www.abycinc.org/				No		No	
ABAYC007	Marine Corrosion Certification	Successful completers of this certification program and exam will have a good understanding of all of the various types of corrosion and be able to perform a thorough corrosion analysis on boats of all types. This certification class is designed and intended for those with a minimum of 3-5 years practical experience in the marine field. It is highly recommended that certification candidates already have ABYC electrical certification before attempting the corrosion certification program. It is presumed by the course content that candidates have a reasonable understanding of basic concepts such as electrical grounding, electrical current flow, galvanic isolation and basic marine electrical terminology. The topic areas that are covered include: •Basic molecular theory •Chemical reaction fundamentals •Basic electrical theory •Corrosion processes •The galvanic series •Corrosion types •Induced (electrolytic) corrosion rules and electron movement •Corrosion control/material properties •Relevant ABYC Standards review •Cathodic protection systems •Corrosion mitigation •Protective coatings •Aluminum outdrive issues and solutions •Conducting a corrosion survey •Protection calculations and troubleshooting.	ABYC's customary education tracks include four days in a classroom and a test. ABYC's FastTrac is another option whereby the student self-studies the material from the current study guide and reviews the two webinars available covering the content on the certification exam and attends the one day review and exam. Or, if a candidate feels particularly strong in the content areas, candidates can completely self-study and register for either a written exam or make arrangements with ABYC to sit for a proctored online exam.	American Boat & Yacht Council	www.abycinc.org/				No		No	
ABRET001	Registered EEG Technologist (R. EEG T.)	To establish standards for EEG Technologists by: 1. Providing a standard of knowledge in electroencephalographic technology required for registration. 2. Establishing and measuring the level of knowledge required for registration in electroencephalographic technology by means of a two-part objective, computer based (written) examination. 3. Formally recognizing those individuals who meet the eligibility requirements of ABRET and pass the Registration Examination for Electroencephalographic Technologists. 4. Encouraging continued professional growth in electroencephalographic technology through mandatory continuing education and recertification.	The Board sets the passing standard as the number of test questions it determines to be necessary for candidates to answer correctly in order to be considered at least minimally competent. This method focuses on the particular test that is being administered. Different forms of an examination are equated for difficulty and content coverage. This comprehensive approach makes use of information about the performance of similar groups in the past. ABRET is concerned with reporting only valid scores. On rare occasions, misconduct or circumstances beyond the individual's control may render a score invalid. If doubts are raised about a score because of these or other circumstances, ABRET reserves the right to cancel any examination score if, in the sole opinion of ABRET, there is adequate reason to question its validity.	American Board of Registration of Electroencephalographic and Evoked Potential Technologists	www.abret.org/				No		No	
ACFAT001	Accredited Business Accountant (ABA)	The Accreditation Council for Accountancy & Taxation (ACAT) seeks to ensure that all accredited individuals possess both the theoretical knowledge and the practical knowledge necessary to be successful practitioners. The ABA Comprehensive Examination for Accreditation in Accountancy is a one-day, seven-hour exam that tests the technical proficiency of candidates in financial accounting, financial reporting, financial statement preparation, taxation, business consulting services, business law and ethics. Emphasis is on a practical approach to public accounting.	The seven-hour Comprehensive Examination for Accreditation in Accounting consists of 200 multiple-choice questions which test an individual's proficiency in financial accounting, reporting, statement preparation, taxation, business consulting services, business law, and ethics. The exam is divided into two parts: Exam 1: 100 multiple choice questions to be completed in 3½ hours covering: Financial accounting; and Financial statement preparation, presentation and reporting. Exam 2: 100 multiple choice questions to be completed in 3½ hours covering: Taxation; Business law; Business accounting; and Ethics. Required for all: three years experience: Related work experience includes verifiable experience in accounting, taxation, financial services, or other field requiring a practical and theoretical knowledge of the subject matter covered on the ACAT Comprehensive Examination. Those who pass the exam but who have not met the experience requirement may market themselves as having passed the ACAT Comprehensive Examination for Accreditation in Accountancy, but are not entitled to use the ABA designation.	Accreditation Council for Accountancy & Taxation	www.acatcredentials.org				No		No	

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ACFED001	Certified Chef de Cuisine	A Certified Chef de Cuisine (CCC) is the supervisor in charge of food production in a foodservice operation. This could be a single unit of a multi-unit operation or a free-standing operation. He or she is in essence the chef of the operation with the final decision-making power as it relates to culinary operations. A candidate for this certification must successfully complete both a written exam and a practical exam. The 100 multiple-choice question written exam is administered by Comira(http://www.comiratesting.com/html/candidates.html). The exam covers: Basic cooking; Advanced cooking; Supervisory Management; Sanitation, Nutrition; and Basic baking. A score of 70% is required to pass. The practical exam is three hours, can be taken at any ACF approved test site, and covers: Food safety and sanitation; Organization; Cooking skills and culinary techniques; and Taste and presentation. A score of 75% is required to pass. Additional information about test sites in Florida for the practical exam may be viewed	The application available online at http://www.acfchefs.org/download/documents/certify/certification/Initial_Application_CCC.pdf should be completed and submitted to ACF with the required application fee. Application fee to ACF is $120.00 for ACF members and $220.00 for non-members, Additional information about the application, scheduling and administration may be viewed at http://www.acfchefs.org/Content/NavigationMenu2/Careers/Certification/Designations/CCC/default.htm#application	American Culinary Federation	www.acfchefs.org				No		No	
ACFED002	Certified Culinarian (CC)	A Certified Culinarian (CC) is an entry level culinarian within a commercial foodservice operation responsible for preparing and cooking sauces, cold food, fish, soups and stocks, meats, vegetables, eggs and other food items.	A candidate for this certification must successfully complete both a written exam and a practical exam. The written 100 multiple choice questions exam covers: Basic cooking Sanitation Nutrition Supervisory Management Basic baking A score of 70% is required to pass with a testing time of one hour. The practical exam is two and one half hours, can be taken at any ACF approved test site, and covers: Food safety and sanitation Organization Cooking skills and culinary techniques Taste and presentation A score of 75% is required to pass.	American Culinary Federation	www.acfchefs.org				No		No	
ACOPC004	Certified Outpatient Coder (COC)	The COC™ (formerly CPC-H®) exam validates your specialized payment knowledge needed for these jobs in addition to your CPT®, ICD-9, and HCPCS Level II coding skills. Invest in your future with the COC™ medical coding certification.	Recommend having an associate's degree. Pay examination fee at the time of application submission. Maintain current membership with the AAPC. New members must submit membership payment with examination application. Renewing members must have a current membership at the time of submission and when exam results are released. All exams will be reported with exact scores and areas of study (65% or less). A COC (formerly CPC-H) must have at least two years medical coding experience (member's with an apprentice designation are not required to have two years medical coding experience.) Membership is required to be renewed annually and 36 Continuing Education Units (CEU's) must be submitted every two years for verification and authentication of expertise.	American Academy of Professional Coders	www.aapc.com/				Yes	Health Sciences - Medical coder/biller	Yes	Health Sciences
ACOPC005	Certified Professional Coder - Payer (CPC-P)	The CPC-P® demonstrates a coder's aptitude, proficiency and knowledge of coding guidelines and reimbursement methodologies for all types of services from the payer's perspective. Contributing developers include Dr. Marc Lieb, M.D., J.D., Susan Goldsmith, CPC, as well as a number of other well-known CPC-Ps in the payer community. Claims reviewers, utilization management, auditors, benefits administrators, billing service, provider relations, contracting and customer service staff can each benefit their practice with the CPC-P® credential.	Recommend having an associate's degree. Pay examination fee at the time of application submission. Maintain current membership with the AAPC. New members must submit membership payment with examination application. Renewing members must have a current membership at the time of submission and when exam results are released. All exams will be reported with exact scores and areas of study (65% or less). A CPC-P must have at least two years medical coding experience (member's with an apprentice designation are not required to have two years medical coding experience.) Membership is required to be renewed annually and 36 Continuing Education Units (CEU's) must be submitted every two years for verification and authentication of expertise.	American Academy of Professional Coders	www.aapc.com/				Yes	Health Sciences - Medical coder/biller	Yes	Health Sciences
ACOPC006	Certified Professional Coder (CPC)	The CPC is an advanced-level certification based on job analysis standards in physicians' offices, group practices, multi-specialty clinics and specialty centers. The exam is computer-based. Part I consists of 60 four-option multiple choice questions, including 50 scored items and 10 unscored items that cover: Health and information documentation; ICD-9-CM diagnosis coding; CPT and HCPCS II coding; Reimbursement; Data quality and analysis; Information and communication technologies; and Compliance and regulatory issues. Part II requires coding of 16 medical records from hospital, emergency room, operating room and physician office/clinic settings. The candidate must complete both parts of the examination within four hours.	Examinations are computer-administered and are available Monday through Saturday, excluding holidays, at Thomson Prometric Testing Centers geographically located throughout the United States. Additional information about registration and administration of the exam by Prometric may be viewed at http://www.prometric.com/AHIMA/default.htm. Candidates will be required to bring their 2008 ICD-9-CM Volumes 1-3 codebook and the 2008 CPT codebook to the test center. Only the American Medical Association CPT codebook is permitted. The candidate also has the option of bringing a medical dictionary.	American Academy of Professional Coders	www.aapc.com/				Yes	Health Sciences - Medical coder/biller	Yes	Health Sciences
ACOPC007	Certified Professional Biller (CPB)	Through rigorous examination and experience, certified CPB's have proven knowledge of how to submit claims in accordance with government regulations and private payer policies, follow-up on claim statuses, resolution of claim denials, appeals submission, posting of payments and adjustments, and collections management. The CPB medical billing certification is vital to the financial success of the professional services claims process.	•Recommend having an associate's degree. •Pay examination fee at the time of application submission. •Maintain current membership with the AAPC. -New members must submit membership payment with examination application. -Renewing members must have a current membership at the time of submission and when exam results are released. •All exams will be reported with exact scores and areas of study (65% or less).	American Academy of Professional Coders	www.aapc.com/				Yes	Health Sciences - Medical coder/biller	Yes	Health Sciences
ACSMD002	Certified Personal Trainer	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.	American College of Sports Medicine	www.acsm.org	New			No		Yes	Health Sciences
ADESK021	Autodesk Certified Professional - AutoCAD	The Autodesk Certified credential signifies the experience and expertise of design professionals. 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.	Autodesk	www.autodesk.com		AutoCAD 2013 or later		Yes	Computer-aided drafting	No	
ADESK023	Autodesk Certified Professional - AutoCAD Civil 3D	The Autodesk Certified credential signifies the experience and expertise of design professionals. 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. 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.	Autodesk	www.autodesk.com		AutoCAD 2013 Civil 3D or later		Yes	Computer-aided drafting	No	
ADESK024	Autodesk Certified Professional - Inventor	The Autodesk Certified credential signifies the experience and expertise of design professionals. 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.	Autodesk	www.autodesk.com		Autodesk Inventor 2013 or later		Yes	Computer-aided drafting	No	
ADESK025	Autodesk Certified Professional - Revit Architecture	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.	Autodesk	www.autodesk.com		Revit Architecture 2013 or later		Yes	Computer-aided drafting	No	
ADOBE003	Adobe Certified Expert (Illustrator)	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.	Adobe Systems	www.adobe.com		Illustrator CS5 or later		No		No	
ADOBE005	Adobe Certified Expert (Photoshop)	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.	Adobe Systems	www.adobe.com		Photoshop CS5 or later		No		No	

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ADOBE019	Adobe Certified Expert (Dreamweaver)	An Adobe Certified Expert (ACE) in Dreamweaver candidate demonstrates professional level knowledge of site architecture, designing page layouts, coding pages, and formatting page elements.	To earn this certification, candidates must successfully pass a single exam. The ACE-Dreamweaver CS6 exam requires examinees to complete 60 multiple choice questions in 65 minutes. A minimum passing scores of 75% is required to earn the certification. Exam topics may include navigating the workspace, defining a site, creating web pages, laying out pages, adding and formatting text, working with Cascading Style Sheets (CSS), adding and managing links, adding images and rich media, writing HTML code, working with templates and modern library items, working with mobile devices, and launching a site. The ACE- Dreamweaver CS5 exam (9A0-146) requires examinees to complete 49 multiple choice questions with a minimum passing score of 72%. Exam topics may include understanding web technologies, managing sites, working in Design view, working in Code view, working with assets, designing pages with CSS, testing web pages and sites, and working with dynamic content.	Adobe Systems	www.adobe.com		Dreamweaver CS5 or later		No		No	
AFHDI001	Certified Healthcare Documentation Specialist (CHDS)	The CMT CHDS exam is designed to assess competency in medical transcription by determining if a candidate has the core knowledge and skills needed to practice medical transcription effectively in a multispecialty acute-care facility, where variable specialties, document types, and difficulty of dictation necessitate an advanced level of clinical knowledge and interpretive ability.	The CMT CHDS exam targets an experienced medical transcriptionist with Professional Level 2 skills and knowledge as defined in the "Medical Transcriptionist Job Descriptions". Although any candidate is "eligible" and granted permission to take the CMT CHDS certification examination, two years of transcription experience in the acute care (or equivalent) setting is strongly suggested for success on the exam. The American Association for Medical Transcription (AAMT) Association for Healthcare Documentation Integrity (AHDI) awards the voluntary designation Certified Medical Transcriptionist (CMT) Healthcare Documentation Specialist (CHDS), to those who earn a passing score on a certification examination.	Association for Healthcare Documentation Integrity (AHDI)	www.ahdionline.org				No		Yes	Health Sciences
AFHDI002	Registered Healthcare Documentation Specialist (RHDS)	The Registered Healthcare Documentation Specialist (RHDS) exam is based on the AHDI Medical Transcriptionist Job Descriptions and the competencies outlined in the AHDI Core Competencies and the AHDI Model Curriculum. It is a voluntary credentialing exam for individuals who wish to become Registered Healthcare Documentation Specialists. The RHDS exam is designed to assess competency in healthcare documentation by determining if a candidate has the core knowledge and skills needed to practice healthcare documentation effectively in today's healthcare environment.	The 130-question RHDS exam consists of both multiple-choice questions and fill-in-the-blank transcription against audio. Both assessment types are used to test candidate knowledge and applied interpretive judgment in all knowledge domains represented on the RHDS Exam Blue Print, including: Transcription Standards and Style, Clinical Medicine, and Health Information Technology.	Association for Healthcare Documentation Integrity (AHDI)	www.ahdionline.org				No		Yes	Health Sciences
AHCSM001	Certified Registered Central Service Technician	IAHCSMM offers the Certified Registered Central Service Technician (CRCST) certification, which is designed to recognize individuals who have demonstrated the experience, knowledge and skills necessary to provide competent services as a Central Service Technician. The CRCST Certification is accredited by both the American National Standards Institute (ANSI) and the National Commission for Certifying Agencies (NCCA).	As well as passing the certification exam, 400 hours of hands-on experience are required in order to obtain CRCST status. Because of the complex nature of the CS department, firsthand experience is essential to supplement an individual's understanding of CS knowledge and concepts and to illustrate their practical use. The following 10 categories of experience, the tasks that comprise them, and the percentage of time required for each was calculated through a CS Job Task Analysis.	International Association of Healthcare Central Service Material Management	www.iahcsmm.org/				No		No	
AHIMA001	Certified Coding Associate (CCA)	The CCA is an entry-level certification based on job analysis standards. The exam is computer-based and includes 90 scored items and 10 unscored items. It must be completed within two hours. The examination covers: Health records and data content; Health information requirements and standards; Clinical classification systems; Reimbursement methodologies; Information and communication technologies; and Privacy, confidentiality, legal and ethical issues.	Examinations are computer-administered and are available Monday through Saturday, excluding holidays, at Thomson Prometric Testing Centers geographically located throughout the United States. Additional information about registration and administration of the exam by Prometric may be viewed at http://www.prometric.com/AHIMA/default.htm. Candidates will be required to bring their 2008 ICD-9-CM Volumes 1-3 codebook and the 2008 CPT codebook to the test center. Only the American Medical Association CPT codebook is permitted.	American Health Information Management Association	www.ahima.org				Yes	Health Sciences - Medical coder/biller	Yes	Health Sciences
AHIMA002	Certified Coding Specialist (CCS)	Certified Coding Specialists(CCS) are professionals skilled in classifying medical data from patient records, usually in a hospital setting. CCS review patients' records and assign numeric codes for each diagnosis and procedure. Possess expertise in the ICD-9-CM and CPT coding systems as well as knowledge of medical terminology, disease processes, and pharmacology.	CCS candidates must have earned a high school diploma or equivalent. Although not required, it is strongly recommended that candidates have: (1) at least three years of on-the-job experience in hospital-based inpatient coding and Ambulatory/Outpatient Care coding for multiple case types and (2) completed coursework in anatomy and physiology, pathophysiology, and pharmacology, or demonstrated proficiency in these areas. The CCS examination consists of two parts. Part I consists of 60 four option, multiple-choice questions. Part II (Medical Record Coding), requires coding of 13 medical records containing seven outpatient records and six inpatient records.	American Health Information Management Association	www.ahima.org				Yes	Health Sciences - Medical coder/biller	Yes	Health Sciences
AHIMA003	Certified Coding Specialist - Physician-based (CCS-P)	The Certified Coding Specialist - Physician-based (CCS-P) is a coding practitioner with expertise in physician-based settings and in-depth knowledge of the CPT coding system and familiarity with the ICD-9-CM and HCPCS Level II coding systems.	CCS-P candidates must have earned a high school diploma or equivalent. Although not required, it is strongly recommended that candidates have: (1) at least three years of on-the-job experience in coding for physician services in multiple settings utilizing codes in the E/M, surgery, medicine and/or anesthesia, radiology and laboratory chapters of CPT and HCPCS II. (2) Completed coursework in anatomy and physiology, pathophysiology, and pharmacology, or demonstrated proficiency in these areas. The CCS-P examination consists of two parts. Part I consists of 60, four option, multiple-choice questions. Part II, Medical Record Coding, requires performance of diagnostic (ICD-9) and procedural (CPT and HCPCS Level II) coding for physician services. A total of 16 records from the hospital, emergency room, operating room, and physician office/clinic settings will be used.	American Health Information Management Association	www.ahima.org				Yes	Health Sciences - Medical coder/biller	Yes	Health Sciences
AHIMA007	Registered Health Information Administrator (RHIA)	The RHIA: •Is an expert in managing patient health information and medical records, administering computer information systems, collecting and analyzing patient data, and using classification systems and medical terminologies. •Possesses comprehensive knowledge of medical, administrative, ethical and legal requirements and standards related to healthcare delivery and the privacy of protected patient information. •Manages people and operational units, participates in administrative committees, and prepares budgets. •Interacts with all levels of an organization - clinical, financial, administrative, and information systems - that employ patient data in decision-making and everyday operations.	RHIA applicants must meet one of the following eligibility requirements: •Successfully complete the academic requirements, at the baccalaureate level, of an HIM program accredited by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM).[1] OR •Graduate from an HIM program approved by a foreign association with which AHIMA has a reciprocity agreement.[2] The academic qualifications of each candidate will be verified before a candidate is deemed eligible to take the examination. All first-time applicants must submit an official transcript from their college or university.	American Health Information Management Association	www.ahima.org				No		Yes	Health Sciences
AHIMA009	Registered Health Information Technician (RHIT)	RHITs are health information technicians who ensure the quality of medical records by verifying their completeness, accuracy, and proper entry into computer systems. They may also use computer applications to assemble and analyze patient data for the purpose of improving patient care or controlling costs. The RHITs often specialize in coding diagnoses and procedures in patient records for reimbursement and research. RHITs may serve as cancer registrars, compiling and maintaining data on cancer patients. With experience, the RHIT credential holds solid potential for advancement to management positions, especially if it is combined with a bachelor's degree.	Candidates must meet one of the following eligibility requirements for the RHIT examination: Have successfully met the academic requirements of a health information management (HIM) program at the associate degree level accredited by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM), or the qualifications of such a program at the candidate's graduation must have met the requirements of the designated accrediting authority for an accredited program; or have graduated from a program for HIM approved by a foreign association with which there is an agreement of reciprocity.	American Health Information Management Association	www.ahima.org				No		Yes	Health Sciences
AHIMA010	Certified in Health Care Privacy & Security (CHPS)	The CHPS certification denotes competence in designing, implementing, and administering comprehensive privacy and security protection programs in all types of healthcare organizations, demonstrates a choice to focus and advance by specializing in the privacy and security dimensions of HIM and shows a commitment to advancing privacy and security management practices and lifelong learning and professional development. AHIMA has selected Thomson Prometric (http://www.prometric.com/AHIMA/default.htm) as its agent for administering the CHPS examination. The CHPS examination covers: Management and Administration; Regulatory Requirements, Investigation and Compliance; Information Technology; Physical Safeguards; and Health Information Management.	A candidate may register online at www.AHIMA.org/certification or by submitting a paper application which may be found at that same location. If the candidate meets the testing prerequisites, Thomson Prometric sends the candidate an Authorization to Test (ATT) letter. After receiving the ATT letter the candidate may schedule testing by contacting Prometric at www.prometric.com/ahima or by calling Prometric at (800) 813-6779.	American Health Information Management Association	www.ahima.org	New			No		Yes	Health Sciences
AHIMA011	Certified Healthcare Technology Specialist - Clinician/Practitioner Consultant (CHTS-CP)	The CHTS exams assess the competency of individuals seeking to demonstrate proficiency in certain health IT workforce roles integral to the implementation and management of electronic health information. The CHTS exams assess the competency of health IT professionals to: •Assess workflows •Select hardware and software •Work with vendors •Install and test systems •Diagnose IT problems	All (CHTS) exams consist of 125 multiple choice questions, with an exam duration time of 3 hours (180 minutes).	American Health Information Management Association	www.ahima.org	New			No		Yes	Health Sciences
AHIMA012	Certified Healthcare Technology Specialist - Implementation Manager (CHTS-IM)	The CHTS exams assess the competency of individuals seeking to demonstrate proficiency in certain health IT workforce roles integral to the implementation and management of electronic health information. The CHTS exams assess the competency of health IT professionals to: •Assess workflows •Select hardware and software •Work with vendors •Install and test systems •Diagnose IT problems	All (CHTS) exams consist of 125 multiple choice questions, with an exam duration time of 3 hours (180 minutes).	American Health Information Management Association	www.ahima.org	New			No		Yes	Health Sciences

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AHIMA013	Certified Healthcare Technology Specialist - Implementation Support Specialist (CHTS-IS)	The CHTS exams assess the competency of individuals seeking to demonstrate proficiency in certain health IT workforce roles integral to the implementation and management of electronic health information. The CHTS exams assess the competency of health IT professionals to: •Assess workflows •Select hardware and software •Work with vendors •Install and test systems •Diagnose IT problems	All (CHTS) exams consist of 125 multiple choice questions, with an exam duration time of 3 hours (180 minutes).	American Health Information Management Association	www.ahima.org	New			No		Yes	Health Sciences
AHIMA014	Certified Healthcare Technology Specialist - Practice Workflow & Information Management Redesign Specialist (CHTS-PW)	The CHTS exams assess the competency of individuals seeking to demonstrate proficiency in certain health IT workforce roles integral to the implementation and management of electronic health information. The CHTS exams assess the competency of health IT professionals to: •Assess workflows •Select hardware and software •Work with vendors •Install and test systems •Diagnose IT problems	All (CHTS) exams consist of 125 multiple choice questions, with an exam duration time of 3 hours (180 minutes).	American Health Information Management Association	www.ahima.org	New			No		Yes	Health Sciences
AHIMA015	Certified Healthcare Technology Specialist - Technical/Software Support Staff (CHTS-TS)	The CHTS exams assess the competency of individuals seeking to demonstrate proficiency in certain health IT workforce roles integral to the implementation and management of electronic health information. The CHTS exams assess the competency of health IT professionals to: •Assess workflows •Select hardware and software •Work with vendors •Install and test systems •Diagnose IT problems •Train practice staff on systems	All (CHTS) exams consist of 125 multiple choice questions, with an exam duration time of 3 hours (180 minutes).	American Health Information Management Association	www.ahima.org	New			No		Yes	Health Sciences
AHIMA016	Certified Healthcare Technology Specialist - Trainer (CHTS-TR)	The CHTS exams assess the competency of individuals seeking to demonstrate proficiency in certain health IT workforce roles integral to the implementation and management of electronic health information. The CHTS exams assess the competency of health IT professionals to: •Assess workflows •Work with vendors •Select hardware and software •Install and test systems •Diagnose IT problems •Train practice staff on systems	All (CHTS) exams consist of 125 multiple choice questions, with an exam duration time of 3 hours (180 minutes).	American Health Information Management Association	www.ahima.org	New			No		Yes	Health Sciences
AHIMA017	Certified Documentation Improvement Practitioner (CDIP)	Professionals earning the CDIP credential will: •Be distinguished as knowledgeable and competent in clinical documentation in patient health records •Be positioned as leaders and role models in the health informatics and information management community •Demonstrate competency in capturing documentation necessary to fully communicate patients' health status and conditions •Help provide a strong base of expertise in the industry	Candidates who would like to sit for the CDIP exam must meet one of the eligibility requirements below: •An RHIA®, RHIT®, CCS®, CCS-P®, RN, MD or DO and two (2) years experience in clinical documentation improvement •An Associate's degree or higher and three (3) years of experience in clinical documentation improvement (candidates must also have completed coursework in Medical Terminology and Anatomy and Physiology)	American Health Information Management Association	www.ahima.org	New			No		Yes	Health Sciences
AHIMA018	Certified Health Data Analyst (CHDA)	Individuals who earn the CHDA designation will achieve recognition of their expertise in health data analysis and validation of their mastery of this domain. This prestigious certification provides practitioners with the knowledge to acquire, manage, analyze, interpret, and transform data into accurate, consistent, and timely information, while balancing the "big picture" strategic vision with day-to-day details. CHDA-credentialed professionals exhibit broad organizational knowledge and the ability to communicate with individuals and groups at multiple levels, both internal and external.	Candidates must meet one of the following eligibility requirements for the Certified Health Data Analyst examination •Associate's degree and minimum of five (5) years of healthcare data experience •Healthcare information management credential (RHIT®) and minimum of three (3) years of healthcare data experience •Baccalaureate degree and a minimum of three (3) years of healthcare data experience •Healthcare information management credential (RHIA®) and minimum of one (1) year of healthcare data experience •Master's or related degree (JD, MD, or PhD) and one (1) year of healthcare data experience	American Health Information Management Association	www.ahima.org	New			No		Yes	Health Sciences
AIOPB001	Certified Bookkeeper	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.	American Institute of Professional Bookkeepers	www.aipb.org				No		No	
AMAMA001	Certified Medical Assistant (CMA)	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.	American Association of Medical Assistants	www.aama-ntl.org				Yes	Health Sciences - Medical assisting	Yes	Health Sciences
AMAOB001	Medical Laboratory Technician (MLT)	Individuals may be certified as a Medical Laboratory Technician (MLT) in one or more of six technical disciplines: Chemistry; Hematology; Immunology; Immunohematology, Microbiology or Molecular Diagnostics.	To be certified as MLT, an individual must be a high school graduate, or equivalent, pass the appropriate AAB Board of Registry examination, and complete one of the following: Complete a clinical laboratory training program approved or accredited by an organization approved by the U.S. Department of Health and Human Services (HHS); Earn an associate degree (or the equivalent) in a laboratory science, or medical laboratory technology, from an accredited institution; Successfully complete an official U.S. military medical laboratory procedures course of at least fifty (50) weeks duration and earn the military enlisted occupational specialty of Medical Laboratory Specialist (Laboratory Technician); Document five (5) years of full-time clinical laboratory experience (in the applicable technical disciplines) acceptable to the AAB Board of Registry; or Be certified as a POLT(AAB) and obtain four (4) years of acceptable clinical laboratory experience and six (6) continuing education units (CEUs).	American Association of Bioanalysts (AAB)	www.aab.org				Yes	Health Sciences - Clinical lab technician	Yes	Health Sciences
AMAOB002	Medical Technologist (MT(AAB))	MT(AAB) Generalist certification, includes the five (5) disciplines listed below: 1.Chemistry (Clinical Chemistry, Endocrinology, Toxicology, Urinalysis, Radioimmunoassay) 2.Hematology (Hemostasis, Coagulation, Hematologic Elements, Cell Identification and Parameters, Bone Marrow, Staining, Hematologic Abnormalities and Disease) 3.Immunology (Serology, General Immunology, Antibody and Antigen Identification and Measurement) 4.Immunohematology (ABO Grouping and Rh Typing, Unexpected Antibody Detection and Identification, Compatibility Testing) 5.Microbiology (Bacteriology, Mycology, Parasitology, and Virology)	To be certified as MT(AAB), an individual must pass the appropriate AAB Board of Registry examination AND meet at least one (1) of the following requirements: A) Earn a doctoral, masters, or baccalaureate degree, or the equivalent, from an accredited university or college with a major in a chemical, physical, biological, or clinical laboratory science or medical technology. B) Successfully complete ninety (90) semester hours in an accredited university or college with a major in a chemical, physical, biological, or clinical laboratory science or medical technology. C) Earn an associate degree or an associate of applied science degree, or the equivalent, from an accredited institution with a major in a laboratory science or medical technology.	American Association of Bioanalysts (AAB)	www.aab.org				No		No	
AMCMA001	Certified Composites Technician	The CCT-M program is designed to elevate standards in the industry, enhance individual performance, and recognize those who demonstrate a prescribed level of knowledge in a specific specialization. Individuals with CCT-M certification are recognized as experts among their colleagues and throughout the industry. Certified Composite Technicians are acknowledged as valued individuals within a manufacturing arena that is becoming progressively competitive and technical. The CCT-M program and examination cover: History of fiberglass; General composites knowledge; Composites manufacturing processes; Composite materials for boat building; Marine gel coat application; Marine laminating techniques; Controlled spraying; and Fluid handling equipment.	Information about registration, instruction and examination procedures may be viewed at https://www.acmanet.org/commerce/enrollment.cfm. Additional information may be obtained by calling ACMA at (703) 525-0511.	American Composites Manufacturers Association	www.acmanet.org				No		No	

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AMDDA003	Certified Drafter - Architectural	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) -	American Design Drafting Association	www.adda.org				Yes	Computer-aided drafting	No	
AMDDA004	Certified Drafter - Mechanical	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	American Design Drafting Association	www.adda.org				Yes	Computer-aided drafting	No	
AMEDT002	Medical Laboratory Technician	AMT certification examinations consist of 200-210 four-option, multiple-choice items. Examinees are required to select the single best answer from among the four alternatives. Multiple answers for a single item are scored as incorrect. Test items may require examinees to recall facts, interpret graphic illustrations, interpret information presented in case studies, analyze situations, or solve problems. The examination covers: General Laboratory; Chemistry; Hematology; Immunology/Immunohematology; Microbiology; and Urinalysis.	Completed applications must be mailed to AMT. AMT will not accept FAXed or e-mailed applications. Application information and instructions may be viewed at http://www.amt1.com/site/files/315/15353/60069/321658/RPT.pdf.	American Medical Technologists (AMT)	www.amt1.com				Yes	Health Sciences - Clinical lab technician	Yes	Health Sciences
AMEDT004	Registered Medical Assistant (RMA)	Medical assistants are able to advance to office manager or a variety of administrative duties and may teach medical assisting courses after a number of years of experience. Some medical assistants return to school for more education to become nurses, medical laboratory technicians, medical technologists or enter into other health related occupations.	Applicants must be a graduate of, or scheduled to graduate from: a medical assistant program that holds programmatic accreditation by the Accrediting Bureau of Health Education Schools (ABHES) or the Commission on Accreditation of Allied Health Education Programs (CAAHEP); a medical assistant program in a post-secondary school or college that has institutional accreditation by a Regional Accrediting Commission or by a national accrediting organization approved by the U.S. Department of Education, which program includes a minimum of 720 clock-hours (or equivalent) of training in Medical Assisting skills (including a clinical externship); or a formal medical services training program of the United States Armed Forces. Or the applicant must have been employed in the profession of Medical Assisting for a minimum of five (5) years. Or the applicant has passed a generalist medical assistant certification examination offered by another medical assisting certification body (provided that exam has been approved for this purpose by the AMT Board of Directors) and who have been working in the medical assisting field for the past three out of five years and who have met all other AMT training and experience requirements (no further examination required).	American Medical Technologists (AMT)	www.amt1.com				Yes	Health Sciences - Medical assisting	Yes	Health Sciences
AMEDT005	Registered Phlebotomy Technician (RPT)	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.	American Medical Technologists (AMT)	www.amt1.com				No		No	
AMOPT001	Certified Paraoptometric Assistant (CPOA)	Under the supervision of an optometrist, the CPOA™ may perform technical duties such as taking detailed patient histories, measuring visual acuity, measuring the curvature of the cornea (Keratometry), glaucoma screening, blood pressure testing, and measuring the distance between the pupils of the eye.	The CPOA™ examination consists of 200 multiple choice questions related to practice management, basic and special procedures, ophthalmic optics and dispensing, refractive status of the eye, and basic ocular anatomy and physiology.	American Optometric Association	www.aoa.org	New			No		Yes	Health Sciences
AMRRT002	Registered Technologist (Radiography)	Employers, state licensing agencies, and federal regulators look at the ARRT credential as an indicator that a person has met a recognized national standard for medical imaging, interventional procedures, and radiation therapy professionals.	Candidates pursuing primary pathway certification in Radiography, Nuclear Medicine Technology, Radiation Therapy, Magnetic Resonance Imaging, or Sonography must have — within the past five years — successfully completed an educational program that is accredited by a mechanism acceptable to the ARRT. Beginning on January 1, 2015, all candidates for primary pathway certification must have earned an academic degree before becoming certified. As part of their education, candidates must also demonstrate competency in didactic coursework and an ARRT-specified list of clinical procedures by completing competency requirements established for the discipline in which they are seeking certification.	American Registry of Radiologic Technologists	www.arrt.org				No		Yes	Health Sciences
AMRRT003	Radiologic Technologist (Sonography)	Employers, state licensing agencies, and federal regulators look at the ARRT credential as an indicator that a person has met a recognized national standard for medical imaging, interventional procedures, and radiation therapy professionals.	Candidates pursuing primary pathway certification in Radiography, Nuclear Medicine Technology, Radiation Therapy, Magnetic Resonance Imaging, or Sonography must have — within the past five years — successfully completed an educational program that is accredited by a mechanism acceptable to the ARRT. Beginning on January 1, 2015, all candidates for primary pathway certification must have earned an academic degree before becoming certified. As part of their education, candidates must also demonstrate competency in didactic coursework and an ARRT-specified list of clinical procedures by completing competency requirements established for the discipline in which they are seeking certification.	American Registry of Radiologic Technologists	www.arrt.org				No		Yes	Health Sciences
AMRRT005	Registered Technologist - Quality Management (R.T.)	Employers, state licensing agencies, and federal regulators look at the ARRT credential as an indicator that a person has met a recognized national standard for medical imaging, interventional procedures, and radiation therapy professionals.	Candidates pursuing primary pathway certification in Radiography, Nuclear Medicine Technology, Radiation Therapy, Magnetic Resonance Imaging, or Sonography must have — within the past five years — successfully completed an educational program that is accredited by a mechanism acceptable to the ARRT. Beginning on January 1, 2015, all candidates for primary pathway certification must have earned an academic degree before becoming certified. As part of their education, candidates must also demonstrate competency in didactic coursework and an ARRT-specified list of clinical procedures by completing competency requirements established for the discipline in which they are seeking certification.	American Registry of Radiologic Technologists	www.arrt.org				No		Yes	Health Sciences
AMRRT006	Registered Technologist (Nuclear Medicine)	Employers, state licensing agencies, and federal regulators look at the ARRT credential as an indicator that a person has met a recognized national standard for medical imaging, interventional procedures, and radiation therapy professionals.	Candidates pursuing primary pathway certification in Radiography, Nuclear Medicine Technology, Radiation Therapy, Magnetic Resonance Imaging, or Sonography must have — within the past five years — successfully completed an educational program that is accredited by a mechanism acceptable to the ARRT. Beginning on January 1, 2015, all candidates for primary pathway certification must have earned an academic degree before becoming certified. As part of their education, candidates must also demonstrate competency in didactic coursework and an ARRT-specified list of clinical procedures by completing competency requirements established for the discipline in which they are seeking certification.	American Registry of Radiologic Technologists	www.arrt.org				No		Yes	Health Sciences
AMRRT007	Registered Technologist (Radiation Therapy)	Employers, state licensing agencies, and federal regulators look at the ARRT credential as an indicator that a person has met a recognized national standard for medical imaging, interventional procedures, and radiation therapy professionals.	Candidates pursuing primary pathway certification in Radiography, Nuclear Medicine Technology, Radiation Therapy, Magnetic Resonance Imaging, or Sonography must have — within the past five years — successfully completed an educational program that is accredited by a mechanism acceptable to the ARRT. Beginning on January 1, 2015, all candidates for primary pathway certification must have earned an academic degree before becoming certified. As part of their education, candidates must also demonstrate competency in didactic coursework and an ARRT-specified list of clinical procedures by completing competency requirements established for the discipline in which they are seeking certification.	American Registry of Radiologic Technologists	www.arrt.org				No		Yes	Health Sciences
AMSCP001	Histotechnologist, HTL(ASCP)	The HT(ASCP), HT(ASCPi), HTL(ASCP), and HTL(ASCPi) certification examination questions encompass five different subtests within the area of Histotechnology: Fixation, Processing, Embedding/Microtomy, Staining, and Laboratory Operations.	The HT(ASCP), HT(ASCPi), HTL(ASCP), and HTL(ASCPi) certification examinations are composed of 100 examination questions given in a 2 hour 30 minute time frame. All examination questions are multiple-choice with one best answer. The certification examinations are administered using the format of computer adaptive testing (CAT).	American Society of Clinical Pathology	www.ascp.org				No		No	
AMSFQ001	Manager of Quality/Organizational Excellence	The Certified Manager of Quality/Organizational Excellence is a professional who leads and champions process-improvement initiatives everywhere from small businesses to multinational corporations that can have regional or global focus in a variety of service and industrial settings. A Certified Manager of Quality/Organizational Excellence facilitates and leads team efforts to establish and monitor customer/supplier relations, supports strategic planning and deployment initiatives, and helps develop measurement systems to determine organizational improvement.	An individual must have 10 years of on-the-job experience in one or more of the areas of the Certified Manager of Quality/ Organizational Excellence Body of Knowledge. A minimum of five years of this experience must be in a decision-making position, defined as the authority to define, execute or control projects/processes and to be responsible for the outcome. This may or may not include management or supervisory positions. The examination is a four-hour, two-part examination–150 multiple choice questions and two constructed response (essay) questions.	American Society for Quality	www.asq.org				Yes	Advanced manufacturing	Yes	Advanced manufacturing

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AMSFQ006	Quality Improvement Associate (CQIA)	The Certified Quality Improvement Associate has a basic knowledge of quality tools and their uses and is involved in quality improvement projects.	Two years of work experience or an associate degree and pass a three-hour written exam that consists of 100 multiple-choice questions that measure the comprehension of the Body of Knowledge (Quality Basics, Teams, and Continuous Improvement).	American Society for Quality	www.asq.org			Waiver of work experience requirement	Yes	Advanced manufacturing	Yes	Advanced manufacturing
AMSFQ011	Six Sigma Black Belt (CSSBB)	The Certified Six Sigma Black Belt is a professional who can explain Six Sigma philosophies and principles, including supporting systems and tools. A Black Belt should demonstrate team leadership, understand team dynamics and assign team member roles and responsibilities.	Requires two completed projects with signed affidavits or one completed project with signed affidavit and three years of work experience. Pass a four-hour written exam that consists of 150 multiple-choice questions that measure the comprehension of the Body of Knowledge (Enterprise-Wide Deployment, Organizational Process Management and Measures, Team Management, Define, Measure, Analyze, Improve, Control, and Design for Six Sigma(DFSS) Frameworks and Methodologies).	American Society for Quality	www.asq.org				Yes	Advanced manufacturing	Yes	Advanced manufacturing
AMSFQ012	Six Sigma Green Belt (CSSGB)	The Six Sigma Green Belt operates in support of or under the supervision of a Six Sigma Black Belt, analyzes and solves quality problems and is involved in quality improvement projects.	Three years of work experience and pass a four-hour written exam that consists of 100 multiple choice questions that measure the comprehension of the Body of Knowledge (Overview: Six Sigma and the Organization, Six Sigma - Define, Six Sigma-Measure, Six Sigma-Analyze, and Six Sigma - Improve & Control).	American Society for Quality	www.asq.org				Yes	Advanced manufacturing	Yes	Advanced manufacturing
AMSPT002	Certified Phlebotomy Technician	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.	American Society of Phlebotomy Technicians	www.aspt.org				No		No	
AMSTL004	Professional Designation in Logistics and Supply Chain Management (PLS)	The Professional Designation in Logistics and Supply Chain Management (PLS) is for professionals seeking an understanding of the key strategies for improving customer service and increasing the efficiency of their logistics and supply chain operations. The purpose of the PLS is to recognize individuals that have completed a course of study examining the strategies for improving logistics and supply chain operations and are seeking to apply this knowledge within their profession.	The examination consists of multiple choice questions selected from material contained in the following textbook as well as selected outside readings.	American Society of Transportation & Logistics	www.astl.org				Yes	Advanced manufacturing	Yes	Advanced manufacturing
APPLE002	Apple Certified Technical Coordinator	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.	Apple, Inc.	www.training.apple.com				No		No	
APPLE011	Apple Certified Pro (ACP) - Motion	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.	Apple, Inc.	www.training.apple.com		Motion 5 or later		No		No	
ARDMS001	Registered Diagnostic Cardiac Sonographer (RDCS)	The RDCS credential raises the standard of cardiac ultrasound practice internationally to promote best practices for enhanced patient safety. The RDCS credential has been developed for medical professionals in the cardiac sonography field. By earning the RDCS credential, healthcare professionals gain a critical edge in promoting patient safety in cardiac sonography.	To obtain the RDCS credential, you must meet the examination prerequisites and pass the physics and a corresponding specialty examination within five years: Physics Examination: • Sonography Principles and Instrumentation (SPI) AND Specialty examinations: • Adult Echocardiography (AE)* • Fetal Echocardiography (FE)** • Pediatric Echocardiography (PE)**	American Registry for Diagnostic Medical Sonography	www.ardms.org				No		No	
ARDMS002	Registered Diagnostic Medical Sonographer (RDMS)	Diagnostic medical sonographers, also known as ultrasonographers, use special equipment to direct nonionizing, high frequency sound waves into areas of the patient's body. Sonographers operate the equipment, which collects reflected echoes and forms an image that may be videotaped, transmitted, or photographed for interpretation and diagnosis by a physician. This certification covers the following areas: Physics Examination: Sonography Principles and Instrumentation and five specialty examinations: Abdomen, Breast, Fetal Echocardiography, Neurosonology, and Obstetrics and Gynecology.	To be eligible for a RDMS credential applicants must meet specific educational and professional experience requirements before an applicant can take an ARDMS examination. ARDMS currently offers ten (10) prerequisites under which to apply for an ARDMS examination. First-time applicants must select a prerequisite under which they want to apply for an ARDMS specialty examination and/or the Sonography Principles & Instrumentation (SPI) examination. Each prerequisite requires (1) the appropriate educational background, (2) necessary clinical ultrasound or vascular experience and (3) required documentation that must be submitted with the application. All three components of the prerequisite must be met before an application can be approved.	American Registry for Diagnostic Medical Sonography	www.ardms.org				No		Yes	Health Sciences
ARDMS003	Registered Vascular Technologist	The RVT credential raises the standard of vascular ultrasound practice worldwide and promotes best practices for enhanced patient safety. The RVT credential is designed to certify medical professionals in the vascular ultrasound field. By earning the RVT credential, healthcare professionals gain a critical edge in promoting public safety in vascular ultrasound.	To obtain the RVT credential, you must meet the examination prerequisites and pass the physics and the VT specialty examination within five years: Physics Examination: • Sonography Principles and Instrumentation (SPI) AND Specialty examination: • Vascular Technology (VT) – Available on demand	American Registry for Diagnostic Medical Sonography	www.ardms.org				No		Yes	Health Sciences
AWELD001	Certified Welder	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).	American Welding Society	www.aws.org				Yes	Welding	Yes	Welding
BNENT001	Certified Hemodialysis Technologist/Technician	The BONENT Certified Hemodialysis Technologist/Technician examination measures technical proficiency in certain skills and general areas of knowledge. The examination, which contains 150 multiple-choice questions to be completed within three hours, tests the following five major domains of practice and tasks performed in the scope of hemodialysis technology: Patient Care; Machine Technology; Water Treatment; Dialyzer Reprocessing; and Education/Personal Development.	Testing for this certification is administered by Iso-Quality Testing Inc. (www.isoqualitytesting.com). All original, signed applications and examination fees (paid in full with application) for the paper-and-pencil exam must be received 45 days before the exam date. There is no deadline for submitting an original, signed application and examination fees, paid in full with application for computer-based testing. FAXed or photocopied applications will not be accepted. Although Iso-Quality Testing is based in Dunedin, there are no testing centers listed in Florida. Testing centers are located in Athens and Atlanta, GA, and in Birmingham, AL.	Board of Nephrology Examiners Inc. Nursing and Technology	www.bonent.org/				Yes	Health Sciences - Clinical hemodialysis technician	Yes	Health Sciences
CCINT002	Registered Cardiac Sonographer (RCS)	The RCS exam covers: General Policies, Procedures and Standards Perform echocardiographic examinations Perform specialized echocardiographic techniques Pathophysiology of Cardiovascular Diseases/Therapeutic Measures	All applicants must meet the following criteria: 1. Have a high school diploma or general education diploma at the time of application. 2. Fulfill one (1) of the qualifications of the exam for which you are applying. See qualifications listed in the tables below. 3. Provide typed documentation to support the qualification under which you are applying. Required documentation for each qualification is listed below. CCI reserves the right to request additional information.	Cardiovascular Credentialing International	www.cci-online.org				No		No	
CCINT003	Registered Cardiovascular Invasive Specialist	The RCIS exam covers: Conducting Pre-Procedural Activities Conducting Intra-Procedural Activities Performing Invasive Procedures Conducting Post-Procedural Activities	All applicants must meet the following criteria: 1. Have a high school diploma or general education diploma at the time of application. 2. Fulfill one (1) of the qualifications of the exam for which you are applying. See qualifications listed in the tables below. 3. Provide typed documentation to support the qualification under which you are applying. Required documentation for each qualification is listed below. CCI reserves the right to request additional information.	Cardiovascular Credentialing International	www.cci-online.org				No		Yes	Health Sciences
CCINT004	Registered Vascular Specialist	The RVS exam covers: A. Maintaining Information, Facility, and Safety B. Applying Physical Principles C. Performing Abdominal/Visceral Examinations D. Performing Extracranial/Intracranial Examinations E. Performing Peripheral Arterial Examinations F. Performing Peripheral Venous Examinations G. Performing Special Procedures	All applicants must meet the following criteria: 1. Have a high school diploma or general education diploma at the time of application. 2. Fulfill one (1) of the qualifications of the exam for which you are applying. See qualifications listed in the tables below. 3. Provide typed documentation to support the qualification under which you are applying. Required documentation for each qualification is listed below. CCI reserves the right to request additional information.	Cardiovascular Credentialing International	www.cci-online.org				No		No	
CDREG001	Dietetic Technician, Registered (DTR)	Dietetic Technicians, Registered (DTR) are individuals who have •completed a minimum of an Associate degree granted by a U.S. regionally accredited college or university, or foreign equivalent; •completed a minimum of 450 supervised practice hours through a Dietetic Technician Program as accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND) of the Academy of Nutrition and Dietetics; •successfully completed the Registration Examination for Dietetic Technicians; and •remitted the annual registration maintenance fee; and •complied with the Professional Development Portfolio (PDP) recertification	Dietetic Technicians, Registered (DTR) are individuals who have •completed a minimum of an Associate degree granted by a U.S. regionally accredited college or university, or foreign equivalent; •completed a minimum of 450 supervised practice hours through a Dietetic Technician Program as accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND) of the Academy of Nutrition and Dietetics; •successfully completed the Registration Examination for Dietetic Technicians; and •remitted the annual registration maintenance fee; and •complied with the Professional Development Portfolio (PDP) recertification	Commission on Dietetic Registration	www.cdmet.org/				No		Yes	Health Sciences

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CDREG002	Registered Dietician	Registered Dietitians (RD) are individuals who have •completed the minimum of a Baccalaureate degree granted by a U.S. regionally accredited college or university, or foreign equivalent; •met current minimum academic requirements (Didactic Program in Dietetics) as approved by the Accreditation Council for Education in Nutrition and Dietetics (ACEND) of the Academy of Nutrition and Dietetics; •completed a supervised practice program accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND) of the Academy of Nutrition and Dietetics; •successfully completed the Registration Examination for Dietitians; •remitted the annual registration fee; •complied with the Professional Development Portfolio (PDP) recertification	Registered Dietitians (RD) are individuals who have •completed the minimum of a Baccalaureate degree granted by a U.S. regionally accredited college or university, or foreign equivalent; •met current minimum academic requirements (Didactic Program in Dietetics) as approved by the Accreditation Council for Education in Nutrition and Dietetics (ACEND) of the Academy of Nutrition and Dietetics; •completed a supervised practice program accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND) of the Academy of Nutrition and Dietetics; •successfully completed the Registration Examination for Dietitians; •remitted the annual registration fee; •complied with the Professional Development Portfolio (PDP) recertification	Commission on Dietetic Registration	www.cdrnet.org/				No		No	
CISCO001	Cisco Certified Design Associate (CCDA)	Cisco Certified Design Associate (CCDA) validates knowledge required to design routed and switched network infrastructures and services involving LAN, WAN, and broadband access for business organizations.	Prerequisites: CCNA level knowledge and Building Cisco Multi-layer Switched Networks (BCMSN) level knowledge. Required exam: 640-863 DESGN , 90 minutes (65 questions). Recommended Training: Designing for Cisco Internetwork Solutions (DESGN)	Cisco Systems, Inc.	www.cisco.com				Yes	Network support services	Yes	Network support services
CISCO002	Cisco Certified Design Professional (CCDP)	The CCDP certification indicates advanced journeyman knowledge of intelligent network design concepts and principles. A CCDP credentialed network professional can discuss, design, and create advanced addressing and routing, security, network management, data center, and IP multicast complex multi-layered enterprise architectures that include virtual private networking and wireless domains.	Three required exams: 642-901 BSCI and 642-812 BCMSN; and 642-873 ARCH or 642-871 ARCH. Recommended Training: Building Scalable Cisco Internetworks (BSCI); Building Cisco Multilayer Switched Networks (BCMSN); Designing Cisco Network Service Architecture (ARCH); and Designing Cisco Network Service Architectures (ARC).	Cisco Systems, Inc.	www.cisco.com				Yes	Network support services	Yes	Network support services
CISCO004	Cisco Certified Network Associate (CCNA)	The Cisco CCNA network associate certification validates the ability to install, configure, operate, and troubleshoot medium-size routed and switched networks, including implementation and verification of connections to remote sites.	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.	Cisco Systems, Inc.	www.cisco.com				Yes	Network support services	Yes	Network support services
CISCO005	Cisco Certified Network Professional (CCNP)	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.	Cisco Systems, Inc.	www.cisco.com				Yes	Network support services	Yes	Network support services
CISCO007	Cisco Certified Voice Professional (CCVP)	CCVP validates advance knowledge and skills in implementing, operating, configuring, and troubleshooting a converged IP network.	Prerequisites: CCNA Voice or any CCIE Certification. Five Required exam(s): 642-436 CVOICE; 642-446 CIPT1; 642-642 QoS; 642-456 CIPT2; and 642-426 TUC Recommended Training: Cisco Voice over IP (CVOICE v6.0) and Cisco Voice over IP Fundamentals (CVF v1.0); Implementing Cisco Unified Communications Manager Part 1 (CIPT1 v6.0); Quality of Service (QoS); Implementing Cisco Unified Communications Manager Part 1 (CIPT2 v6.0); and Troubleshooting Cisco Unified Communications Systems (TUC v1.0).	Cisco Systems, Inc.	www.cisco.com				Yes	Network support services	Yes	Network support services
CISCO009	Cisco Certified Architect	Cisco Certified Architect is the highest level of accreditation achievable within the Cisco Career Certification Program. It recognizes the architectural expertise of senior network designers who can gather business requirements and objectives necessary to produce a blueprint for an integrate, large-scale, complex, global network.	Prerequisite: Valid CCDE certification. Three main components in the Cisco Certified Architect Certification process: (1) Application for entry into the program; (2) Pre-Board Exam work; and (3) Board Exam.	Cisco Systems, Inc.	www.cisco.com				Yes	Network support services	Yes	Network support services
CISCO010	Cisco Certified Design Expert (CCDE)	CCDE validates advanced network infrastructure design principles and fundamentals for large networks. It also allows a network professional to demonstrate an ability to develop solutions which address planning, design, integration, optimization, operations, security and ongoing support focused at the infrastructure level for customer networks.	Recommended the candidate have an in-depth understanding of network design in the areas of routing, tunneling, Quality of Service, Management, Cost, Capacity, and Security. Minimum of seven years job experience. To become certified, candidate must pass both a two-hour written qualification exam AND the CCDE Practical exam.	Cisco Systems, Inc.	www.cisco.com				Yes	Network support services	Yes	Network support services
CISCO011	Cisco Certified Network Associate Security (CCNA Security)	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.	Cisco Systems, Inc.	www.cisco.com				Yes	Cybersecurity	Yes	Cybersecurity
CISCO012	Cisco Certified Network Associate Voice (CCNA Voice)	The Cisco Certified Network Associate Voice (CCNA® Voice) validates associate-level knowledge and skills required to administer a voice network. The Cisco® CCNA Voice certification confirms that the required skill set for specialized job roles in voice technologies such as voice technologies administrator, voice engineer, and voice manager. It validates skills in VoIP technologies such as IP PBX, IP telephony, handset, call control, and voicemail solutions.	Candidates for CCNA Voice must take one of two exams (640-460 IIUC or 642-436 CVOICE 6.0) The 640-460 Implementing Cisco IOS Unified Communications (IIUC) exam is associated with the CCNA Voice certification. This exam confirms basic IP telephony installation, configuration, and maintenance skills by testing a candidate's knowledge of implementing and configuring small- to medium-sized IP Telephony solutions using Cisco Unified Communications Manager Express, Cisco Unity Express, and the UC500 Smart Business Communications System solutions. Exam 640-460 IIUC requires candidates to answer 60-70 questions within a 90 minute period. The 642-436 Cisco Voice over IP (CVOICE) is the exam associated with the Cisco Certified Voice Professional CCVP® certification. This exam tests a candidate's knowledge of the foundational elements of VOIP calls, and the description of dial plans, and the implementation of gateways, gatekeepers and IP-IP gateways. Candidates can prepare for this exam by taking the CVOICE Cisco Voice over IP course. Candidates have 75 minutes to answer 60-70 questions.	Cisco Systems, Inc.	www.cisco.com				Yes	Network support services	Yes	Network support services
CISCO013	Cisco Certified Network Associate Wireless (CCNA Wireless)	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.	Cisco Systems, Inc.	www.cisco.com				Yes	Network support services	Yes	Network support services
CISCO017	Cisco Certified Network Professional Wireless (CCNP Wireless)	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 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).	Cisco Systems, Inc.	www.cisco.com				Yes	Network support services	Yes	Network support services
CISCO018	Cisco Certified Internetwork Expert Routing and Switching (CCIE Routing & Switching)	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.	Cisco Systems, Inc.	www.cisco.com				Yes	Network support services	Yes	Network support services
CISCO019	Cisco Certified Internetwork Expert Security (CCIE Security)	The CCIE Security Certification certifies expertise with specific security protocols and components, as well as IP and IP routing.	The CCIE Security written exam is a two-hour qualification exam with 100 questions taken online at a Cisco authorized Pearson VUE testing center. The questions cover areas such as security protocols, operating systems, application protocols, security technologies, and Cisco security applications. The exam is closed book and no outside reference materials are allowed. The overall written exam score will be reported on a scale from 300-1000. Candidates for CCIE Security 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. The CCIE Security lab exam begins with a brief Core Knowledge section, consisting of four questions requiring a short typed response, generally no more than four or five words. Candidate have up to 30 minutes to complete the four questions and may move on to the rest of the exam if they finish early. No access to the Cisco documentation is provided during this part of the exam and candidates may not return to the Core Knowledge questions once they have moved on. Core Knowledge questions cover material from the list of exam topics and well-prepared candidates should be able to answer the questions without difficulty. All candidates must pass the Core Knowledge section in order to achieve CCIE certification.	Cisco Systems, Inc.	www.cisco.com				Yes	Cybersecurity	Yes	Cybersecurity

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CISCO024	Cisco Certified Network Associate Routing and Switching (CCNA Routing and Switching)	CCNA Routing and Switching Certification is for network engineers who need to increase their value to employers and stay current with advances in networking knowledge and skills, the Cisco CCNA Routing and Switching certification program provides the education and training required for installing, monitoring, and troubleshooting network infrastructure products designed by the industry leader in IP networking.	The 200-120 CCNA exam is the composite exam associated with the CCNA Routing and Switching certification. Candidates can prepare for this exam by taking the Interconnecting Cisco Networking Devices: Accelerated (CCNAX) course. This exam tests a candidate's knowledge and skills required to install, operate, and troubleshoot a small to medium-size enterprise branch network. The topics include all the areas covered under the 200-120 CCNA exam.	Cisco Systems, Inc.	www.cisco.com				Yes	Network support services	Yes	Network support services
CITRX002	Citrix Certified Administrator (CCA)- XenDesktop	The Citrix Certified Administrator (CCA) XenDesktop 5 certification certifies the expertise required to install, administer, and troubleshoot an enterprise environment containing a XenDesktop implementation, including Provisioning Services, XenServer, XenApp and the Desktop Delivery Controller.	The Citrix Certified Administrator (CCA) XenDesktop certification requires candidates to take one exam. Candidates earning the XenDesktop 5 certification take exam (A19) which is divided into the following sections: Identifying Pre-installation Requirements, Setting up the Infrastructure, Configuring a XenDesktop Environment, Managing a XenDesktop Environment and Troubleshooting. Candidates have 75 minutes to complete the exam.	Citrix Systems Incorporated	www.citrixtraining.com		XenDesktop 6 or later		Yes	Network support services	Yes	Network support services
CITRX004	Citrix Certified Administrator (CCA)- XenApp	Citrix XenApp is an application delivery solution that enables any Windows® application to be virtualized, centralized and managed in the datacenter and instantly delivered as a service to users anywhere on any device. The Citrix Certified Administrator (CCA)- XenApp certification is designed to certify knowledge of Citrix XenApp desktop solutions. This certification is attained by passing the Basic Administration for XenApp exam, in which exam-takers demonstrate the knowledge and skills necessary to install, configure, and administer Citrix XenApp on-demand applications.	Candidates must pass one exam in order to earn the CCA- XenApp certification. Eligible exams include XenApp 6.5 (A20) and XenApp 5 for Windows Server 2008 (A05). Exams are divided into the following sections: understanding the Citrix architecture, licensing and installing XenApp, configuring XenApp sessions, configuring XenApp policies, publishing applications and content, additional management, managing performance and load, configuring printing, enabling and securing web access to published applications and content and troubleshooting. Candiates have 90 minutes to answer 68 questions. Candidates must score a 61% or higher.	Citrix Systems Incorporated	www.citrixtraining.com		XenApp 6 or later		Yes	Network support services	Yes	Network support services
CNCSI001	Mastercam Certified Programmer Mill Level 1 (CPgM1)	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.	CNC Software Inc.	www.mastercamu.com				Yes	Advanced manufacturing	Yes	Advanced manufacturing
CNCSI002	Mastercam Associate Certification - Mill Design and Toolpaths	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.	CNC Software Inc.	www.mastercamu.com				Yes	Advanced manufacturing	Yes	Advanced manufacturing
COMPT001	CompTIA A+	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).	Computing Technology Industry Association (CompTIA)	www.comptia.org				Yes	Network support services	Yes	Network support services
COMPT002	CompTIA CDIA+	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.	Computing Technology Industry Association (CompTIA)	www.comptia.org				Yes	Network support services	Yes	Network support services
COMPT005	CompTIA Linux+	Earning a 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.	Computing Technology Industry Association (CompTIA)	www.comptia.org				Yes	Network support services	Yes	Network support services
COMPT006	CompTIA Network+	It 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.	Computing Technology Industry Association (CompTIA)	www.comptia.org				Yes	Network support services	Yes	Network support services
COMPT007	CompTIA Project+	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.	Computing Technology Industry Association (CompTIA)	www.comptia.org				Yes	Network support services	Yes	Network support services
COMPT008	CompTIA Security+	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 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.	Computing Technology Industry Association (CompTIA)	www.comptia.org				Yes	Cybersecurity	Yes	Cybersecurity
COMPT009	CompTIA Server+	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.	Computing Technology Industry Association (CompTIA)	www.comptia.org				Yes	Network support services	Yes	Network support services
COMPT014	CompTIA Cloud+	A CompTIA Cloud+ certified individual has demonstrated knowledge and skills needed to implement and maintain cloud technologies. CompTIA Cloud+ certified individuals may be employed as project managers for cloud computing services, cloud engineers, data center mangers, and business analysts specializing in cloud computing.	To be eligible to earn a CompTIA Cloud+ certification, candidates must pass the CompTIA Cloud+ Certification Exam (CV0-001) Candidates have 2 hours to complete 120 questions. Content includes: cloud concepts and models (12% of content), virtualization (19% of content), infrastructure (21% of content), resource management (13% of content), security (16% of content), systems management (11% of content), and business continuity in the cloud (8% of content). Candidates must pass with a scaled score of 750 or higher out of 900.	Computing Technology Industry Association (CompTIA)	www.comptia.org				Yes	Cloud virtualization	Yes	Cloud virtualization
COMPT015	CompTIA Storage+	CompTIA Storage+ powered by SNIA certifies the knowledge and skills IT storage professionals need to advance in their job. With their expertise in safeguarding important and sensitive information, Storage+ certified professionals are critical for the continued success of any organization that depends on advanced technical infrastructures.	Exam Description CompTIA Storage+ Powered by SNIA covers foundational information to configure basic networks with archive, backup and restoration technologies, as well as administration skills and basics in business continuity. Number of Questions 100 questions Type of Questions Multiple choice Length of Test 90 Minutes Passing Score 720(on a scale of 100-900) Recommended Experience 12 months of hands-on technical storage	Computing Technology Industry Association (CompTIA)	www.comptia.org	New			Yes	Cloud virtualization	Yes	Cloud virtualization
CPREC001	Child Development Associate (CDA)	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: Check contents of Professional Resource File Collect all documentation Administer the Early Childhood Studies Review (a 2 hour multiple choice exam) Conduct an oral interview of the candidate A Council Committee will review your documentation and render a decision whether to award you the Credential. If the Credential is awarded, the official Child Development Associate Credential will be sent to you. If the committee decides you need more training, the Council will let you know what next steps to take to earn the	Council for Professional Recognition	www.cdacouncil.org/				No		No	
CWNPT001	Certified Wireless Network Administrator (CWNA)	CWNA is the foundation-level wireless LAN (Local Area Network) certification for the industry-standard Program. It is the starting point for wireless training and certification. CWNA covers a broad range of wireless LAN topics focused on 802.11 wireless technology rather than vendor-specific products.	Individuals must attend the Wireless Networking I class (five day course); pass the CWNA Certification Exam (PW0-100) of 60 multiple-choice questions; and a score of at least 70 percent is required to pass the exam.	CWNP	www.cwnp.com				Yes	Network support services	Yes	Network support services

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DANBD001	Certified Dental Assistant (CDA)	The CDA examination consists of three component examinations: General Chairside (GC) Assisting; Radiation Health and Safety (RHS); and Infection Control (ICE).	Dental assistants are eligible to take the CDA examination if they have completed a dental assisting program accredited by the Commission on Dental Accreditation or Individuals who have completed a minimum of 3500 hours of work as a dental assistant over a period of 2-4 years or be a current or former DANB CDA, a CODA DDS or DMD program or be a graduate from a foreign dental degree program. The complete examination (including all three components- GC, RHS, and ICE) consists of 320 questions and individuals have four hours to complete it.	Dental Assisting National Board	www.dentalassisting.com				Yes	Health Sciences - Dental assisting technology	Yes	Health Sciences
EMCSQ001	Information Storage and Management (EMCISA) Associate	Information Storage and Management (EMCISA) Associate benefits storage architects, administrators, or managers; CIOs or project managers; or recent additions to information and storage management teams. You will learn to make informed decisions about storing, managing, and protecting digital information in classic, virtualized, and cloud environments.	Must pass E05-011 or E10-001 exam.	EMC	https://education.emc.com/default_guest.aspx				Yes	Network support services	Yes	Network support services
ENTCP001	ETCP Certified Entertainment Electrician	This examination covers many areas of the entertainment industry including, but not limited to: theatres, film/ TV studios and on location, arenas/stadiums/sporting events, carnivals/fairs/festivals, circuses, cruise ships, industrial/corporate events, religious events/houses of worship, theme parks, touring concerts/theatre, and other places of public assembly throughout the United States and Canada.	ETCP uses a point system to determine eligibility to sit for examinations. A candidate must have 30 points to apply for the ETCP Entertainment Electrician Examination.	Entertainment Technician Certification Program (ETCP)	etcp.plasa.org				Yes	Electrician	Yes	Electrician
ENTCP002	ETCP Certified Rigger – Arena	Arena certification encompasses rigging that employs chain hoists and truss systems to temporarily suspend objects from overhead structures in any environment. ETCP recognizes that these methods and hardware are used throughout the entertainment industry in arenas, convention and trade show spaces and in theatrical venues. However, the principles, practices, and components are consistent and similar in all applications and are different from those used in traditional theatrical spaces.	ETCP uses a point system to determine eligibility to sit for examinations. A candidate must have 30 points to apply for the ETCP Entertainment Electrician Examination.	Entertainment Technician Certification Program (ETCP)	etcp.plasa.org				No		No	
ENTCP003	ETCP Certified Rigger – Theatre	Theatre certification encompasses rigging that employs the use of counterweighted systems, mechanical systems and hydraulic systems, usually, but not always, permanently installed in facilities for the use of theatre technicians in the execution of their rigging responsibilities.	ETCP uses a point system to determine eligibility to sit for examinations. A candidate must have 30 points to apply for the ETCP Entertainment Electrician Examination.	Entertainment Technician Certification Program (ETCP)	etcp.plasa.org				No		No	
ETAIN002	Fiber Optics Installer (FOI)	A Fiber Optic Installer (FOI) has a general understanding of optical fiber installation, connectorization, splicing, and testing, is familiar with optical fiber, connector, and splice performance characteristics. A Fiber Optic Installer can perform connector endface evaluation, is proficient in optical loss testing, and understands the installation requirements of the National Electrical Code. A Fiber Optic Installer is proficient at the installation of connectors on various types' fiber of optic cables using various types of epoxies, and can perform mechanical and fusion splicing.	To be eligible to earn a Fiber Optics Installer (FOI) certification, candidates must have completed training at an ETA approved training facility, passed a hand-on exam, and passed a written exam (FOI113). To earn a FOI certification, candidates have 2 hours to complete 75 multiple choice questions. Content includes: history of fiber optics, principles of fiber optic transmission, basic principles of light, optical fiber construction and theory, optical fiber characteristics, fiber optic safety, fiber optic cables, splicing, connectors, fiber optic light sources, fiber optic detectors and receivers, cable installation and hardware, fiber optic system advantages, and test equipment and link/cable testing. Candidates must pass the exam with a 75% or higher.	Electronics Technician Association International	www.eta-i.org				Yes	Network support services	Yes	Network support services
ETAIN008	Associate Certified Electronics Technician (CETa)	The Associate Certified Electronics Technician (CETa) certification is designed for technicians who have less than two years' experience or trade school training for electronics technicians. The Associate certification is only good for 2 years. After the two-year period, a technician must take an option for the Journeyman certification. The CETa offers an in-depth examination of topics covered within the five basic electronics modules DC, AC, Analog, Digital, and Comprehensive.	To be eligible to earn an Associate Certified Electronics Technician (CETa) certification, candidates may either take a single comprehensive exam, or take all five individual module exams (DC, AC, Analog, Digital, and Comprehensive). Candidates who choose to take a single comprehensive exam have two hours to complete 100 multiple choice questions. Candidates who choose to take each individual module exam must complete all five exams within a two-year period. For each module exam, candidates have two hours to complete 75 multiple choice questions. Regardless of which option, all exams must be passed with a 75% or higher. Exam topics may include electrical theory, electronic components, soldering and de-soldering tools, block diagrams/schematics /wiring diagrams, cabling, power supplies, test equipment and measurements, safety precautions, mathematics and formulas, radio communications technology, electronic circuits: series and parallel, amplifiers, interfacing of electronics products, digital concepts and circuitry, computer electronics, computer applications, audio and video systems, optical electronics, telecommunications basics, and technician work procedures.	Electronics Technician Association International	www.eta-i.org				Yes	Network support services	Yes	Network support services
ETAIN009	Data Cabling Installer Certification (DCIC)	A certified Data Cabling Installer (DCIC) has knowledge of basic concepts of copper cabling installation and service, which are then applicable to all the functions required to safely and competently install communications cabling.	To be eligible to earn a Data Cabling Installer Certification (DCIC), candidates must have completed training at an ETA approved training facility, passed a hand-on exam, and passed a written exam (DCI113). To earn a DCIC certification, candidates have 2 hours to complete 75 multiple choice questions. Content includes: safety, basic electricity, data cabling introduction, data communications basics, cabling specifications and standards, basic network architectures, cable construction, cable performance characteristics, national electrical code - NEC® & UL® requirements, telecommunications, cabling system structure, data cabling installer tools, transmission media for networking and telecommunications, work area telecommunications outlet and connectors, local area network interconnection and internetworking, wireless heterogeneous cabling networks, cabling system components, cabling system design, cabling installation, connector installation, cabling testing and certification, cabling troubleshooting, documentation. Candidates must pass the exam with a 75% or higher.	Electronics Technician Association International	www.eta-i.org				Yes	Network support services	Yes	Network support services
ETAIN010	Fiber Optics Technician (FOT)	A Fiber Optic Technician (FOT) has a full understanding of inside plant optical fiber, connector, and splice performance characteristics and can use these performance characteristics to create a worst case power budget for a fiber optic cable plant. An FOT can proficiently perform optical loss testing and perform connector endface evaluation. Using an OTDR an FOT can effectively locate faults in a fiber optic cable, mated connector pair, or splice as well as evaluate optical fiber performance, mated connector pair performance, or splice performance for compliance.	To be eligible to earn a Fiber Optics Technician (FOT), candidates must possess the Fiber Optics Installer certification, have completed training at an ETA approved training facility, passed a hand-on exam, and passed a written exam (FOT113). To earn a FOT certification, candidates have 2 hours to complete 75 multiple choice questions. Content includes: principles of fiber optic transmission, basic principles of light, optical fiber construction and theory, optical fiber characteristics, safety, fiber optic cables, types of splicing, connectors, sources, detectors and receivers, passive components and multiplexers, Passive Optical Networks (PON), cable installation and hardware, fiber optic system considerations, test equipment and link/cable testing, and troubleshooting and restoration. Candidates must pass the exam with a 75% or higher.	Electronics Technician Association International	www.eta-i.org				Yes	Network support services	Yes	Network support services
ETAIN011	Fiber Optics Technician-Outside Plant (FOT-OSP)	A Fiber Optic Technician – Outside Plant (OSP) must be able to properly terminate, test and troubleshoot singlemode fiber optic communication systems. This includes various types of termination techniques applicable to high speed laser based systems. Disciplines include mechanical and fusion splicing and the preparation of fiber optical cables and cable management products. Responsibilities include testing and troubleshooting of each element of the fiber optic communication systems along with unique test requirements of specific networks. Testing roles include optical loss testing of transmission equipment and fiber spans along with an understand–ing of OTDR theory and skills including acceptance testing and troubleshooting of fiber optic elements and spans. The FOT-OSP understands optical loss budgets, not to exceed loss budgets and has the knowledge and skills required for troubleshooting singlemode OSP fiber optic communications systems addressing the roles of attenuation, dispersion and refection and how to identify and troubleshoot each. The FOT-OSP should have a basic understanding of the National Electrical Safety Code (NESC) and the National Electrical Code (NEC) and all safety conditions specific to the outside plant environment and the applicable transmission equipment.	To be eligible to earn a Fiber Optic Technician – Outside Plant (OSP) certification, candidates must have completed training at an ETA approved training facility, passed a hand-on exam, and passed a written exam (FOT-OSP113). To earn a FOT-OSP certification, candidates have 2 hours to complete 75 multiple choice questions. Content includes: principles of light and fiber optic transmission theory, single-mode fiber, characteristics, construction and theory, terminology, definitions and abbreviations used in OSP fiber optics single-mode fibers in WAN, MAN, FTTX and premises networks, fiber optic cables, active devices, connectors, passive components, types of splicing, cable installation, hardware, fiber optic link, optical fiber measurement and testing, link and cable testing, and safety. Candidates must pass the exam with a 75% or higher.	Electronics Technician Association International	www.eta-i.org				Yes	Network support services	Yes	Network support services
ETAIN012	Photonics Technician - Operator (PTO)	Photonics Technician - Operators (PTO) work in jobs where they assemble, measure, test, and repair optical components such as lenses, mirrors, filters, fiber optics and electro-optic or other photonics devices plus optical sources such as lasers and light-emitting diodes (LEDs). Technicians typically work in applications where photonics is an "enabling technology"- such as manufacturing/materials processing, internet/communications, biomedical equipment, and defense/homeland security systems development/integration.	To be eligible to earn a Photonics Technician - Operator (PTO) certification, candidates must have completed training at an ETA approved training facility, passed a hand-on exam, and passed four written exams. To earn a PTO certification, candidates have 2 hours per exam to complete an Applied Mathematics exam (63 multiple choice questions), a Principles of Optics exam (102 multiple choice questions), a PTO Laser Basics exam (30 multiple choice questions), and a Safety exam (38 multiple choice questions). Candidates, who have already taken and passed the Safety exam with a separate certification, will receive credit towards this certification. The Applied Mathematics exam content includes: understanding and utilizing basic math skills, understanding and utilizing basic algebra skills, understanding graphs, and reading scale drawings. The Principles of Optics exam content includes: basic nature of light, geometric optics, and wave optics. The PTO Laser Basics exam content includes: characteristics of laser light versus incoherent light, light generation/emission, simulated emissions, light amplification, basic laser design, characteristics of different types of lasers, user of optical mounts and laser structures, and basic principles and applications of optical fibers. The Safety exam content includes: laser safety concepts, and knowledge of other basic safety procedures in most photonics applications. Candidates must pass all written exams with a 75% or higher.	Electronics Technician Association International	www.eta-i.org				Yes	Network support services	Yes	Network support services

DOE Code	Certification/ Credential Title	Certification Description	Certification Requirements	Issuing Organization/Provider	Agency Website	New to List	Certification Version, if applicable	Differentiated Waiver of Certification Requirements[1]	Eligible for District Performance Incentive Funds[2]	District Performance Funding Area	Eligible for College Performance Incentive Funds[3]	College Performance Funding Area
ETAIN013	Photonics Technician Specialist (PTS)	Photonics Technician Specialists (PTS) work in jobs where they assemble, measure, test, and repair optical components such as lenses, mirrors, filters, fiber optics and electro-optic or other photonics devices plus optical sources such as lasers and light-emitting diodes (LEDs). They typically work in applications such as research and development laboratories; product development, test, and production specialists who are team members for original equipment manufacturers (OEMs) of lasers, optics, and photonics components and systems; field service specialists for OEMs or companies that manufacture and/or utilize lasers, optics, and photonics components and systems.	To be eligible to earn a Photonics Technician Specialist (PTS) certification, candidates must have completed training at an ETA approved training facility, passed a hands-on exam, and passed four written exams. To earn a PTS certification, candidates have 2 hours per exam to complete an Applied Mathematics exam (90 multiple choice questions), a Principles of Optics exam (117 multiple choice questions), a PTS Laser Basics exam (52 multiple choice questions), and a Safety exam (38 multiple choice questions). Candidates, who have already taken and passed the Safety exam with a separate certification, will receive credit towards this certification. The Applied Mathematics exam content includes: understanding and utilizing basic math skills, understanding and utilizing basic algebra skills, understanding graphs, reading scale drawings, and understanding and utilizing basic geometry and trigonometry skills. The Principles of Optics exam content includes: basic nature of light, geometric optics, and wave optics. The PTS Laser Basics exam content includes: characteristics of laser light versus incoherent light, light generation/emission, simulated emissions, light amplification, basic laser design, characteristics of different types of lasers, user of optical mounts and laser structures, basic principles and applications of optical fibers, Q-switching and nonlinear optics, methods to control or modify laser beams, and properties of coating materials. The Safety exam content includes: laser safety concepts, and knowledge of other basic safety procedures in most photonics applications. Candidates must pass all written exams with a 75% or higher.	Electronics Technician Association International	www.eta-i.org				Yes	Network support services	Yes	Network support services
ETAIN014	Photovoltaic Installer (PVI) - Level 1	Candidates with the Photovoltaic Installer (PVI) - Level 1 certification work at an apprentice level and are knowledgeable in topics such as solar resources and principles; selection identification; proper installation sequence, performance characteristics and troubleshooting methods; permitting best safety practices; and potential economic impact of renewable energy.	To be eligible to earn a Photovoltaic Installer (PVI) - Level 1 certification, candidates must attend an ETAI approved school or have a minimum of 12 months of OJT training with an ETAI approved employer, pass a hands-on assessment, and pass a written assessment. Candidates with OJT training are exempt from the hand-on assessment requirement. To earn a PVI-Level 1 certification, candidates have 2 hours to complete 75 multiple choice questions. Content includes: introduction to renewable energy technologies, advancement of photovoltaic technology, photovoltaic safety, terminology, codes and standards, theory of operation, applied calculations and formulas, estimating home energy needs, plans and blueprints, installation, PV system maintenance performance and troubleshooting. All levels of PVI Installer are assessed using the same set of content and hands-on skills; candidates attempting the higher level exams are expected to demonstrate a higher level of proficiency on the hands-on skills and higher level knowledge skills to answer written questions. Candidates must pass all written exams with a 75% or higher.	Electronics Technician Association International	www.eta-i.org				Yes	Network support services	Yes	Network support services
ETAIN019	Small Wind Installer (SWI) - Level 1	Candidates with the Small Wind Installer (SWI) – Level 1 certification work at an apprentice level and are knowledgeable in wind power energy generation under 100 kW, including topics such as theory of wind energy and electrical generation; site evaluation; design and selection of wind systems; proper installation, components and trouble-shooting methods; safety; finance; and environmental assessment and management.	To be eligible to earn a Small Wind Installer (SWI) - Level 1 certification, candidates must attend an ETAI approved school or have a minimum of 12 months of OJT training with an ETAI approved employer, pass a hands-on assessment, and pass a written assessment. Candidates with OJT training are exempt from the hand-on assessment requirement. To earn a SWI - Level 1 certification, candidates have 2 hours to complete 86 multiple choice questions. Content includes: theory of wind energy, site evaluation, safety, small wind electrical generation system theory, codes and standards, applied calculations and formulas, estimating home energy needs, plans and blueprints, installation, small wind system maintenance, and terminology. Candidates must pass all written exams with a 75% or higher.	Electronics Technician Association International	www.eta-i.org				Yes	Network support services	Yes	Network support services
ETAIN022	Specialist in Precision Optics (SPO)	A certified Specialist in Precision Optics (SPO) produces, tests, and handles optical (infrared, visible, and ultraviolet) components that are used in lasers and sophisticated electro-optical systems for defense, homeland security, aerospace, biomedical equipment, digital displays, renewable energy production, and nanotechnology. SPOs also integrate precision optical components into these electro-optical systems and maintain them, including handling, storage and transport. SPOs will also have experience in shaping, polishing, and coating precision optics; using optical instruments; understanding procedures and guidelines for verifying optical component dimensions and tolerances.	To be eligible to earn a Specialist in Precision Optics (SPO) certification, candidates must possess the Technician in Precision Optics (TPO) certification, have completed training at an ETA approved training facility, passed a hand-on exam, and pass three written exams. To earn a SPO certification, candidates have 2 hours per exam to complete a Safety exam (38 multiple choice questions, an Applied Mathematics exam (80 multiple choice questions), and a Principles of Optics exam (107 multiple choice questions). Candidates, who have already taken and passed the Safety exam with a separate certification, will receive credit towards this certification. The Applied Mathematics exam content includes: understanding and utilizing basic math skills, understanding and utilizing basic algebra skills, understanding and utilizing basic geometry and trigonometry skills, understanding graphs, and reading scale drawings. The Principles of Optics exam content includes: basic nature of light, geometric optics, and wave optics. The Safety exam content includes: laser safety concepts, and knowledge of other basic safety procedures in most photonics applications. Candidates must pass all written exams with a 75% or higher.	Electronics Technician Association International	www.eta-i.org				Yes	Network support services	Yes	Network support services
ETAIN023	Technician in Precision Optics (TPO)	A certified Technician in Precision Optics (TPO) works in optical component fabrication technical areas in optical shops, optics manufacturers and in quality control departments (incoming and/or outgoing inspection) for organizations that incorporate precision optics into various systems. They must be able to examine the properties and uses of a variety of bulk materials; have experience in the use of equipment and procedures for shaping, polishing, and coating precision optics; and be able to use optical instruments, procedures and guidelines for verifying optical component dimensions and tolerances. They can also handle, store and ship precision optical components.	To be eligible to earn a Technician in Precision Optics (TPO) certification, candidates must have completed training at an ETA approved training facility, passed a hand-on exam, and pass two written exams. To earn a TPO certification, candidates have 2 hours per exam to complete a Safety exam (38 multiple choice questions). Candidates have 2 hours per exam to complete an Applied Mathematics exam (60 multiple choice questions). Candidates, who have already taken and passed the Safety exam with a separate certification, will receive credit towards this certification. The Applied Mathematics exam content includes: understanding and utilizing basic math skills, understanding and utilizing basic algebra skills, and understanding and utilizing basic geometry and trigonometry skills. The Safety exam content includes: laser safety concepts, and knowledge of other basic safety procedures in most photonics applications. Candidates must pass all written exams with a 75% or higher.	Electronics Technician Association International	www.eta-i.org				Yes	Network support services	Yes	Network support services
FDMQA002	Certified Nursing Assistant (CNA)	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. Nursing assistants certified out-of-state wishing to transfer their certification to Florida may apply for reciprocity.	Florida Department of Health	www.doh.state.fl.us/mqa/				Yes	Health Sciences - Certified nursing assistant	Yes	Health Sciences
FDMQA010	Licensed Dental Hygienist	This licensure allows the individual to perform service for the public as a dental hygienist pursuant to requirements established in section 466.007, Florida Statutes. A qualified applicant must successfully complete the following to be licensed as a dental hygienist in this state: A written examination on the laws and rules of the state regulating the practice of dental hygiene; and A practical and clinical examination, which shall be administered and graded by dentists and dental hygienists licensed in this state and employed by the department for just such purpose.	Procedures for applying for this license may be viewed at http://www.doh.state.fl.us/mqa/dentistry/dn_lic_req.html#Dental%20Hygiene.	Florida Department of Health	www.doh.state.fl.us/mqa/				No		Yes	Health Sciences
FDMQA014	Paramedic (EMT-P)	Paramedics (EMT-Ps) care for the sick or injured in emergency medical settings. People's lives often depend on their quick reaction and competent care. EMTs and paramedics respond to emergency calls, performing medical services and transporting patients to medical facilities.	All EMT and paramedic certification applicants must take and pass the state required examination to become Florida certified. Both exams are computer based. The required EMT exam is developed by the National Registry of Emergency Medical Technicians and the paramedic examination is state-developed. Prior to receiving Florida certification, each applicant must pass the Florida approved examination. •EMT candidates who received their training at a Florida approved EMT program will take the NREMT certification examination. •EMT candidates who are currently certified in good standing by another U.S. state or territory or by NREMT will take the NREMT written basic assessment exam •Paramedic candidates will take the state-developed examination. •Continuing Education is required.	Florida Department of Health	www.doh.state.fl.us/mqa/				Yes	Health Sciences - Emergency medical technician and paramedic	Yes	Health Sciences
FDMQA018	Licensed Physical Therapist Assistant	Physical therapists and physical therapist assistants (PTAs) under the direction and supervision of a physical therapist are the only providers of physical therapy services. In many practice settings, physical therapists rely on the PTA to assure that all patients/clients have access to physical therapy services. Physical therapy has a long history of returning individuals to their maximum level of physical function and in many cases, patients are being sent to physical therapy instead of surgery. Patients/clients value the individualized, "hands on" approach that characterizes physical therapy care. When a physical therapist sees a patient/client for the first time, he or she examines that individual and develops a plan of care that promotes the ability to move, reduces pain, restores function, and prevents disability.	If you have passed the NPTE, you must have your score report transferred from the Federation of State Boards of Physical Therapy (FSBPT), www.fsbpt.net/pt. Applicants must have graduated from a school giving a course of not less than two years for physical therapist assistants, which has been approved for the educational preparation of physical therapist assistants by the appropriate accrediting agency recognized by: •the Commission on Recognition of Postsecondary Accreditation or; •the United States Department of Education, which includes, but is not limited to, any regional or national institutional accrediting agencies recognized by the United States Department of Education; or •the Commission on Accreditation for Physical Therapy Education (CAPTE).	Florida Department of Health	www.doh.state.fl.us/mqa/				No		Yes	Health Sciences

DOE Code	Certification/ Credential Title	Certification Description	Certification Requirements	Issuing Organization/Provider	Agency Website	New to List	Certification Version, if applicable	Differentiated Waiver of Certification Requirements[1]	Eligible for District Performance Incentive Funds[2]	District Performance Funding Area	Eligible for College Performance Incentive Funds[3]	College Performance Funding Area
FDMQA025	Licensed Optician	Licensed opticians help fit eyeglasses and contact lenses, following prescriptions from ophthalmologists and optometrists. They also help customers decide which eyeglass frames or contact lenses to buy.	The department shall certify eligible for the licensure examination each applicant who: •Has completed the application form and remitted the required fees; •Is not less than 18 years of age; •Is a graduate of an accredited high school or possesses a certificate of equivalency of a high school education; •Successfully passed the National Opticianry Competency Examination within three years of application or has current ABO certification; •Successfully passed the Contact Lens Registry Examination within three years of application or has current NCLE certification; and •Has completed one of the following: •Received an associate degree, or equivalent, in opticianry from an accredited school; or •Is licensed to practice opticianry in another state and has actively practiced in such state for more than 3 of the last 5 years; or •Has actively practiced opticianry in a state in which licensure is not required for more than 5 of the last 7 years and provides tax records, business records, affidavits, etc. documenting such; or •Has registered as an apprentice with the department and completed 6,240 hours of training under their registered sponsor(s). These requirements must be met within 5 years after the date of registration.	Florida Department of Health	www.doh.state.fl.us/mqa/				No		Yes	Health Sciences
FDMQA030	911 Public Safety Telecommunicator	"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	Florida Department of Health	www.doh.state.fl.us/mqa/				Yes	Public Safety Telecommunicator	Yes	Public safety
FEDAA001	FAA Air Traffic Control Specialist	This certification cannot be achieved except by completing the FAA Air Traffic Academy program at Oklahoma City, OK. However, the FAA has partnerships with many colleges and universities that offer two- and four-year non-engineering degrees that teach basic courses in air traffic control. The Air Traffic Collegiate Training Initiative (AT-CTI) program is designed to provide qualified applicants to fill developmental air traffic control specialist positions.	Information about the procedures for earning certification as an Air Traffic Control Specialist may be viewed at http://www.faa.gov/about/office_org/headquarters_offices/ahr/jobs_careers/occupations/atc/.	Federal Aviation Administration	www.faa.gov/licenses_certificates/				No		No	
FEDAA002	FAA Aviation Maintenance Technician - General	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.	Federal Aviation Administration	www.faa.gov/licenses_certificates/			Waiver of work experience requirement	Yes	Federal Aviation Administration airframe mechanics	Yes	Federal Aviation Administration airframe mechanics
FEDAA004	FAA Aviation Mechanic Technician - Airframe	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.	Federal Aviation Administration	www.faa.gov/licenses_certificates/				Yes	Federal Aviation Administration airframe mechanics	Yes	Federal Aviation Administration airframe mechanics
FEDAA005	FAA Certified Flight Instructor License	A candidate for a Flight Instructor Certificate must hold a Commercial Pilot Certificate, and must successfully pass the Fundamentals of Instructing (FOI), and Flight Instructor FAA Knowledge Test and a Practical Test. The Practical Test consists of an oral examination and a flight test.	Information about the procedures to be followed to become a certified flight instructor may be viewed at http://www.skywalkinc.com/InstructorPilot.html.	Federal Aviation Administration	www.faa.gov/licenses_certificates/				No		No	
FEDAA006	FAA Commercial Pilot	There are seven different Commercial Pilot examinations for: Commercial Pilot – Airplane; Commercial Pilot – Rotorcraft-Helicopter; Commercial Pilot – Rotorcraft-Gyroplane; Commercial Pilot – Glider; Commercial Pilot – Balloon-Hot Air; Commercial Pilot – Balloon-Gas; and Commercial Pilot – Lighter-than-Air -- Airship. The FAA Commercial Pilot knowledge examinations each contain 100 Multiple-choice questions. The material covered in each exam is outlined in FAA-G-8082-5D, Commercial Pilot Knowledge Test Guide which may be viewed at http://www.faa.gov/training_testing/testing/airmen/test_guides/media/FAA-G-8082-5D.pdf . Each question can be answered by the selection of a single response. Each test question is independent of other questions; therefore, a correct response to one does not depend upon, or influence, the correct response to another. The test must be completed within three hours and the minimum passing score is 70 percent.	Testing procedures may be viewed online in FAA-G-8082-5D, Commercial Pilot Knowledge Test Guide http://www.faa.gov/training_testing/testing/airmen/test_guides/media/FAA-G-8082-5D.pdf .	Federal Aviation Administration	www.faa.gov/licenses_certificates/				No		No	
FEDAA010	FAA Aviation Maintenance Technician - Powerplant	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.	Federal Aviation Administration	www.faa.gov/licenses_certificates/				Yes	Federal Aviation Administration power plant mechanics	Yes	Federal Aviation Administration power plant mechanics
FEDAA011	FAA Private Pilot	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 that you have satisfactorily completed 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.	Federal Aviation Administration	www.faa.gov/licenses_certificates/				No		No	
FLDEP001	Wastewater Treatment Plant Operator Level A	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.	You must complete an examination application for either and submit it to the department for approval. In addition to this form you 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 your 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.	Florida Department of Environmental Protection	www.dep.state.fl.us/				No		No	

DOE Code	Certification/ Credential Title	Certification Description	Certification Requirements	Issuing Organization/Provider	Agency Website	New to List	Certification Version, if applicable	Differentiated Waiver of Certification Requirements[1]	Eligible for District Performance Incentive Funds[2]	District Performance Funding Area	Eligible for College Performance Incentive Funds[3]	College Performance Funding Area
FLDEP002	Wastewater Treatment Plant Operator Level B	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.	You must complete an examination application for either and submit it to the department for approval. In addition to this form you 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 your 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.	Florida Department of Environmental Protection	www.dep.state.fl.us/				No		No	
FLDEP003	Wastewater Treatment Plant Operator Level C	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.	You must complete an examination application for either and submit it to the department for approval. In addition to this form you 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 your 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.	Florida Department of Environmental Protection	www.dep.state.fl.us/				No		No	
FLDEP004	Water Treatment Plant Operator Level A	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.	You must complete an examination application for either and submit it to the department for approval. In addition to this form you 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 your 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.	Florida Department of Environmental Protection	www.dep.state.fl.us/				No		No	
FLDEP005	Water Treatment Plant Operator Level B	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.	You must complete an examination application for either and submit it to the department for approval. In addition to this form you 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 your 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.	Florida Department of Environmental Protection	www.dep.state.fl.us/				No		No	
FLDEP006	Water Treatment Plant Operator Level C	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.	You must complete an examination application for either and submit it to the department for approval. In addition to this form you 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 your 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.	Florida Department of Environmental Protection	www.dep.state.fl.us/				No		No	
FLDLE001	Auxiliary Law Enforcement Officer	In 1993, the Criminal Justice Standards and Training Commission (CJSTC) adopted the State Officer Certification Examination (SOCE) for graduates of the law enforcement, correctional and correctional probation basic recruit academies, and candidates seeking an exemption from a Commission-approved basic recruit training program. The SOCE assures the citizens of Florida that each person employed or appointed as a sworn officer in Florida possesses the minimum knowledge required to perform competently. Under the provisions of section 943.1397, F.S., an applicant will have three attempts to pass the SOCE and shall not be certified until achieving a passing score.	There are four primary steps to becoming a certified officer in Florida: Meet the minimum requirements (see Testing Prerequisites); Complete the required training; Pass the State Officer Certification Exam (SOCE); and Become employed as a sworn officer. The contents of the SOCE reflect the approved curriculum of the law enforcement academies. Additional information about becoming a certified officer in Florida may be viewed at http://www.fdle.state.fl.us/cjst/OfficerRequirements/HowToBeOfficer.html.	Florida Department of Law Enforcement, Criminal Justice Standards and Training Commission	http://www.fdle.state.fl.us/Content/CJST/Menu/cjst-index/CJSTC-Home-Page.aspx				No		No	
FLDLE002	Correctional Officer	In 1993, the Criminal Justice Standards and Training Commission (CJSTC) adopted the State Officer Certification Examination (SOCE) for graduates of the law enforcement, correctional and correctional probation basic recruit academies, and candidates seeking an exemption from a Commission-approved basic recruit training program. The SOCE assures the citizens of Florida that each person employed or appointed as a sworn officer in Florida possesses the minimum knowledge required to perform competently. Under the provisions of section 943.1397, F.S., an applicant will have three attempts to pass the SOCE and shall not be certified until achieving a passing score.	There are four primary steps to becoming a certified officer in Florida: Meet the minimum requirements (see Testing Prerequisites); Complete the required training; Pass the State Officer Certification Exam (SOCE); and Become employed as a sworn officer. The contents of the SOCE reflect the approved curriculum of the law enforcement academies. Additional information about becoming a certified officer in Florida may be viewed at http://www.fdle.state.fl.us/cjst/OfficerRequirements/HowToBeOfficer.html.	Florida Department of Law Enforcement, Criminal Justice Standards and Training Commission	http://www.fdle.state.fl.us/Content/CJST/Menu/cjst-index/CJSTC-Home-Page.aspx				Yes	Corrections Officer	Yes	Public safety
FLDLE003	Correctional Probation Officer	In 1993, the Criminal Justice Standards and Training Commission (CJSTC) adopted the State Officer Certification Examination (SOCE) for graduates of the law enforcement, correctional and correctional probation basic recruit academies, and candidates seeking an exemption from a Commission-approved basic recruit training program. The SOCE assures the citizens of Florida that each person employed or appointed as a sworn officer in Florida possesses the minimum knowledge required to perform competently. Under the provisions of section 943.1397, F.S., an applicant will have three attempts to pass the SOCE and shall not be certified until achieving a passing score.	There are four primary steps to becoming a certified officer in Florida: Meet the minimum requirements (see Testing Prerequisites); Complete the required training; Pass the State Officer Certification Exam (SOCE); and Become employed as a sworn officer. The contents of the SOCE reflect the approved curriculum of the law enforcement academies. Additional information about becoming a certified officer in Florida may be viewed at http://www.fdle.state.fl.us/cjst/OfficerRequirements/HowToBeOfficer.html.	Florida Department of Law Enforcement, Criminal Justice Standards and Training Commission	http://www.fdle.state.fl.us/Content/CJST/Menu/cjst-index/CJSTC-Home-Page.aspx				Yes	Corrections Officer	Yes	Public safety
FLDLE004	Law Enforcement Officer	In 1993, the Criminal Justice Standards and Training Commission (CJSTC) adopted the State Officer Certification Examination (SOCE) for graduates of the law enforcement, correctional and correctional probation basic recruit academies, and candidates seeking an exemption from a Commission-approved basic recruit training program. The SOCE assures the citizens of Florida that each person employed or appointed as a sworn officer in Florida possesses the minimum knowledge required to perform competently. Under the provisions of section 943.1397, F.S., an applicant will have three attempts to pass the SOCE and shall not be certified until achieving a passing score.	FThere are four primary steps to becoming a certified officer in Florida: Meet the minimum requirements (see Testing Prerequisites); Complete the required training; Pass the State Officer Certification Exam (SOCE); and Become employed as a sworn officer. The contents of the SOCE reflect the approved curriculum of the law enforcement academies. Additional information about becoming a certified officer in Florida may be viewed at http://www.fdle.state.fl.us/cjst/OfficerRequirements/HowToBeOfficer.html.	Florida Department of Law Enforcement, Criminal Justice Standards and Training Commission	http://www.fdle.state.fl.us/Content/CJST/Menu/cjst-index/CJSTC-Home-Page.aspx				Yes	Law Enforcement Officer	Yes	Public safety

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FLSFM006	Fire Fighter II	The minimum standards certification course for certified Firefighter II's is a mentally, physically, and emotionally challenging program that includes extensive classroom and practical elements. The "Minimum Standards Course" collectively for Firefighter training is 398 hours IAW 69A-37.055 F.A.C.	Minimum qualifications for certification as a firefighter: 1) be at least 18yrs of age; 2) have a high school diploma or equivalent, as the term may be determined by the division; 3) Not have been convicted of a misdemeanor relating to the certification or to perjury or false statements, or a felony or a crime punishable by imprisonment of 1 year or more under the law of the United States or of any state thereof or under the law of any other country or dishonorably discharged from any of the Armed Forces of the United States. 4) Submit a set of fingerprints to the division with a current processing fee. The fingerprints will be forwarded to the Department of Law Enforcement for state processing and forwarded to the Department of Law Enforcement to the Federal Bureau of Investigation for national processing. 5) Have a good moral character as determined by investigation under procedure established by the division; 6)be in excellent physical condition; 7) Be a nonuser of tobacco or tobacco products for at least 1 year immediately preceding application, as evidenced by the sworn affidavit of the applicant; 8) Satisfactorily completes the Minimum Standards Course.	Florida Department of Financial Services, State Fire Marshal, Bureau of Fire Standards & Training	www.myfloridacfo.com/sfm/				No		Yes	Public safety
FLSFM007	Fire Safety Inspector I	Fire safety inspectors, also known as fire inspectors, examine buildings, homes and other facilities to ensure that they meet applicable fire safety codes and regulations. As a fire inspector, your job duties may include approving building design plans to ensure fire safety, writing detailed reports of the buildings you've inspected, verifying fire escape routes and reporting fire hazards in public buildings.	To be certified as a Firesafety Inspector I in the State of Florida, an individual must successfully complete 200 hours of basic certification training for Firesafety Inspectors, or have received equivalent training in another state, and pass a state written examination. Documentation of training is to be submitted with the required Application for Firesafety Inspector Certification Examination (DFS-K4-1023), Personal Inquiry Waiver (DFS-K4-1020), along with all other supporting documents, at least 10 business days prior to the scheduled test date.	Florida Department of Financial Services, State Fire Marshal, Bureau of Fire Standards & Training	www.myfloridacfo.com/sfm/				No		Yes	Public safety
FLVMA002	Certified Veterinary Assistant (CVA)	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 your 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.	Florida Veterinary Medical Association	www.fvma.com/				No		No	
FNGLA002	Certified Landscape Contractor	FNGLA's Certified Landscape Contractor (FCLC) program is designed for owners, managers and supervisors of landscape contracting, landscape management or design build firms, as well as government agencies, parks departments and developers. FCLC provides a way for government agencies, landscape architects, companies and individuals to choose qualified professionals in a state that does not require licensing of landscape contractors. Exams will cover principles of contracts, insurance, lien laws, sales; marketing, accounting, estimating; bidding, subcontractors, purchasing, codes; ordinances, fertilization, irrigation and best management practices.	Three part exam including: FNGLA Certified Horticulture Professional exam is a 3 hour written test measuring proficiency in horticultural practices. FNGLA Certified Landscape Technician (FCLT) field exam Written exams covering principles of plant identification, landscape laws and contracts, financial management, estimating, local codes and ordinances and best management practices.	Florida Nursery Growers and Landscape Association	www.fngla.org/				No		No	
FNGLA003	Certified Landscape Designer	FNGLA's Certified Landscape Designer (FCLD) program is a professional designation for practicing Landscape Designers and provides consumers a way to choose qualified design professionals. It is designed for landscape design professionals in landscape design firms or private business as well as landscape designers in government agencies. Information about the exam contents may be viewed under the heading "About the Exams" at: http://www.fngla.org/certification/FCLD.asp	Those qualified to sit for the FCLD exam must have two years' professional landscape design experience. FNGLA's Certified Horticulture Professional (FCHP) exam is a pre-requisite for anyone wishing to earn the FCLD designation. Following completion of the FCLD written exams, the applicant must submit a completed landscape plan with photos and letters of reference to complete the exam process. The exam is a three-part process. The first step is the FNGLA Certified Horticulture Professional (FCHP) written exam. (Please see the FCHP page for more information on this exam.)The FCLD written exam is available online and can be taken upon successful completion of the FCHP written exam. The final element is a plan submittal that will be reviewed by the FNGLA Certified Landscape Design Judging Committee. Exams will cover principles of Plant Identification, Selection, Placement, and Protection, Sustainable Practices, Design, Business Management, Project Management and Codes; Laws. Once both the FCHP written exam and the FCLD written exam have been completed, the applicant will submit a plan, either CAD or hand-rendered, to be reviewed.	Florida Nursery Growers and Landscape Association	www.fngla.org/				No		No	
FNGLA004	Certified Landscape Technician	FNGLA's Certified Landscape Technician (FCLT) program is offered as a stand-alone certification and is designed for employees of landscape contracting design/build and installation firms, as well as state, county; municipal governments, parks; recreation departments and land; home developers.	FNGLA's FCLT exam is a one day exam encompassing 12 field exam sections. FCLT field exam section must be passed with a minimum 70% in order to earn the FCLT certification. Field Exams include: Plant ID Plan Layout Tree Planting Tree Staking; Guying Palm Banding; Propping Grading; Drainage Instrument Irrigation Operation; Repair Pruning Job Evaluation Equipment Operation	Florida Nursery Growers and Landscape Association	www.fngla.org/				No		No	
FPARA001	Certified Florida Paralegal	The FCP examination has two sections: (1) Ethics, Civil procedure and Florida General Law that includes Florida's Court System, basic criminal law, basic property law, basic estate and probate law, basic family law and basic business law and (2) the additional choice of either real estate, probate law, business law, family law or criminal law.	The FCP examination is a three-hour, in-depth examination that covers Florida law. The exam consists of multiple choice, true/false, matching questions, and an essay in the chosen specialty.	Paralegal Association of Florida	www.pafinc.org/				No		No	
GLIAC001	GIAC Certified Forensic Analyst (GCFA)	A Certified Forensic Analyst (GCFA) has the knowledge, skills, and ability to conduct formal incident investigations and handle advanced incident handling scenarios, including internal and external data breach intrusions, advanced persistent threats, anti-forensic techniques used by attackers, and complex digital forensic cases. GFCAs include professionals working in the information security, computer forensics, and incident response fields.	To be eligible to earn a Certified Forensic Analyst (GCFA) certification, candidates must successfully pass a single exam. To earn a GFCA certification, candidates have 3 hours to complete 115 questions. Content includes: acquiring and analyzing volatile data, analyzing timelines, data layer examination, digital forensic investigation methodology, digital forensics and incident response, forensic intrusion analysis, metadata and filename layers, and operating systems and file systems. Candidates must pass the exam with a 69% or higher.	Global Information Assurance Certification	www.giac.org				Yes	Cybersecurity	Yes	Cybersecurity
GLIAC002	GIAC Certified Forensic Examiner (GCFE)	A Certified Forensic Examiner (GCFE) has the knowledge, skills, and ability to conduct typical incident investigations including e-Discovery, forensic analysis and reporting, evidence acquisition, browser forensics and tracing user and application activities on Windows systems. GCFEs include professionals working or interested in the information security, legal and law enforcement industries with a need to understand computer forensic analysis.	To be eligible to earn a Certified Forensic Examiner (GCFE) certification, candidates must successfully pass a single exam. To earn a GCFE certification, candidates have 3 hours to complete 115 questions. Content includes: browser forensics, digital forensics fundamentals, evidence acquisition, preparation and preservation, file and program activity analysis, log analysis, system and device profiling and analysis, and user communications analysis. Candidates must pass the exam with a 71% or higher.	Global Information Assurance Certification	www.giac.org				Yes	Cybersecurity	Yes	Cybersecurity
GLIAC003	GIAC Certified UNIX Security Administrator (GCUX)	A Certified UNIX Security Administrator (GCUX) has the knowledge, skills and abilities to secure and audit UNIX and Linux systems. GCUSs include professionals responsible for installing, configuring, and monitoring UNIX and/or Linux systems.	To be eligible to earn a Certified UNIX Security Administrator (GCUX) certification, candidates must successfully pass a single exam. To earn a GCUX certification, candidates have 2 hours to complete 75 questions. Content includes: AIDE, Apache, best practices for kernel tuning and warning banners, boot services, chroot(), DNS-BIND, DNSSec, evidence collection and preservation, forensic analysis, forensic preparation and incident handling, host based firewalls – iptables, intro to forensics, OS install and patching, physical, user account, and password access control, SELinux, sendmail, SSH, stack smashing, Sudo, Syslog-NG, and Unix logging. Candidates must pass the exam with a 65.3% or higher.	Global Information Assurance Certification	www.giac.org				Yes	Cybersecurity	Yes	Cybersecurity
GLIAC004	GIAC Information Security Fundamentals (GISF)	A person certified in Information Security Fundamentals (GISF) is able to demonstrate key concepts of information security including: understanding the threats and risks to information and information resources, identifying best practices that can be used to protect them, and learning to diversify our protection strategy. GISFs include professionals such as managers, information security officers, and system administrators who need an overview of risk management and defense in depth techniques.	To be eligible to earn an Information Security Fundamentals (GISF) certification, candidates must successfully pass a single exam. To earn a GISF certification, candidates have 2 hours to complete 75 questions. Content includes: attacks and countermeasures, building security policies, cryptosystems, cryptography, and algorithms, defense in depth, designing and implementing networks, fundamental security concepts, networking and routing concepts, risk and vulnerability assessment and management, security as a process, and wireless technologies. Candidates must pass the exam with a 70% or higher.	Global Information Assurance Certification	www.giac.org				Yes	Cybersecurity	Yes	Cybersecurity
GLIAC005	GIAC Security Essentials (GSEC)	A person certified in Security Essentials (GSEC) demonstrates they are qualified for IT systems hands-on roles with respect to security tasks. This includes security professionals who are able to demonstrate an understanding of information security beyond simple terminology and concepts.	To be eligible to earn a Security Essentials (GSEC) certification, candidates must successfully pass a single exam. To earn a GSEC certification, candidates have 5 hours to complete 180 questions. Content includes: 802.11 protocols, access control theory,	Global Information Assurance Certification	www.giac.org				Yes	Cybersecurity	Yes	Cybersecurity

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HPCPY001	HP (Hewlett-Packard) Applied Technical Associate (HP-ATA) - Connected Devices	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.	Hewlett-Packard	www.hp.com/go/certification				Yes	Network support services	Yes	Network support services
HPCPY002	HP (Hewlett-Packard) Applied Technical Associate (HP-ATA) - Cloud	The HP ATA – Cloud certification provides the knowledge and experience required to discover a customer's business objectives and to design an end-to-end IT solution that meets the customer's requirements. This includes on premises elements, hosted and cloud services. In addition, knowledge and skill to deploy and troubleshoot the solution are also included.	The student is required to take the HP ATA Cloud course and exam. Each course is designed to be delivered within a single semester and includes both academic and practical elements.	Hewlett-Packard	www.hp.com/go/certification				Yes	Cloud virtualization	Yes	Cloud virtualization
HPCPY003	HP (Hewlett-Packard) Applied Technical Associate (HP-ATA) - Networks	The HP ATA - Networks certification provides the knowledge and experience required to discover a customer's business objectives and to design a wired and wireless switched and routed 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 Networks course and exam. Each course is designed to be delivered within a single semester and includes both academic and practical elements.	Hewlett-Packard	www.hp.com/go/certification				Yes	Network support services	Yes	Network support services
HPCPY004	HP (Hewlett-Packard) Applied Technical Associate (HP-ATA) - Servers & Storage	The HP ATA – Servers & Storage certification provides the knowledge and experience required to discover a customer's business objectives and to design an application hosting and data storage 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 Servers & Storage course and exam. Each course is designed to be delivered within a single semester and includes both academic and practical elements.	Hewlett-Packard	www.hp.com/go/certification				Yes	Network support services	Yes	Network support services
HVACE001	HVAC Excellence Employment Ready - Heat Pump	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.	HVAC Excellence	www.hvacexcellence.org				Yes	Heating, ventilation and air conditioning technician	Yes	Heating, ventilation and air conditioning technician
HVACE002	HVAC Excellence EmploymentReady - Air Conditioning	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.	HVAC Excellence	www.hvacexcellence.org				Yes	Heating, ventilation and air conditioning technician	Yes	Heating, ventilation and air conditioning technician
HVACE003	HVAC Excellence Employment Ready - Light Commercial Air Conditioning	HVAC Excellence Employment Ready Light Commercial Air Conditioning This certification covers: commercial AC systems & components, equipment installation & service, refrigeration theory & application, troubleshooting.	This 100 question exam covers: commercial AC systems & components, equipment installation & service, refrigeration theory & application, troubleshooting.	HVAC Excellence	www.hvacexcellence.org				Yes	Heating, ventilation and air conditioning technician	Yes	Heating, ventilation and air conditioning technician
HVACE004	HVAC Excellence Employment Ready - Electric Heat	HVAC Excellence Employment Ready-Electric Heat. This certification provides knowledge in systems & components, equipment - installation & service, heating systems & components, safety, theory & application, troubleshooting.	This 100 question exam covers: systems & components, equipment - installation & service, heating systems & components, safety, theory & application, troubleshooting.	HVAC Excellence	www.hvacexcellence.org				Yes	Heating, ventilation and air conditioning technician	Yes	Heating, ventilation and air conditioning technician
HVACE005	HVAC Excellence Employment Ready - Light Commercial Refrigeration	This certification is an aid in identifying the scope and level of a technician's competency with light commercial refrigeration. The commercial refrigeration technician must act quickly and accurately in troubleshooting and service situations. Competency is essential when perishables are at risk. HVAC Excellence offers progressive levels of certification that identify knowledge and skill levels of individual's through each phase of their career.	Persons who successfully pass their employment ready light commercial refrigeration exam are awarded an HVAC Excellence patch, a chevron for the light commercial refrigeration certification and a wall certificate. The electrical exam is recommended as a prerequisite for all other certifications in the HVAC Excellence program as a strong understanding of electrical fundamentals is crucial for a successful technician. This examination challenges students in the following areas of electrical knowledge: theory, safety, troubleshooting, motors, using meters and interpreting pictorial and schematic wiring diagrams. Passing HVAC Excellence exams can lead to advanced placement with the United Association, fast tracking a technician's career.	HVAC Excellence	www.hvacexcellence.org				Yes	Heating, ventilation and air conditioning technician	Yes	Heating, ventilation and air conditioning technician
HVACE006	HVAC Excellence Employment Ready - Gas Heat	HVAC Excellence Employment Ready Gas Heat This certification covers: combustion theory, electrical troubleshooting, furnace installation & service, furnace troubleshooting, heating safety, heating system & components.	This 100 question exam covers: combustion theory, electrical troubleshooting, furnace installation & service, furnace troubleshooting, heating safety, heating system & components.	HVAC Excellence	www.hvacexcellence.org				Yes	Heating, ventilation and air conditioning technician	Yes	Heating, ventilation and air conditioning technician
HVACE011	HVAC Excellence Employment Ready - Electrical	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.	HVAC Excellence	www.hvacexcellence.org	New			Yes	Heating, ventilation and air conditioning technician	Yes	Heating, ventilation and air conditioning technician
IACRB001	Certified Computer Forensics Examiner (CCFE)	A Certified Computer Forensics Examiner (CCFE) has knowledge of computer forensics evidence recovery and analysis process and requisite background knowledge of the complex legal issues that relate to the computer forensics field.	To be eligible to earn a Certified Computer Forensics Examiner (CCFE) certification, candidates must successfully pass a two-part exam. To earn a CCFE certification, candidates have 2 hours to complete part one of the exam, which consists of 50 multiple choice questions. Candidates that successfully pass the first section are given a take home portion of the exam to be completed using mock case files. Candidates have 60 days to complete the take-home portion of the exam, which includes a computer forensic examination of the case files, and a report that can be used as evidence in a court of law. Exam content includes: law, ethics and legal issues, the investigation process, computer forensic tools, hard disk evidence recovery and integrity, digital device recovery and integrity, file system forensics, evidence analysis and correlation, evidence recovery of windows-based systems, network and volatile memory forensics, and report writing.	Information Assurance Certification Review Board	www.iacertification.org				No		No	
ICOEC002	Certified Ethical Hacker (CEH)	A Certified Ethical Hacker (CEH) is an individual who is usually employed with the organization and who can be trusted to undertake an attempt to penetrate networks and/or computer systems using the same methods and techniques as a Hacker. CEHs include professionals such as security officers, auditors, security professionals, site administrators, and anyone who is concerned about the integrity of the network infrastructure.	To be eligible to earn a Certified Ethical Hacker (CEH) certification, candidates must have completed an approved training program or have two years of information security related experience, and successfully pass a single exam. To earn a CEH certification, candidates have 4 hours to complete 125 multiple choice questions. Content includes: introduction to ethical hacking, footprinting and reconnaissance, scanning networks, enumeration, system hacking, trojans and backdoors, viruses and worms, sniffers, social engineering, denial of service, session hijacking, hacking webservers, hacking web applications, SQL injection, hacking wireless networks, evading IDS, firewalls, and honeypots, buffer overflow, cryptography, and penetration testing. Candidates must pass the exam with a 70% or higher.	EC-Council	www.eccouncil.org/				Yes	Cybersecurity	Yes	Cybersecurity
ICOEC003	Computer Hacking Forensic Investigator (CHFI)	A Computer Hacking Forensic Investigator (CHFI) is an individual who is usually employed in professions with an investigative nature related to the process of detecting hacking attacks and properly extracting evidence to report the crime and conduct audits to prevent future attacks. CHFIs draw on an array of methods for discovering data that resides in computer systems and recovering deleted, encrypted, or damaged file information.	To be eligible to earn a Computer Hacking Forensic Investigator (CHFI) certification, candidates must have completed an approved training program or have two years of information security related experience, and successfully pass a single exam. To earn a CHFI certification, candidates have 4 hours to complete 150 multiple choice questions. Content includes: forensics science, computer forensics, forensics readiness, cyber crime, cyber crime investigation, corporate investigations, reporting a cyber crime.Candidates must pass the exam with a 70% or higher.	EC-Council	www.eccouncil.org/				Yes	Cybersecurity	Yes	Cybersecurity
ICOEC004	Certified Security Analyst (ECSA)	A Certified Security Analyst (ECSA) is an individual who knowledgeable in advanced uses of the LPT methodologies, tools and techniques required to perform comprehensive information security tests. ECSAs design, secure and test networks to protect organizations from the threats. ECSAs include professionals such as network server administrators, firewall administrators, security testers, system administrators and risk assessment professionals.	To be eligible to earn a Certified Security Analyst (ECSA) certification, candidates must have completed an approved training program or have two years of information security related experience, and successfully pass a single exam. To earn an ECSA certification, candidates have 2 hours to complete 50 multiple choice questions. Content includes: need for security analysis, advanced googling, TCP/IP packet analysis, advanced sniffing techniques, vulnerability analysis with Nessus, advanced wireless testing, designing a DMZ, short analysis, log analysis, advanced exploits and tools, and LPT methodologies. Candidates must pass the exam with a 70% or higher.	EC-Council	www.eccouncil.org/				Yes	Cybersecurity	Yes	Cybersecurity
IECON001	Field Service Engineer - Low Voltage Systems	Program provides 180 hours of classroom instruction each year by going to school two nights a week plus up-to-date job training over the course of the apprenticeship. After completing training program and on-the-job training, candidate will qualify for Journeyman Electrician licensing.	Allow usage of the 2014 National Electrical Code book. (Highlighting is allowed, but no writing is allowed in the Code Book. No use of notes, previous tests, or text books. Test time is 4 hours. Test is to be proctored at all times.	Independent Electrical Contractors	www.iecfwcc.org	New			Yes	Electrician	Yes	Electrician
IECON002	Field Service Engineer - Voice-Data-Video	Program provides 180 hours of classroom instruction each year by going to school two nights a week plus up-to-date job training over the course of the apprenticeship. After completing training program and on-the-job training, candidate will qualify for Journeyman Electrician licensing.	Allow usage of the 2014 National Electrical Code book. (Highlighting is allowed, but no writing is allowed in the Code Book. No use of notes, previous tests, or text books. Test time is 4 hours. Test is to be proctored at all times.	Independent Electrical Contractors	www.iecfwcc.org	New			Yes	Electrician	Yes	Electrician
IECON003	Journeyman Electrician	Program provides 180 hours of classroom instruction each year by going to school two nights a week plus up-to-date job training over the course of the apprenticeship. After completing training program and on-the-job training, candidate will qualify for Journeyman Electrician licensing.	Allow usage of the 2014 National Electrical Code book. (Highlighting is allowed, but no writing is allowed in the Code Book. No use of notes, previous tests, or text books. Test time is 4 hours. Test is to be proctored at all times.	Independent Electrical Contractors	www.iecfwcc.org	New			Yes	Electrician	Yes	Electrician
IECON004	Residential Wireman	Program provides 180 hours of classroom instruction each year by going to school two nights a week plus up-to-date job training over the course of the apprenticeship. After completing training program and on-the-job training, candidate will qualify for Journeyman Electrician licensing.	Allow usage of the 2014 National Electrical Code book. (Highlighting is allowed, but no writing is allowed in the Code Book. No use of notes, previous tests, or text books. Test time is 4 hours. Test is to be proctored at all times.	Independent Electrical Contractors	www.iecfwcc.org	New			Yes	Electrician	Yes	Electrician
IHKBZ001	CNC Production Specialist	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, CNC machining, and much more.	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.	IHK-Bildungszentrum	www.machiningtrainingsolutions.com/IHK.html				Yes	Advanced manufacturing	Yes	Advanced manufacturing
IISSC001	CISSP- Information Systems Security Management Professional (CISSP-ISSMP)	This certification provides information security professionals with not only an objective measure of competence but a globally recognized standard of achievement. The ISSMP credential demonstrates competence in the ten domains of the (ISC)² CISSP CBK. The ISSMP credential is ideal for mid- and senior-level managers who are working toward or have already attained positions as CISOs, CSOs or Senior Security Engineers.	The current requirements for the ISSMP call for four years of work experience in one or more of the ten domains of the CISSP CBK, or three years of experience with an applicable college degree or a credential from the (ISC)³ approved list. Candidates for the ISSMP must: be a CISSP in good standing ; pass the ISSMP examination; demonstrate two years of professional experience in the area of management; and maintain the credential in good standing.	International Information Systems Security Certification Consortium, Inc.	www.isc2.org			Waiver of work experience requirement	Yes	Cybersecurity	Yes	Cybersecurity

DOE Code	Certification/ Credential Title	Certification Description	Certification Requirements	Issuing Organization/Provider	Agency Website	New to List	Certification Version, if applicable	Differentiated Waiver of Certification Requirements[1]	Eligible for District Performance Incentive Funds[2]	District Performance Funding Area	Eligible for College Performance Incentive Funds[3]	College Performance Funding Area
IISSC002	Systems Security Certified Practitioner (SSCP)	The System Security Certified Practitioner (SSCP) is for those working towards positions such as Network Security Engineers, Security Systems Analysts, or Security Administrators. The SSCP consists of the following seven domains: Access Controls, Security Operations and Administration, Monitoring and Analysis, Risk, Response and Recovery, Cryptography, Networks and Communications, and Malicious Code and Activity.	The SSCP certification is open to all candidates with as little as one year experience. Passing score of 700 points or greater.	International Information Systems Security Certification Consortium, Inc.	www.isc2.org			Waiver of work experience requirement	Yes	Cybersecurity	Yes	Cybersecurity
IISSC003	Certified Cyber Forensics Professional (CCFP)	A Certified Cyber Forensics Professional (CCFP) demonstrates competence in established forensics disciplines and emerging disciplines such as mobile forensics, cloud forensics, and anti-forensics. CCFP's have expertise in forensic techniques and procedures, standards of practice, and legal and ethical principles related to reliable digital evidence admissible to a court of law. The CCFP credential is ideal for digital forensic examiners in law enforcement to support criminal investigations, cybercrime and cyber security professionals working in the public or private sectors, computer forensic engineers and managers working in corporate information security, digital forensic and e-discovery consultants focused on litigation support, cyber intelligence analysts working for defense/intelligence agencies, and computer forensic consultants working for management or specialty consulting firms.	To be eligible to earn a Certified Cyber Forensics Professional (CCFP) certification, candidates must meet the work experience requirement and pass the CCFP exam. Candidates with a four-year college degree leading to a Baccalaureate must demonstrate three years of full time digital forensics or IT security experience in three out of the six domains of the credential. Candidates who do not hold a four-year college degree leading to a Baccalaureate, must have six years of full time digital forensics or IT security experience in three out of the six domains of the credential. One year of the work experience may be waived for candidates without a 4 year degree, who have earned an alternate forensics certification on the (ISC)2 approved list. Candidates may sit for the exam before completing the work experience requirement and are issued the Associate of (ISC)2 for CCFP until they have documented the work experience. To earn a CCFP certification, candidates have 4 hours to complete 125 questions on the CCFP exam. Content includes: legal and ethical principles, investigations, forensic science, digital forensics, application forensics, and hybrid and emerging technologies. Candidates must pass each exam with a scaled score of 700 or higher out of 1000.	International Information Systems Security Certification Consortium, Inc.	www.isc2.org			Waiver of work experience requirement	Yes	Cybersecurity	Yes	Cybersecurity
IISSC004	Certified Information Systems Security Professional (CISSP)	A Certified Information Systems Security Professional (CISSP) includes information assurance professionals who define the architecture, design, management and/or controls that assure the security of business environments. The CISSP certification is ideal for security consultants, security managers, IT directors/managers, security auditors, security architects, security analysts, security systems engineers, Chief Information Security Officers, Directors of security, and network architects. Candidates interested in specializing in information systems security management, may apply this certification towards earning the CISSP- Information Systems Security Management Professional (CISSP-ISSMP) (IISSC001).	To be eligible to earn a CISSP certification, candidates must meet the work experience requirement and pass the CISSP exam. Candidates must demonstrate five years of full time paid work experience in two of the ten domains. One year of the work experience may be waived for candidates with a 4 year degree. Candidates may sit for the exam before completing the work experience requirement and are issued the Associate of (ISC)2 for CISSP until they have documented the work experience. To earn a CISSP certification, candidates have 6 hours to complete 250 questions on the CISSP exam. Content includes: access control, telecommunications and network security, information security governance and risk management, software development security, cryptography, security architecture and design, operations security, business continuity and disaster recovery planning, legal/regulations/investigations and compliance, and physical (environmental) security. Candidates must pass each exam with a scaled score of 700 or higher out of 1000.	International Information Systems Security Certification Consortium, Inc.	www.isc2.org			Waiver of work experience requirement	Yes	Advanced manufacturing	Yes	Advanced manufacturing
INSOC002	Certified Automation Professional (CAP)	A Certified Automation Professional (CAP) is responsible for the direction, definition, design, development/application, deployment, documentation, and support of systems, software, and equipment used in control systems, manufacturing information systems, systems integration, and operational consulting.	Related work experience Related work experience means a minimum of ten (10) years of work in the automation field. One (1) year of work experience means 1,500 hours of active employment. A cumulative total of 15,000 hours of documented work experience is required during the ten (10) year period prior to your application date. An Associate Degree in automation or a related technology from an accredited educational institution will count as two (2) years of work experience. - See more at: https://www.isa.org/training-and-requirements/isa-certification/cap/cap-	International Society of Automation	www.isa.org			Waiver of work experience requirement	Yes	Advanced manufacturing	Yes	Advanced manufacturing
INSOC003	Certified Control Systems Technician (CCST) - Level 1	A Certified Control Systems Technician (CCST) is responsible for the calibration, documentation, troubleshooting, and repair/replacement of instrumentation for systems that measure and control level, temperature, pressure, flow, and other process variables in the field of automation.	A five-year total of education, training, and/or experience. The following elements may be used to satisfy this requirement: A registered apprenticeship in an instrumentation, measurement and control, electronics, electrical, and/or mechanical program, if applicable. Academic degree (or equivalent) in a related technology area, to a maximum of four years. Successfully completing the CST Associate Recognition Program (a maximum of one year). A minimum of one year related work experience. - See more at: https://www.isa.org/training-and-certifications/isa-certification/ccst/ccst-requirements/#sthash.b3poL4GX.dpuf	International Society of Automation	www.isa.org			Waiver of work experience requirement	Yes	Advanced manufacturing	Yes	Advanced manufacturing
INSOC004	Certified Control Systems Technician (CCST) - Level 2	A Certified Control Systems Technician (CCST) is responsible for the calibration, documentation, troubleshooting, and repair/replacement of instrumentation for systems that measure and control level, temperature, pressure, flow, and other process variables in the field of automation.	A seven-year total of education, training, and/or experience. The following elements may be used to satisfy this requirement: A registered apprenticeship in an instrumentation, measurement and control, electronics, electrical, and/or mechanical program if applicable. Academic degree (or equivalent) in a related technology area, to a maximum of four years. Related work experience, including at least two years in instrumentation/measurement and control. - See more at: https://www.isa.org/training-and-certifications/isa-certification/ccst/ccst-requirements/#sthash.b3poL4GX.dpuf	International Society of Automation	www.isa.org			Waiver of work experience requirement	Yes	Advanced manufacturing	Yes	Advanced manufacturing
INSOC005	Certified Control Systems Technician (CCST) - Level 3	A Certified Control Systems Technician (CCST) is responsible for the calibration, documentation, troubleshooting, and repair/replacement of instrumentation for systems that measure and control level, temperature, pressure, flow, and other process variables in the field of automation.	A thirteen-year total of education, training, and/or experience. The following elements may be used to satisfy this requirement: A registered apprenticeship in an instrumentation, measurement and control, electronics, electrical, and/or mechanical program, if applicable. Academic degree (or equivalent) in a related technology area, to a maximum of four years. Related work experience, including at least five years in instrumentation/measurement and control. - See more at: https://www.isa.org/training-and-certifications/isa-certification/ccst/ccst-requirements/#sthash.b3poL4GX.dpuf	International Society of Automation	www.isa.org			Waiver of work experience requirement	Yes	Advanced manufacturing	Yes	Advanced manufacturing
IOEEE002	Certified Software Development Associate (CSDA)	A Certified Software Development Associate (CSDA) has entry level knowledge of software engineering principles and programs. CSDAs may be employed in the fields of software design, software testing, configuration management, and software maintenance.	To be eligible to earn a Certified Software Development Associate (CSDA) certification, candidates must successfully pass a single exam. To earn a CSDA certification, candidates have 180 minutes to complete the online exam. Exam content includes: software engineering development, software maintenance and management, software engineering support processes, and foundational knowledge of computing, mathematics, and engineering. Candidates must pass with a scaled score of 170 or higher out of 200.	IEEE Computer Society	www.computer.org				No		No	
JCAHO001	Certified Ophthalmic Medical Technologist (COMT)	The Certified Ophthalmic Medical Technologist (COMT) certification designation recognizes those individuals who have progressed through the COA and COT levels or are training program graduates as accomplished eye care professionals. The COMT designation confirms knowledge in 17 content areas that the ophthalmic professional seeking the COMT designation performs on a daily basis.	The COMT examination is given in two parts: a multiple-choice examination consisting of 160 scored questions which is three hours in length and a Performance Test consisting of five to twelve skill areas.	Joint Commission on Allied Health Personnel in Ophthalmology (JCAHPO)	www.jcahpo.org/certification/	New			No		Yes	Health Sciences
JCAHO002	Certified Ophthalmic Technician (COT)	The Certified Ophthalmic Technician is the second core designation level confirming knowledge in 19 specific content areas specifically designed to test the certified ophthalmic assistant or program graduate who intends to advance their career in the eye care field.	The COT examination is given in two parts: a multiple-choice examination consisting of 200 scored questions which is three hours in length and a Skill Evaluation consisting of seven skills areas which is two hours in length.	Joint Commission on Allied Health Personnel in Ophthalmology (JCAHPO)	www.jcahpo.org/certification/	New			No		Yes	Health Sciences
MANSI001	Manufacturing Technician 1 (MT1)	A MT1 operates precision machinery, systems and processes. Typical skills expected in these positions usually include: CAD skills, computer controlled machine programming, precision measurement, process and machine trouble-shooting, problem-solving, machine maintenance and proficient use of diagnostic and statistical tools. These positions generally describe someone who has enough broad-based knowledge about a multi-step process to successfully troubleshoot and solve problems beyond the scope of typical "machine operators".	The Manufacturing Technician Level 1 (MT1) Certification is awarded to individuals upon a successful pass rate of 75% on all three of the MT1 certificate modules: Math and Measurement; Spatial Reasoning and Manufacturing Technology; and, Quality and Business Acumen.	Manufacturing Skills Institute (MSI)	www.manufacturingskillsinstitute.org				Yes	Advanced manufacturing	Yes	Advanced manufacturing
MICRO052	Microsoft Certified Trainer (MCT)	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.	Microsoft Corporation	www.microsoft.com/learning/en/us/default.aspx				Yes	Network support services	Yes	Network support services
MICRO082	Microsoft Certified Solutions Associate (MCSA) - SQL Server 2012	The Microsoft Certified Solutions Associate (MCSA) : SQL Server 2012 certification validates the essential skills and breakthrough insights needed in developing and maintaining the next wave of mission-critical environments.	A certification in SQL Server 2012 requires students to pass exam 461- Querying Microsoft SQL Server 2012, exam 462- Administering a Microsoft SQL Server 2012 Database and exam 463- Implementing Data Warehouse with Microsoft SQL Server 2012	Microsoft Corporation	www.microsoft.com/learning/en/us/default.aspx				Yes	Network support services	Yes	Network support services
MICRO083	Microsoft Certified Solutions Associate (MCSA) - Windows 7	The Microsoft Certified Solutions Associate (MCSA) : Windows 8 certification validates that you 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.	Microsoft Corporation	www.microsoft.com/learning/en/us/default.aspx				Yes	Network support services	Yes	Network support services
MICRO084	Microsoft Certified Solutions Associate (MCSA) - Windows 8	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.	Microsoft Corporation	www.microsoft.com/learning/en/us/default.aspx				Yes	Network support services	Yes	Network support services
MICRO085	Microsoft Certified Solutions Associate (MCSA) - Windows Server 2008	The Microsoft Certified Solutions Associate (MCSA) : Windows Server 2008 certification validates a set of primary Windows 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.	Microsoft Corporation	www.microsoft.com/learning/en/us/default.aspx				Yes	Network support services	Yes	Network support services
MICRO086	Microsoft Certified Solutions Associate (MCSA) - Windows Server 2012	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.	Microsoft Corporation	www.microsoft.com/learning/en/us/default.aspx				Yes	Network support services	Yes	Network support services
MICRO087	Microsoft Certified Solutions Expert (MCSE) - Business Intelligence	The Microsoft Certified Solutions Expert (MCSE): Business Intelligence certification validates the skills and techniques needed to design, build, and deploy solutions that deliver more data to more people across the organization.	MCSE: Business Intelligence - requires MCSA: SQL Server 2012 credential (exam 461-Querying Microsoft SQL Server 2012, exam 462- Administering a Microsoft SQL Server 2012 Database and exam 463- Implementing Data Warehouse with Microsoft SQL Server 2012) plus exam 466- Implementing Data Models and Reports with Microsoft SQL Server 2012 and exam 467- Designing Business Intelligence Solutions with Microsoft SQL Server 2012	Microsoft Corporation	www.microsoft.com/learning/en/us/default.aspx				Yes	Network support services	Yes	Network support services

DOE Code	Certification/ Credential Title	Certification Description	Certification Requirements	Issuing Organization/Provider	Agency Website	New to List	Certification Version, if applicable	Differentiated Waiver of Certification Requirements¹	Eligible for District Performance Incentive Funds²	District Performance Funding Area	Eligible for College Performance Incentive Funds³	College Performance Funding Area
MICRO088	Microsoft Certified Solutions Expert (MCSE) - Communication	The Microsoft Certified Solutions Expert (MCSE): Communication certification validates your expertise in creating a consistent communications experience for your organization and connecting your colleagues to people around the world.	MCSE: Communication- requires the MCSA: Windows Server 2012 credential (exam 410-Installing and Configuring Windows Server 2012, exam 411-Administering Windows Server 2012 and exam 412-Configuring Advance Windows Server 2012 Services) plus exam 336- Core Solutions of Microsoft Lync Server 2013 and exam 337-Enterprise Voice and Online Services with Microsoft Lync Server 2013.	Microsoft Corporation	www.microsoft.com/learning/en/us/default.aspx				Yes	Network support services	Yes	Network support services
MICRO089	Microsoft Certified Solutions Expert (MCSE) - Data Platform	The Microsoft Certified Solutions Expert (MCSE):Data Platform certification validates your broad skill sets in building and administrating enterprise-scale data solutions both on-premises and in cloud environments.	MCSE: Data Platform - requires MCSA: SQL Server 2012 credential (exam 461- Querying Microsoft SQL Server 2012, exam 462- Administering a Microsoft SQL Server 2012 Database and exam 463- Implementing Data Warehouse with Microsoft SQL Server 2012) plus exam 464- Developing Microsoft SQL Server 2012 Database and exam 465 Designing Database Solutions for SQL Server 2012.	Microsoft Corporation	www.microsoft.com/learning/en/us/default.aspx				Yes	Network support services	Yes	Network support services
MICRO090	Microsoft Certified Solutions Expert (MCSE) - Desktop Infrastructure	The Microsoft Certified Solutions Expert (MCSE): Desktop Infrastructure certification validates your skills in desktop virtualization, remote desktop services, and application virtualization. It also shows that you can deploy and manage desktops and devices that provide access from anywhere, while maintaining security and compliance.	MCSE: Desktop Infrastructure - requires the MCSA: Windows Server 2012 credential (exam 410-Installing and Configuring Windows Server 2012, exam 411-Administering Windows Server 2012 and exam 412-Configuring Advance Windows Server 2012 Services) plus exam 415 Implementing a Desktop Infrastructure and exam 416 Implementing Desktop Application Environment.	Microsoft Corporation	www.microsoft.com/learning/en/us/default.aspx				Yes	Network support services	Yes	Network support services
MICRO091	Microsoft Certified Solutions Expert (MCSE) - Messaging	The Microsoft Certified Solutions Expert (MCSE):Messaging validates your ability to move your company to the cloud, increase user productivity and flexibility, reduce data loss, and improve data security for your organization.	MCSE: Messaging- requires the MCSA: Windows Server 2012 credential (exam 410-Installing and Configuring Windows Server 2012, exam 411-Administering Windows Server 2012 and exam 412-Configuring Advance Windows Server 2012 Services) plus exam 341- Core Solutions of Microsoft Exchange Server 2013 and exam 342- Advance Solutions of Microsoft Exchange Server 2013.	Microsoft Corporation	www.microsoft.com/learning/en/us/default.aspx				Yes	Network support services	Yes	Network support services
MICRO092	Microsoft Certified Solutions Expert (MCSE) - Private Cloud	The Microsoft Certified Solutions Expert (MCSE): Private Cloud certification is designed to validate your expertise in managing and implementing Microsoft private cloud computing technologies. With Windows Server and System Center, you will build your Microsoft private cloud solution to optimize IT service delivery and gain the automation and flexibility you need for your IT infrastructure.	MCSE: Private Cloud - requires the MCSA: Windows Server 2012 (exam 410-Installing and Configuring Windows Server 2012, exam 411-Administering Windows Server 2012 and exam 412-Configuring Advance Windows Server 2012 Services) plus exam 246 Monitoring and operating a Private Cloud with system center 2012 and exam 247 Configuring and Deploying a Private Cloud with system center 2012.	Microsoft Corporation	www.microsoft.com/learning/en/us/default.aspx				Yes	Cloud virtualization	Yes	Cloud virtualization
MICRO093	Microsoft Certified Solutions Expert (MCSE) - Server Infrastructure	The Microsoft Certified Solutions Expert (MCSE): Server Infrastructure certification validates that you have the skills needed to run a highly efficient and modern data center, with expertise in identity management, systems management, virtualization, storage, and networking.	MCSE: Server Infrastructure - requires the MCSA: Windows Server 2012 credential (exam 410-Installing and Configuring Windows Server 2012, exam 411-Administering Windows Server 2012 and exam 412-Configuring Advance Windows Server 2012 Services) plus exam 413 Designing and Implementing a Server Infrastructure and exam 414 Implementing an Advance Server Infrastructure.	Microsoft Corporation	www.microsoft.com/learning/en/us/default.aspx				Yes	Network support services	Yes	Network support services
MICRO094	Microsoft Certified Solutions Expert (MCSE) - SharePoint	The Microsoft Certified Solutions Expert (MCSE): SharePoint certification validates your expertise in helping a company organize, sync, collaborate, and share information across the organization.	MCSE: SharePoint- requires the MCSA: Windows Server 2012 credential (exam 410- Installing and Configuring Windows Server 2012, exam 411-Administering Windows Server 2012 and exam 412-Configuring Advance Windows Server 2012 Services) plus exam 331- Core Solutions of Microsoft SharePoint Server 2013 and exam 332- Advance Solutions of Microsoft SharePoint Server 2013.	Microsoft Corporation	www.microsoft.com/learning/en/us/default.aspx				Yes	Network support services	Yes	Network support services
MICRO095	Microsoft Certified Solutions Developer (MCSD) - Web Applications	The MCSD: Web Applications certification will qualify you for a position as a web developer or web administrator.	MCSD: Web Applications requires Programming in HTML5 with JavaScript and CSS3 (exam 480), Developing ASP.NET MVC Web Applications (exam 486), and Developing Microsoft Azure and Web Services (exam 487)	Microsoft Corporation	www.microsoft.com/learning/en/us/default.aspx				Yes	Computer programming	Yes	Computer programming
MICRO096	Microsoft Certified Solutions Developer (MCSD) - Windows Store Apps	The MCSD: Windows Store Apps certification will qualify you for such jobs as software developer, web developer, and quality engineer.	MCSD: Windows Store Apps requires Programming in HTML5 with JavaScript and CSS3 (exam 480), Essentials of Developing Windows Store Apps Using HTML5 and JavaScript (exam 481), and Advanced Windows Store App Development Using HTML5 and JavaScript (exam 482)	Microsoft Corporation	www.microsoft.com/learning/en/us/default.aspx				Yes	Computer programming	Yes	Computer programming
MSSCN001	MSSC Certified Production Technician (CPT)	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.	Manufacturing Skills Standards Council (MSSC)	www.msscusa.org/				Yes	Advanced manufacturing	Yes	Advanced manufacturing
MSSCN002	MSSC Certified Logistics Technician (CLT)	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.	Manufacturing Skills Standards Council (MSSC)	www.msscusa.org/				Yes	Advanced manufacturing	Yes	Advanced manufacturing
NAHUC001	Certified Health Unit Coordinator (CHUC)	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.	National Association of Health Unit Coordinators, Inc.	www.nahuc.org/				No		No	
NATEX001	Air Conditioning Service Technician	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.	North American Technician Excellence	www.natex.org/site/353/Technicians/Certification-Basics/101				Yes	Heating, ventilation and air conditioning technician	Yes	Heating, ventilation and air conditioning technician
NATEX002	Air Conditioning Installation Specialization	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.	North American Technician Excellence	www.natex.org/site/353/Technicians/Certification-Basics/101				Yes	Heating, ventilation and air conditioning technician	Yes	Heating, ventilation and air conditioning technician
NATEX003	Air to Air Heat Pump Installation Technician	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 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.	North American Technician Excellence	www.natex.org/site/353/Technicians/Certification-Basics/101				Yes	Heating, ventilation and air conditioning technician	Yes	Heating, ventilation and air conditioning technician
NATEX004	Air to Air Heat Pump Service Technician	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. Service technicians must be able to complete the same tasks as installation technicians as well as independently power up and adjust control settings to cycle equipment through all designed-for sequences. Service technicians must be able to acquire, evaluate and interpret necessary readings to determine the adequacy and acceptability of meeting system operation specifications. These technicians must also be able to perform sufficient field diagnostic procedures to determine causes of inadequate performance and identify corrective actions as necessary.	To earn NATE certification, a technician must pass both a CORE and a Air to Air Heat Pump Service Technician 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 HVAC/R 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.	North American Technician Excellence	www.natex.org/site/353/Technicians/Certification-Basics/101				Yes	Heating, ventilation and air conditioning technician	Yes	Heating, ventilation and air conditioning technician
NATHA002	Certified EKG Technician (CET)	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.	National Healthcareer Association	www.nhanow.com				Yes	Health Sciences - EKG technician	Yes	Health Sciences
NATHA006	Certified Patient Care Technician (CPCT)	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.	National Healthcareer Association	www.nhanow.com				No		Yes	Health Sciences

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NATHA007	Certified Phlebotomy Technician (CPT)	Certified Phlebotomy Technician, draw blood from patients in hospitals, blood centers, or similar facilities for analysis or other medical purposes. As a CPT, you 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.	National Healthcareer Association	www.nhanow.com				No		No	
NATHA008	Certified Billing & Coding Specialist (CBCS)	A Certified Billing & Coding Specialist (CBCS) converts medical procedures, diagnoses, or symptoms into specific codes for submitting a claim for reimbursement. A CBCS duties may include documentation in a patient record to support coding and billing process, assigning codes for diagnoses and procedures, submitting claims for reimbursement based on payer policies and procedures, and working with providers to document procedures to support quality coding and reimbursement.	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 Billing & Coding Specialist (CBCS) certification, candidates have 1 hour and 45 minutes to complete 100 multiple choice questions. Content includes: Anatomy and Physiology/Medical Terminology (21 questions), Coding (23 questions), Insurance Principles (22 questions), Claims Processing/Compliance (23 questions), and Ethics (11 questions). Candidates must pass with a 72% or higher. An applicant may take the certification exam up to 12 months prior to graduation from an accredited high school or GED program and receive a provisional certification. Upon graduation, the candidate may apply to have their provisional certification converted to a full certification.	National Healthcareer Association	www.nhanow.com				Yes	Health Sciences - Medical coder/biller	Yes	Health Sciences
NATHA009	Certified Clinical Medical Assistant (CCMA)	A Certified Clinical Medical Assistant (CCMA)is an unlicensed, multi-skilled healthcare practioner who is competent in both clinical and administrative procedures. A CCMA's duties may include interviewing patients, measuring and recording vital signs, preparing exam rooms, preparing medical equipment, andperforming venipuncture and point of care testing.	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 Clinical Medical Assistant (CCMA) certification, candidates have 2 hours and 40 minutes to complete 160 multiple choice questions. Content includes: Patient Care (70 questions), Communication (15 questions), Office Administration (18 questions), Medical Law and Ethics (10 questions), Phlebotomy (25 questions), and EKG Monitoring (12 questions). Candidates must pass with a scaled score of 390 or higher out of 500. An applicant may take the certification exam up to 12 months prior to graduation from an accredited high school or GED program and receive a provisional certification. Upon graduation, the candidate may apply to have their provisional certification converted to a full certification.	National Healthcareer Association	www.nhanow.com				Yes	Health Sciences - Medical assisting	Yes	Health Sciences
NATHA010	Certified Pharmacy Technician (CPhT)	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	National Healthcareer Association	www.nhanow.com				Yes	Health Sciences - Pharmacy technician	Yes	Health Sciences - Pharmacy technician
NATHA011	Certified Electronic Health Record Specialist (CEHRS)	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.	National Healthcareer Association	www.nhanow.com				No		No	
NBCOT001	Orthopaedic Technologist Certified (OTC)	The Orthopaedic Technologist - Certified are those individuals that have demonstrated the knowledge and skills needed to work as an Orthopaedic Technologist and who have passed the National Board for Certification of Orthopaedic Technologist Certification Examination. The Orthopaedic Technologist - Certified maintains certification by complying with the rules and policies of the NBCOT. The Orthopaedic Technologists-Certified may use the acronym OTC®.	A current Graduate of a National Association of Orthopaedic Technologists (NAOT) Recognized School or Program: The NAOT Recognized School or Program must be in compliance with all of the Eligibility Route B2 Policies and requirements. The School or Program must be recognized as a current NAOT Recognized School/Program in good standing by the National Association of Orthopaedic Technologists (NAOT). This information is to be on file with National Board of Certification of Orthopaedic Technologists at the time of application, and duly noted on the NAOT website as an NAOT Recognized School or Program. Applicants who have completed a NAOT Recognized School/Program must submit a copy of their current Certificate of Graduation or Diploma from the NAOT School or Program within their application packet they submit, and be seated for the OTC Examination within one year of graduation from the NAOT Recognized School or Program.	National Board for Certification of Orthopaedic Technologists	www.nbcot.net				Yes	Health Sciences - Orthopedic technology	Yes	Health Sciences
NBFOT001	Certified Occupational Therapy Assistant	Occupational therapy assistants help patients develop, recover, and improve the skills needed for daily living and working. Occupational therapy assistants are directly involved in providing therapy to patients, while occupational therapy aides typically perform support activities. Assistants work under the direction of occupational therapists.	Candidates must meet the following requirements: •• Graduate with an accredited/approved entry-level occupational therapy degree - Associate degree in occupational therapy – COTA exam - Entry-level master's degree in occupational therapy – OTR exam - Entry-level doctoral degree in occupational therapy – OTR exam •• Complete all fieldwork requirements •• Submit an official final college or university transcript that indicates the date of graduation and degree title	National Board for Certification in Occupational Therapy	www.nbcot.net				No		Yes	Health Sciences
NBFRC001	Certified Respiratory Therapist (CRT)	Respiratory therapists and respiratory therapy technician, also known as respiratory care practitioners, evaluate, treat, and care for patients with breathing or other cardiopulmonary disorders. Practicing under the direction of a physician, respiratory therapists assume primary responsibility for all respiratory care therapeutic treatments and diagnostic procedures, including the supervision of respiratory therapy technicians. Respiratory therapy technicians follow specific, well-defined respiratory care procedures under the direction of respiratory therapists and physicians.	Applicants shall be 18 years of age or older. Applicants shall satisfy ONE of the following educational requirements: A) Applicants shall have a minimum of an associate degree from a respiratory therapy education program accredited by the Commission on Accreditation for Respiratory Care (CoARC) or accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP).B) Applicants enrolled in an accredited respiratory therapy program in an institution offering a baccalaureate degree may be admitted to the CRT Examination with a "special certificate of completion" issued by a sponsoring educational institution. The CoARC will authorize such institutions to issue the "special certificate of completion" at the advanced-level following completion of the science, general academic and respiratory therapy coursework commensurate with the requirements for accreditation. The examination consists of 160 multiple-choice questions (140 scored items and 20 pretest items) distributed among three major content areas: clinical data, equipment and therapeutic procedures. An associate's degree is required for entry into the field. Most programs award associate's or bachelor's degrees and prepare graduates for jobs as advanced respiratory therapists.	National Board for Respiratory Care	www.nbrc.org				No		Yes	Health Sciences
NBFRC002	Registered Respiratory Therapist (RRT)	Respiratory therapists care for patients who have trouble breathing—for example, from a chronic respiratory disease, such as asthma or emphysema. Their patients range from premature infants with undeveloped lungs to elderly patients who have diseased lungs. They also provide emergency care to patients suffering from heart attacks, drowning, or shock.	There are two established cut scores for the Therapist Multiple-Choice Examination. Candidates may become eligible to take the Clinical Simulation Examination by achieving the higher cut score on the Therapist Multiple-Choice Examination. The passing point associated with RRT eligibility is higher than the passing point associated with the CRT credential. Individuals who attempt and pass the Therapist Multiple-Choice Examination at the higher cut score and attempt and pass the Clinical Simulation Examination will be awarded the Registered Respiratory Therapist (RRT) credential. The Therapist Multiple-Choice Examination consists of 160 multiple-choice questions (140 scored items and 20 pretest items) distributed among three major content areas: Patient Data Evaluation and Recommendations, Troubleshooting and Quality Control of Equipment and Infection Control, and Initiation and Modification of Interventions. Therapist Multiple-Choice candidates will be given three hours to complete the examination. The Clinical Simulation Examination consists of 22 problems (20 scored items and 2 pretest items). The clinical setting and patient situation for each problem are designed to simulate reality and be relevant to the clinical practice of respiratory care. Candidates will be given four hours to complete the CSE.	National Board for Respiratory Care	www.nbrc.org				No		Yes	Health Sciences

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NCATT001	Aircraft Electronics Technician (AET)	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.	National Center for Aerospace and Transportation Technologies (NCATT)	www.ncatt.org				Yes	Federal Aviation Administration airframe mechanics	Yes	Federal Aviation Administration airframe mechanics
NCCER204	NCCER Carpentry - Level 4 (Postsecondary)	NCCER offers a complete series of entry- and journey-level assessments to evaluate the knowledge and skill level of an individual in a specific craft area. The Carpentry – Level 4 certification exam covers: Site layout 2: Angular measurement; Advanced roof systems; Advanced floor systems; Advanced wall systems Advanced stair systems; Introduction to light equipment; Welding; Metal buildings; and	NCCER maintains a credentialing and certification system through its National Registry. NCCER testing is conducted at authorized testing centers nationwide. A listing of testing centers may be viewed at http://www.nccer.org/findCenter.asp. Candidates should contact an authorized testing center to schedule testing. Instructors and students must use CONTREN LEARNING SERIES Books.	National Center for Construction Education & Research (NCCER)	www.nccer.org				No		No	
NCCER211	NCCER Electrical - Level 4 (Postsecondary)	NCCER offers a complete series of entry- and journey-level assessments to evaluate the knowledge and skill level of an individual in a specific craft area. The Electrical – Level 4 certification exam covers: Load calculations – Feeders and services; Practical applications of lighting; Standby and emergency systems; Basic electronic theory; Fire alarm systems; Specialty transformers; Advanced motor controls; HVAC controls; Heat tracing and freeze protection; Motor maintenance; and	NCCER maintains a credentialing and certification system through its National Registry. NCCER testing is conducted at authorized testing centers nationwide. A listing of testing centers may be viewed at http://www.nccer.org/findCenter.asp. Candidates should contact an authorized testing center to schedule testing. Instructors and students must use CONTREN LEARNING SERIES Books.	National Center for Construction Education & Research (NCCER)	www.nccer.org				Yes	Electrician	Yes	Electrician
NCCER215	NCCER Electronic Systems Technician - Level 4 (Postsecondary)	NCCER offers a complete series of entry- and journey-level assessments to evaluate the knowledge and skill level of an individual in a specific craft area. The Electronic Systems Technician – Level 4 certification exam covers: Fire alarm systems; Intrusion detection systems; Audio systems; Overview of nurse call and signaling systems; CCTV systems; Broadband systems; Access control systems; Systems integration; Systems commissioning and user training; and	NCCER maintains a credentialing and certification system through its National Registry. NCCER testing is conducted at authorized testing centers nationwide. A listing of testing centers may be viewed at http://www.nccer.org/findCenter.asp. Candidates should contact an authorized testing center to schedule testing. Instructors and students must use CONTREN LEARNING SERIES Books.	National Center for Construction Education & Research (NCCER)	www.nccer.org				No		No	
NCCER218	NCCER Heavy Equipment Operations - Level 3 (Postsecondary)	NCCER offers a complete series of entry- and journey-level assessments to evaluate the knowledge and skill level of an individual in a specific craft area. The Heavy Equipment Operations - Level 3 exam covers: Finishing and Grading; Compaction Equipment; Backhoes; Off Road Dump Trucks; Dozers; Excavators;and	NCCER maintains a credentialing and certification system through its National Registry. NCCER testing is conducted at authorized testing centers nationwide. A listing of testing centers may be viewed at http://www.nccer.org/findCenter.asp. Candidates should contact an authorized testing center to schedule testing. Instructors and students must use CONTREN LEARNING SERIES Books.	National Center for Construction Education & Research (NCCER)	www.nccer.org				No		No	
NCCER222	NCCER HVAC - Level 4 (Postsecondary)	NCCER offers a complete series of entry-and journey-level assessments to evaluate the knowledge and skill level of an individual in a specific craft area. NCCER's four levels, which are North American Technician Excellence (NATE) recognized, present theoretical and practical skills essential to your success as an HVAC installer or technician.	NCCER maintains a credentialing and certification system through its National Registry. NCCER testing is conducted at authorized testing centers nationwide. A listing of testing centers may be viewed at http://www.nccer.org/findCenter.asp. Candidates should contact an authorized testing center to schedule testing. Instructors and students must use CONTREN LEARNING SERIES Books.	National Center for Construction Education & Research (NCCER)	www.nccer.org				Yes	Heating, ventilation and air conditioning technician	Yes	Heating, ventilation and air conditioning technician
NCCER231	NCCER Insulating - Level 3 (Postsecondary)	NCCER offers a complete series of entry- and journey-level assessments to evaluate the knowledge and skill level of an individual in a specific craft area. The Insulating - Level 3 exam covers: Trade Math; Air Duct Systems; Theory of Heat Transfer and Moisture Effects; Adhesives and their Uses; Steam, Condesate, and Process Water Systems; Large Boilers, Breechings, Precipitators, and Apparatus; Refrigeration and Cryogenic Systems; Specialized Insulation Systems; Blueprints and Specifications; Jacketing Fabrication - Piping and Fittings; Jacketing Fabrication - Vessels and Equipment; and	NCCER maintains a credentialing and certification system through its National Registry. NCCER testing is conducted at authorized testing centers nationwide. A listing of testing centers may be viewed at http://www.nccer.org/findCenter.asp. Candidates should contact an authorized testing center to schedule testing. Instructors and students must use CONTREN LEARNING SERIES Books.	National Center for Construction Education & Research (NCCER)	www.nccer.org				No		No	
NCCER234	NCCER Ironworking - Level 3 (Postsecondary)	NCCER offers a complete series of entry- and journey-level assessments to evaluate the knowledge and skill level of an individual in a specific craft area. The Ironworking - Level 3 exam covers: Applied Trade Math; Flux Core for Ironworking; Stud Welding; Structural Ironworking 3; Advanced Rigging; Precast/Tilt-Up Erection; Special Application Hoisting Devices; Survey Equipment Use & Care Two; Pre-Engineered Systems; Miscellaneous/Ornamental Ironworking; Grating and Checkered Plate; Air Carbon Arc Cutting and Gouging; and Demolition.	NCCER maintains a credentialing and certification system through its National Registry. NCCER testing is conducted at authorized testing centers nationwide. A listing of testing centers may be viewed at http://www.nccer.org/findCenter.asp. Candidates should contact an authorized testing center to schedule testing. Instructors and students must use CONTREN LEARNING SERIES Books.	National Center for Construction Education & Research (NCCER)	www.nccer.org				No		No	
NCCER237	NCCER Masonry - Level 3 (Postsecondary)	NCCER offers a complete series of entry- and journey-level assessments to evaluate the knowledge and skill level of an individual in a specific craft area. The Masonry – Level 3 certification exam covers: Masonry in high -rise construction; Specialized materials and techniques; Repair and restoration; Commercial drawings; Estimating; and	NCCER maintains a credentialing and certification system through its National Registry. NCCER testing is conducted at authorized testing centers nationwide. A listing of testing centers may be viewed at http://www.nccer.org/findCenter.asp. Candidates should contact an authorized testing center to schedule testing. Instructors and students must use CONTREN LEARNING SERIES Books.	National Center for Construction Education & Research (NCCER)	www.nccer.org				No		No	
NCCER242	NCCER Millwright - Level 5 (Postsecondary)	NCCER offers a complete series of entry- and journey-level assessments to evaluate the knowledge and skill level of an individual in a specific craft area. The Millwright - Level 5 exam covers: Reverse Alignment; Laser Alignment; Advanced Blueprint Reading; Optical Alignment; Turbines; Troubleshooting and Repairing Turbine Equipment; Installation of Motors; Preventive and Predictive Maintenance; Vibration Analysis; and Troubleshooting and Repairing Pneumatic Equipment.	NCCER maintains a credentialing and certification system through its National Registry. NCCER testing is conducted at authorized testing centers nationwide. A listing of testing centers may be viewed at http://www.nccer.org/findCenter.asp. Candidates should contact an authorized testing center to schedule testing. Instructors and students must use CONTREN LEARNING SERIES Books.	National Center for Construction Education & Research (NCCER)	www.nccer.org				No		No	
NCCER249	NCCER Pipefitting - Level 4 (Postsecondary)	NCCER offers a complete series of entry- and journey-level assessments to evaluate the knowledge and skill level of an individual in a specific craft area. The Pipefitting – Level 4 certification exam covers: Advanced blueprint reading; Advanced pipe fabrication; Stress relieving and aligning; Steam traps; In-line specialties; Steel piping; Hot taps; Maintaining valves; and introduction to supervisory roles.	NCCER maintains a credentialing and certification system through its National Registry. NCCER testing is conducted at authorized testing centers nationwide. A listing of testing centers may be viewed at http://www.nccer.org/findCenter.asp. Candidates should contact an authorized testing center to schedule testing. Instructors and students must use CONTREN LEARNING SERIES Books.	National Center for Construction Education & Research (NCCER)	www.nccer.org				No		No	

DOE Code	Certification/ Credential Title	Certification Description	Certification Requirements	Issuing Organization/Provider	Agency Website	New to List	Certification Version, if applicable	Differentiated Waiver of Certification Requirements¹	Eligible for District Performance Incentive Funds²	District Performance Funding Area	Eligible for College Performance Incentive Funds³	College Performance Funding Area
NCCER253	NCCER Plumbing - Level 4 (Postsecondary)	NCCER offers a complete series of entry- and journey-level assessments to evaluate the knowledge and skill level of an individual in a specific craft area. The Plumbing – Level 4 certification exam covers: Business principles for plumbers; Introductory skills for crew leaders; Orientation to the job; Leadership skills; Safety; Project control; 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.	NCCER maintains a credentialing and certification system through its National Registry. NCCER testing is conducted at authorized testing centers nationwide. A listing of testing centers may be viewed at http://www.nccer.org/findCenter.asp. Candidates should contact an authorized testing center to schedule testing. Instructors and students must use CONTREN LEARNING SERIES Books.	National Center for Construction Education & Research (NCCER)	www.nccer.org				Yes	Plumbing	No	
NCCER258	NCCER Sheet Metal - Level 4 (Postsecondary)	NCCER offers a complete series of entry- and journey-level assessments to evaluate the knowledge and skill level of an individual in a specific craft area. The Sheet Metal - Level 4 exam covers: Shop Production and Organization; Air Testing and Balancing; Introduction to Welding, Brazing, and Cutting; Fume and Exhaust System Design; Fabrication Four – Comprehensive Review; and Introductory Supervisory Skills.	NCCER maintains a credentialing and certification system through its National Registry. NCCER testing is conducted at authorized testing centers nationwide. A listing of testing centers may be viewed at http://www.nccer.org/findCenter.asp. Candidates should contact an authorized testing center to schedule testing. Instructors and students must use CONTREN LEARNING SERIES Books.	National Center for Construction Education & Research (NCCER)	www.nccer.org				No		No	
NCCER262	NCCER Sprinkler Fitting Level 4 (Postsecondary)	NCCER offers a complete series of entry- and journey-level assessments to evaluate the knowledge and skill level of an individual in a specific craft area. The Sprinkler Fitting Level 4 exam covers: System Layout; Inspection, Testing, and Maintenance; Special Extinguishing Systems; Introductory Skills for the Foreman; and	NCCER maintains a credentialing and certification system through its National Registry. NCCER testing is conducted at authorized testing centers nationwide. A listing of testing centers may be viewed at http://www.nccer.org/findCenter.asp. Candidates should contact an authorized testing center to schedule testing. Instructors and students must use CONTREN LEARNING SERIES Books.	National Center for Construction Education & Research (NCCER)	www.nccer.org				No		No	
NCCER265	NCCER Welding - Level 3 (Postsecondary)	NCCER offers a complete series of entry- and journey-level assessments to evaluate the knowledge and skill level of an individual in a specific craft area. Welding is a high-tech industry that can take you places all over the world. From ladders to aircraft carriers, from NASCAR to national defense, and from the laboratory to sales and repair, the varied welding industry impacts virtually every industry. Technology is creating more uses for welding in the workplace. NCCER's four-level curriculum covers topics such as Oxyfuel Cutting, Welding Symbols, and Stainless Steel Groove Welds. NCCER's curriculum also correlates to the AWS SENSE (Schools Excelling through national Skills Education) standards and guidelines for Entry Welder. An AWS SENSE correlation chart is provided with the curriculum to assist instructors in complying with the AWS guidelines.	NCCER maintains a credentialing and certification system through its National Registry. NCCER testing is conducted at authorized testing centers nationwide. A listing of testing centers may be viewed at http://www.nccer.org/findCenter.asp. Candidates should contact an authorized testing center to schedule testing. Instructors and students must use CONTREN LEARNING SERIES Books.	National Center for Construction Education & Research (NCCER)	www.nccer.org				Yes	Welding	Yes	Welding
NCCER266	NCCER Industrial Maintenance Mechanic - Level 4 (Postsecondary)	NCCER offers a complete series of entry- and journey-level assessments to evaluate the knowledge and skill level of an individual in a specific craft area. The Industrial Maintenance Mechanic - Level 4 exam covers: Preventive and Predictive Maintenance; Advanced Blueprint Reading; Compressors and Pneumatic Systems; Reverse Alignment; Laser Alignment; Introduction to Supervisory Skills; Troubleshooting and Repairing Pumps; Troubleshooting and Repairing Gearboxes.	NCCER maintains a credentialing and certification system through its National Registry. NCCER testing is conducted at authorized testing centers nationwide. A listing of testing centers may be viewed at http://www.nccer.org/findCenter.asp. Candidates should contact an authorized testing center to schedule testing. Instructors and students must use CONTREN LEARNING SERIES Books.	National Center for Construction Education & Research (NCCER)	www.nccer.org	New			No		No	
NCCER267	NCCER Industrial Maintenance, Electrical & Instrumentation Technician - Level 4 (Postsecondary)	NCCER offers a complete series of entry- and journey-level assessments to evaluate the knowledge and skill level of an individual in a specific craft area. The Industrial Maintenance, Electrical & Instrumentation Technician - Level 4 exam covers: Standby and Emergency Systems; Basic Process Control Elements, Transducers and Transmitters; Instrument Calibration and Configuration; Pneumatic Control Valves, Actuators, and Positioners; Performing Loop Checks; Troubleshooting and Commissioning a Loop; Process Control Loops and Tuning; Data Networks; Programmable Logic Controllers; and Distributed Control Systems.	NCCER maintains a credentialing and certification system through its National Registry. NCCER testing is conducted at authorized testing centers nationwide. A listing of testing centers may be viewed at http://www.nccer.org/findCenter.asp. Candidates should contact an authorized testing center to schedule testing. Instructors and students must use CONTREN LEARNING SERIES Books.	National Center for Construction Education & Research (NCCER)	www.nccer.org	New			Yes	Advanced manufacturing	Yes	Advanced manufacturing
NCDLT001	Certified Dental Technician	The goal of the CDT examination is to measure competency of a predetermined body of knowledge and the skills deemed to represent the successful, professional-level practice of dental technology. To become a CDT, a technician must demonstrate their knowledge and applied skills in their chosen specialty. There are six (6) specialties currently recognized by the NBC: Ceramics, Complete Dentures, Crown & Bridge, Orthodontics, Partial Dentures and Implants.	The following examinations must be passed successfully to become a Certified Dental Technician (CDT): •The Written Comprehensive examination (or the Written Recognized Graduate examination, if eligible); •The Written Specialty examination; •The Practical examination (in the same specialty area as the Written Specialty examination) Candidates may sit for the examinations in any order and all three (3) exams must be passed within four (4) years of the date that the first exam was passed.	National Board for Certification in Dental Laboratory Technology	www.nbccert.org/				No		No	
NCFCT001	Certified ECG Technician	ECG (Electrocardiogram) Technicians perform ECG tests that record and monitor electrical impulses transmitted to the heart. The ECG Technician examination covers: Medical terminology; Anatomy; physiology; Rhythm; and Basic interpretation.	A candidate for online testing must apply online and a candidate for paper-and-pencil testing must apply in hard copy. Additional information about the application and administration processes may be viewed at https://www.ncctinc.com/Certifications/Applic	National Center for Competency Testing	www.ncctinc.com				No		No	
NCFCT003	Certified Phlebotomy Technician	Phlebotomy technicians are healthcare professionals responsible for obtaining patient specimens. They can perform various functions such as venipuncture, micro-collection, and specimen processing and handling while maintaining patient safety and confidentiality.	The exam contains 125 scored items and candidates are allowed 3 hours to complete the exam.	National Center for Competency Testing	www.ncctinc.com				No		No	
NCFCT004	Tech in Surgery - Certified (NCCT)	The Surgical Technologist is an allied health professional responsible for various tasks pre, intra, and post operatively. They maintain asepsis during surgery, anticipating the surgeon's needs while remaining attentive to all aspects of the surgical procedure to ensure a safe environment for the patient.	The exam contains 175 scored items and candidates are allowed 4 hours to complete the exam.	National Center for Competency Testing	www.ncctinc.com				No		No	
NCFCT005	Medical Assistant	Medical assistants are allied healthcare professionals responsible for various clinical and/or administrative duties. They perform clinical functions including but not limited to direct patient care and preparation, ECG, phlebotomy, and pharmacology while maintaining patient safety and confidentiality. They may also perform administrative duties such as scheduling appointments, maintaining patient records, bookkeeping, and billing and insurance processing.	The exam contains 150 scored items and candidates are allowed 3 hours to complete the exam.	National Center for Competency Testing	www.ncctinc.com				No		No	
NCMCA001	Certified Board for Sterile Processing and Distribution	SPD technicians, also called operating room technicians, assist in surgical operations. They prepare operating rooms, arrange equipment, and help doctors during surgeries.	Number of questions on exam: 100 (multiple choice given on a computer at a Lasergrade/PSI testing center) Time to complete exam: 2 hours Passing scaled score for exam: 70	National Commission for Certifying Agencies	www.sterileprocessing.org/technician.htm				No		No	
NCSBN001	National Licensed Registered Nurse (NCLEX-RN)	Registered nurses (RNs) provide and coordinate patient care, educate patients and the public about various health conditions, and provide advice and emotional support to patients and their family members.	NCLEX uses Computerized Adaptive Testing (CAT) to administer the items. CAT is able to produce exam results that are more stable using fewer items by targeting items to the candidate's ability. The computer's goal during the NCLEX is to determine the ability of the candidate in relation to the passing standard. Every time the candidate answers an item, the computer re-estimates the candidate's ability. With each additional answered item, the ability estimate becomes more precise. Each item that the candidate receives is selected from a large pool of items using three criteria: 1. The item is limited to the content area that will produce the best match to the test plan percentages. It is ensured that each candidate's exam has enough questions from each content area to match the required test plan percentages. 2. An item is selected that the candidate is expected to find challenging. Based on the candidate's answers up to that point and the difficulty of those items, the computer estimates the candidate's ability and selects an item that the candidate should have a 50% chance of answering correctly. This way, the next item should not be too easy or too hard and the examination can get maximum information about the candidate's ability from the item.	National Council of State Boards of Nursing	www.ncsbn.org/				No		Yes	Health Sciences

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NCSBN002	National Licensed Practical Nurse (NCLEX-PN)	Licensed practical nurses (LPNs) provide basic nursing care. They work under the direction of registered nurses and doctors.	NCLEX uses Computerized Adaptive Testing (CAT) to administer the items. CAT is able to produce exam results that are more stable using fewer items by targeting items to the candidate's ability. The computer's goal during the NCLEX is to determine the ability of the candidate in relation to the passing standard. Every time the candidate answers an item, the computer re-estimates the candidate's ability. With each additional answered item, the ability estimate becomes more precise. Each item that the candidate receives is selected from a large pool of items using three criteria: 1. The item is limited to the content area that will produce the best match to the test plan percentages. It is ensured that each candidate's exam has enough questions from each content area to match the required test plan percentages. 2. An item is selected that the candidate is expected to find challenging. Based on the candidate's answers up to that point and the difficulty of those items, the computer estimates the candidate's ability and selects an item that the candidate should have a 50% chance of answering correctly. This way, the next item should not be too easy or too hard and the examination can get maximum information about the candidate's ability from the item.	National Council of State Boards of Nursing	www.ncsbn.org/				Yes	Health Sciences - Practical nursing	Yes	Health Sciences
NIASE001	ASE - Advanced Engine Performance Specialist (L1)	The ASE Advanced Engine Performance Specialist (L1) certification covers areas that test technicians' knowledge in the diagnosis and repair of computer-controlled engine systems. In addition, the test measures technicians' abilities in diagnosing the cause of high-emission failures.	To become ASE certified as an Advanced Engine Performance Specialist, technicians must be currently certified in A8 (regular Engine Performance) and pass the Advanced Engine Performance Specialist test, and satisfy the two-year hands-on experience requirement.	National Institute for Automotive Service Excellence	www.ase.com			Waiver of work experience requirement	Yes	Automotive service technology	Yes	Automotive service technology
NIASE005	ASE - Automatic Transmission/Transaxle (A2)	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.	National Institute for Automotive Service Excellence	www.ase.com			Waiver of work experience requirement	Yes	Automotive service technology	Yes	Automotive service technology
NIASE007	ASE - Brakes (A5)	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.	National Institute for Automotive Service Excellence	www.ase.com			Waiver of work experience requirement	Yes	Automotive service technology	Yes	Automotive service technology
NIASE008	ASE - Electrical/Electronic Systems (A6)	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.	National Institute for Automotive Service Excellence	www.ase.com			Waiver of work experience requirement	Yes	Automotive service technology	Yes	Automotive service technology
NIASE009	ASE - Engine Performance (A8)	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.	National Institute for Automotive Service Excellence	www.ase.com			Waiver of work experience requirement	Yes	Automotive service technology	Yes	Automotive service technology
NIASE010	ASE - Engine Repair (A1)	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.	National Institute for Automotive Service Excellence	www.ase.com			Waiver of work experience requirement	Yes	Automotive service technology	Yes	Automotive service technology
NIASE011	ASE - Heating and Air Conditioning (A7)	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.	National Institute for Automotive Service Excellence	www.ase.com			Waiver of work experience requirement	Yes	Automotive service technology	Yes	Automotive service technology
NIASE012	ASE - Manual Drive Train and Axles (A3)	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.	National Institute for Automotive Service Excellence	www.ase.com			Waiver of work experience requirement	Yes	Automotive service technology	Yes	Automotive service technology
NIASE014	ASE - Suspension and Steering (A4)	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.	National Institute for Automotive Service Excellence	www.ase.com			Waiver of work experience requirement	Yes	Automotive service technology	Yes	Automotive service technology
NIASE016	ASE - Brakes (T4)	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.	National Institute for Automotive Service Excellence	www.ase.com			Waiver of work experience requirement	Yes	Medium/heavy duty truck technician	No	
NIASE017	ASE - Mechanical and Electrical Components (B5)	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.	National Institute for Automotive Service Excellence	www.ase.com			Waiver of work experience requirement	Yes	Auto collision repair and refinishing	Yes	Auto collision repair and refinishing
NIASE018	ASE - Non-structural Analysis and Damage Repair (B3)	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 you 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.	National Institute for Automotive Service Excellence	www.ase.com			Waiver of work experience requirement	Yes	Auto collision repair and refinishing	Yes	Auto collision repair and refinishing
NIASE019	ASE - Damage Analysis and Estimating (B6)	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.	National Institute for Automotive Service Excellence	www.ase.com			Waiver of work experience requirement	No		No	
NIASE020	ASE - Diesel Engines (T2)	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.	National Institute for Automotive Service Excellence	www.ase.com			Waiver of work experience requirement	Yes	Medium/heavy duty truck technician	No	
NIASE021	ASE - Drive Train (T3)	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.	National Institute for Automotive Service Excellence	www.ase.com			Waiver of work experience requirement	Yes	Medium/heavy duty truck technician	No	
NIASE023	ASE - Electrical/Electronic Systems (T6)	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.	National Institute for Automotive Service Excellence	www.ase.com			Waiver of work experience requirement	Yes	Medium/heavy duty truck technician	No	
NIASE025	ASE - Gasoline Engines (T1)	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.	National Institute for Automotive Service Excellence	www.ase.com			Waiver of work experience requirement	Yes	Medium/heavy duty truck technician	No	
NIASE026	ASE - Heating, Ventilation, and A/C (HVAC) (T7)	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.	National Institute for Automotive Service Excellence	www.ase.com			Waiver of work experience requirement	Yes	Medium/heavy duty truck technician	No	

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NIASE029	ASE - Painting and Refinishing (B2)	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	National Institute for Automotive Service Excellence	www.ase.com			Waiver of work experience requirement	Yes	Auto collision repair and refinishing	Yes	Auto collision repair and refinishing
NIASE031	ASE - Preventive Maintenance Inspection (PMI) (T8)	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.	National Institute for Automotive Service Excellence	www.ase.com			Waiver of work experience requirement	Yes	Medium/heavy duty truck technician	No	
NIASE032	ASE - Structural Analysis and Damage Repair (B4)	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 you 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.	National Institute for Automotive Service Excellence	www.ase.com			Waiver of work experience requirement	Yes	Auto collision repair and refinishing	Yes	Auto collision repair and refinishing
NIASE033	ASE - Suspension and Steering (T5)	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.	National Institute for Automotive Service Excellence	www.ase.com			Waiver of work experience requirement	Yes	Medium/heavy duty truck technician	No	
NIASE071	ASE - Light Vehicle Diesel Engines (A9)	Successfully passing Test A9 will certify an individual in light vehicle diesel engines.	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. A9 is NOT a requirement for Master Automobile Technician Status. Technicians may substitute two years of relevant formal training for up to one year of the work experience requirement.	National Institute for Automotive Service Excellence	www.ase.com	New		Waiver of work experience requirement	Yes	Automotive service technology	Yes	Automotive service technology
NIFMS001	NIMS Machining Level I - CNC Milling: Programming Setup & Operations	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.	National Institute for Metalworking Skills (NIMS)	www.nims-skills.org				Yes	Advanced manufacturing	Yes	Advanced manufacturing
NIFMS002	NIMS Machining Level I - CNC Turning: Programming Setup & Operations	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.	National Institute for Metalworking Skills (NIMS)	www.nims-skills.org				Yes	Advanced manufacturing	Yes	Advanced manufacturing
NIFMS003	NIMS Machining Level II - EDM - Plunge	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.	National Institute for Metalworking Skills (NIMS)	www.nims-skills.org				Yes	Advanced manufacturing	Yes	Advanced manufacturing
NIFMS004	NIMS Machining Level II - EDM - Wire	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.	National Institute for Metalworking Skills (NIMS)	www.nims-skills.org				Yes	Advanced manufacturing	Yes	Advanced manufacturing
NIFMS007	NIMS Machining Level II - Manual Milling	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.	National Institute for Metalworking Skills (NIMS)	www.nims-skills.org				Yes	Advanced manufacturing	Yes	Advanced manufacturing
NIFMS008	NIMS Machining Level I - Turning Operations: Turning Between Centers	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.	National Institute for Metalworking Skills (NIMS)	www.nims-skills.org				Yes	Advanced manufacturing	Yes	Advanced manufacturing
NIFMS010	NIMS Machining Level I - Turning Operations: Turning Chucking Skills	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.	National Institute for Metalworking Skills (NIMS)	www.nims-skills.org				Yes	Advanced manufacturing	Yes	Advanced manufacturing
NIFMS012	NIMS Machining Level II - Grinding Skills II	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.	National Institute for Metalworking Skills (NIMS)	www.nims-skills.org				Yes	Advanced manufacturing	Yes	Advanced manufacturing
NJATC001	NJATC Electrical - Level 5	The Level 5 exam covers: •National Electrical Code •Motor Control •Torque •Rigging	Level 5 written examination includes 100 multiple-choice questions. The maximum allowable time is three hours.	National Joint Apprenticeship and Training Committee	www.njatc.org				Yes	Electrician	Yes	Electrician
NMTCB001	Certified Nuclear Medicine Technologist	Nuclear medicine technologists use a scanner to create images of various areas of a patient's body. They prepare radioactive drugs and administer them to patients undergoing the scans. The radioactive drugs cause abnormal areas of the body to appear different from normal areas in the images.	NMTCB offers a computer adaptive test (CAT) for classification in association with ACT, Inc. The CAT for classification is designed to render a pass/fail decision. In a CAT of this type, examinees are NOT rank-ordered along a score scale in order to make a precise and accurate classification decision. In order to administer a CAT for classification, the items themselves are ranked at the decision point on the score scale according to their ability to classify accurately and quickly. Each item in the item pool is associated with the information on its difficulty (the proportion of examinees answering an item correctly) and discrimination (the ability of an item to distinguish between passing and failing individuals) levels. An item that has a difficulty level at or near the passing score and has good discrimination will be a better item for decision-making than another item that is too difficult or too easy or has little ability to discriminate between those examinees who should pass and those who should fail. ACT, Inc. psychometric staff obtained Item Response Theory (IRT) statistics for all items in the item pool.	Nuclear Medicine Technology Certification Board	www.nmtcb.org/				No		Yes	Health Sciences
NNCCO001	Certified Clinical Hemodialysis Technician	Hemodialysis Technicians operate machines that remove wastes, salts, and extra water from patients' blood while keeping safe levels of certain chemicals.	The CCHT exam contains 150 questions and must be completed in 180 minutes. A correct response rate of between 70 and 75% is required to pass the exam, depending on the version of the test. Applicant must have a minimum of 2000 hours of work experience as a hemodialysis patient care technician within the two-year period of certification.	Nephrology Nursing Certification Commission	www.nncc-exam.org/				Yes	Health Sciences - Clinical hemodialysis technician	Yes	Health Sciences

DOE Code	Certification/ Credential Title	Certification Description	Certification Requirements	Issuing Organization/Provider	Agency Website	New to List	Certification Version, if applicable	Differentiated Waiver of Certification Requirements[1]	Eligible for District Performance Incentive Funds[2]	District Performance Funding Area	Eligible for College Performance Incentive Funds[3]	College Performance Funding Area
NREMT001	Emergency Medical Technician (EMT)	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.	National Registry of Emergency Medical Technicians	www.nremt.org				Yes	Health Sciences - Emergency medical technician and paramedic	Yes	Health Sciences
NSTSA001	Certified Surgical Technologist (CST)	Certification provides evidence to employers, colleagues in the field and the general public that certified surgical technologists and first assistants meet national standards. The choice to become certified demonstrates pride in the profession and a desire to be recognized for mastery of skills unique to surgical technology, as well as an on-going commitment to quality patient care.	Must be a graduate of a surgical technology program accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP) or Accrediting Bureau of Health Education Schools (ABHES) (programs usually take approx. one year to complete). Or if you are currently or previous certified as a CST.	National Board of Surgical Technologist and Surgical Assisting	www.nbstsa.org/				Yes	Health Sciences - Surgical technology	Yes	Health Sciences
ORACL001	Oracle Certified Associate (OCA): Database	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.	Oracle Corporation	www.oracle.com				Yes	Network support services	Yes	Network support services
ORACL002	Oracle Certified Professional (OCP): Database	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.	Complete one of the approved instructor-led online or in-class courses; pass the Oracle Database exam: Administration II 1Z0-053 exam; and submit the Hands On Course Requirement Form.	Oracle Corporation	www.oracle.com				Yes	Network support services	Yes	Network support services
ORACL003	Oracle Certified Master (OCM): Database	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.	Complete one of the approved instructor-led online or in-class courses; pass the Oracle Database Certified Master Exam; and submit the Hands-on Course Requirement Form.	Oracle Corporation	www.oracle.com				Yes	Network support services	Yes	Network support services
ORACL004	Oracle Certified Associate (OCA): Java Programmer	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.	Oracle Corporation	www.oracle.com				Yes	Computer programming	Yes	Computer programming
ORACL005	Oracle Certified Professional (OCP): Java Programmer	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 Jave 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.	Oracle Corporation	www.oracle.com				Yes	Computer programming	Yes	Computer programming
ORACL006	Oracle Certified Master (OCM): Java Developer	This performance-based certification is for developers interested in demonstrating advanced proficiency in the Java programming language using the Java SE.	To achieve this certification, candidates must successfully complete two elements: a programming assignment and an essay exam. Prior to attempting certification, candidates must be certified as a Sun Certified Programmer (SCJP), any edition, or as an OCP: Java Programmer. For upgrade purposes, it is not necessary to be a Sun Certified Java Associate prior to taking this exam. Candidates for this certification are required to complete specific training programs and complete a two-part practical requirement consisting of an assignment and an essay exam. The assignment must be completed prior to taking the essay exam.	Oracle Corporation	www.oracle.com				Yes	Computer programming	Yes	Computer programming
ORACL007	Oracle Certified Expert (OCE): Database SQL	An Oracle Database SQL Certified Expert demonstrate the complete set of skills required for working with the powerful SQL programming language and have mastered the key concepts of a relational database. SQL Experts understand how to use the advanced features of SQL in order to query and manipulate data within the database, control privileges at the object and system level, and use advanced querying and reporting techniques. They are able to manipulate large data sets and understand storing and retrieving dates according to different time zones. They are also knowledgeable about the concepts of controlling access and privileges for schema objects.	To be eligible to earn an Oracle Database SQL Certified Expert certification, candidates must successfully pass a single exam (1Z0-047). To earn an Oracle Database SQL Certified Expert certification, candidates have 2 hours to complete 70 questions. Exam content includes: retrieving data using the SQL select statement, restricting and sorting data, using single-row functions to customize output, reporting aggregated data using the group functions, displaying data from multiple tables, using subqueries to solve queries, using the set operators, manipulating data, using DDL statements to create and manage tables, creating other schema objects, managing objects with data dictionary views, controlling user access, managing schema objects, manipulating large data sets, generating reports by grouping related data, managing data in different time zones, retrieving data using subqueries, hierarchical retrieval, and regular expression support. Candidates must pass the exam with a 66% or higher.	Oracle Corporation	www.oracle.com				No		No	
PRMIN001	Project Management Professional (PMP)	A certified Project Management Professional (PMP) has demonstrated competence in leading and directing project teams. PMPs have the knowledge, experience, and skills to bring projects to successful completion. Professionals with a PMP certification are responsible for all aspects of a project and use leadership to direct cross-functional teams to deliver projects within the constraints of schedule, budget, and scope.	To be eligible to earn a Project Management Professional (PMP) certification, candidates meet the work and education experience requirements, and successfully pass an exam. To meet the work experience requirements, candidates must have a four-year degree (bachelor's degree or the global equivalent) and at least three years of project management experience, with 4,500 hours leading and directing projects and 35 hours of project management education. Candidates with less than a four year degree, must have a secondary degree (high school diploma, associate's degree, or the global equivalent) with at least five years of project management experience, with 7,500 hours leading and directing projects and 35 hours of project management education. To earn a Project Management Professional (PMP) certification, candidates have 4 hours to complete 200 multiple choice questions. Exam content includes: project management initiation (13 % of content), project management planning (24% of content), project management executing (30% of content), project management monitoring and controlling (25% of content), and project management closing (8% of content).	Project Management Institute	www.pmi.org			Waiver of work experience requirement	No		No	
PROSO003	Certified Internet Web (CIW) E-Commerce Specialist	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.	Certification Partners	www.ciwcertified.com				Yes	Network support services	Yes	Network support services
PROSO006	Certified Internet Web (CIW) Database Design Specialist	Database Design Methodology teaches students how to plan and design relational databases. Students will learn about the theory behind relational databases, relational database nomenclature, and relational algebra. The course includes sections on Structured Query Language (SQL) and optimizing databases through normalization. Students will apply their knowledge with hands-on labs designed to teach the intricacies of database design methodology.	The CIW Database Design Specialist course prepares candidates to take the CIW Database Design Specialist exam, which if passed earns the individual the Database Design Specialist certification. It is recommended that students have a basic knowledge of the purpose and function of a database. Also, students should be familiar with an operating system such as Microsoft Windows XP before taking this course.	Certification Partners	www.ciwcertified.com				Yes	Network support services	Yes	Network support services
PROSO010	Certified Internet Web (CIW) Web Security Professional	The CIW Web Security series is for those who configure, manage and deploy e-business solutions servers, and implement e-business and network security solutions. This series offers three levels of credential to recognize the achievements of those who have also attained levels of proficiency in networking administration and now want to validate and prove their competencies in security.	CIW Web Security candidates must meet the following requirements: 1. Pass one required CIW exam. 2. Complete the CIW Certification Agreement (by logging into the CIW Candidate Information Center). 3. Submit proof of one valid networking administration certification from an approved vendor.	Certification Partners	www.ciwcertified.com				Yes	Cybersecurity	Yes	Cybersecurity
PROSO017	Certified Internet Web (CIW) JavaScript Specialist	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.	Certification Partners	www.ciwcertified.com				Yes	Computer programming	Yes	Computer programming

DOE Code	Certification/ Credential Title	Certification Description	Certification Requirements	Issuing Organization/Provider	Agency Website	New to List	Certification Version, if applicable	Differentiated Waiver of Certification Requirements[1]	Eligible for District Performance Incentive Funds[2]	District Performance Funding Area	Eligible for College Performance Incentive Funds[3]	College Performance Funding Area
PROSO019	Certified Internet Web (CIW) Perl Specialist	Perl Fundamentals is an 18-hour course that teaches students how to fully utilize the Perl programming language. Students learn the Perl syntax, the basics of using regular expression, how to use Perl data types, and how to access and manipulate files. Students are also introduced to database connectivity and debugging techniques. Target audience: Webmasters, software developers, application programmers, client/server developers, and desktop publishers.	The CIW Perl Fundamentals course prepares candidates to take the CIW Perl Specialist exam, which if passed earns the individual the CIW Perl Specialist certification. Prerequisite: Students must have CIW Foundations certification or equivalent experience, and be proficient in Hypertext Markup Language (HTML) authoring.	Certification Partners	www.ciwcertified.com				Yes	Computer programming	Yes	Computer programming
PROSO021	Certified Internet Web (CIW) Web Design Professional	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, you must take and pass two certification exams: CIW Web Design Specialist CIW E-Commerce Specialist Passing each of these exams earns you 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.	Certification Partners	www.ciwcertified.com				Yes	Computer programming	Yes	Computer programming
PROSO022	Certified Internet Web (CIW) Web Design Specialist	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.	Certification Partners	www.ciwcertified.com				Yes	Computer programming	Yes	Computer programming
PROSO023	Certified Internet Web (CIW) Web Development Professional	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	Certification Partners	www.ciwcertified.com				Yes	Computer programming	Yes	Computer programming
PROSO026	Certified Internet Web (CIW) Web Security Specialist	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. Target audience: Network server administrators, firewall administrators, systems administrators, application developers, and IT security officers.	The CIW Network Security and Firewalls course prepares candidates to take the CIW Web Security Associate exam. Candidates who also pass ONE of the following certification exams from third-party security training providers earn the foundational CIW Web Security Specialist certification: view list *	Certification Partners	www.ciwcertified.com				Yes	Cybersecurity	Yes	Cybersecurity
PTCBD001	Pharmacy Technician	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.	Candidtaes 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.	Pharmacy Technician Certification Board	www.ptcb.org/				Yes	Health Sciences - Pharmacy technician	Yes	Health Sciences - Pharmacy technician
SMFEN001	Lean Bronze Certification (LBC)	The Lean Bronze Certification (LBC) demonstrates a solid understanding of basic lean principles and tools, and ability in tactical implementation that drives improvement and shows measurable results.	To be eligible for the LBC requires: 2 academic quarters or equivalent of time spent in study of lean; minimum 1 year of industry work experience; minimum 6 months of experience of directly related to Lean implementation (total experience must equal 4 years of combined industry experience, Lean experience and academic study). Candidate must pass a three hour, 150 question exam and complete a portfolio that outlines and documents 5 Lean projects and a summary of those projects.	Society of Manufacturing Engineers	www.sme.org				Yes	Advanced manufacturing	Yes	Advanced manufacturing
SMRPR001	Certified Maintenance and Reliability Professional (CMRP)	The Certified Maintenance and Reliability Technician certification will provide a non-biased, third-party, objective assessment and confirmation of the skills of a candidates industrial maintenance mechanics. For maintenance mechanics, the CMRT program provides an opportunity to stand out from the crowd and be recognized. Certified Maintenance and Reliability Technicians are responsible for preventive, predictive, and corrective maintenance. They perform troubleshooting and analysis, and apply sound maintenance practices in all aspects of their work. Certified Maintenance and Reliability Technicians are multi-skilled individuals whose expertise is primarily mechanical in nature as opposed to instrumentation or electrical.	The Examination for certification as an industrial maintenance mechanic consists of 175 multiple-choice questions. Examinees are allowed four hours to complete it. The examination is closed book with no reference materials allowed in the examination room (except strict translation dictionaries for candidates whose native language is not English, under conditions specified in Section II of this guide). A hand-held calculator with arithmetic functions is provided for use by those sitting for the exam. Four major performance domains account for the examination's content. Domain I: Maintenance Practices Domain II: Preventive and Predictive Maintenance Domain III: Troubleshooting and Analysis Domain IV: Corrective Maintenance Candidates must schedule and take an examination within six months of the date they make application and are made eligible to sit for it. There are no educational experiences or other requirements, other than completion of the application form, payment of applicable fees in advance and time since taking a previous certification exam for candidates who wish to take an examination and no conviction of a felony or other crime of moral turpitude under international, national, federal or state law in any matter related to the practice of or qualification for professional activity.	Society for Maintenance and Reliability Professionals	www.smrp.org				Yes	Advanced manufacturing	Yes	Advanced manufacturing
TAFLP001	Accredited Legal Professional (ALP)	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.	NALS...the Association for Legal Professionals	www.nals.org				No		No	
TAFOM001	Certified in Production and Inventory Management (CPIM)	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.	The Association for Operations Management	www.apics.org				Yes	Advanced manufacturing	Yes	Advanced manufacturing
VMWRE003	VMware Certified Professional 5 – Desktop (VCP5-DT)	The VMware Certified Professional 5 – Desktop (VCP5-DT) is directed toward Virtualization Systems Engineers who seek to demonstrate their ability to install and configure the VMware View environment and enable View Client users. Candidates must be able to configure the vSphere environment, possess a deep understanding of VMware core components and their relation to storage and networking, and be proficient in datacenter design methodologies.	The passing score for this exam is 300, using a scaled scoring method. The scale is from 100-500. Scaled scores are calculated using a mathematical formula that considers a variety of factors, including the number and type of exam questions included in a specific version of the exam. Because this combination may vary in different versions of the same examination, scaled scores provide a fair score for each individual based on the version of the exam taken.	VMWare	www.vmware.com	New			Yes	Cloud virtualization	Yes	Cloud virtualization
ZENDC001	Zend Certified Engineer, PHP 5.3	The Zend Certified PHP Engineer Certification program is created and monitored by an independent advisory board whose members contribute heavily to PHP and Zend Framework open source projects. Zend Certification exams follow accepted industry standards to test technical knowledge and skills needed in today's job market and are recognized as the Industry Standard for PHP exams.	The PHP exam is composed of a total of 70 questions,which must be answered in 90 minutes. Each question can be formulated in one of three ways: •As a multiple-choice question with only one right answer. •As a multiple-choice question with multiple correct answers. •As a free-form question for which the answer must be typed in.	Zend	www.zend.com				No		No	

[1] Per s.1008.44(3), F.S., waivers of requirements for industry certifications are noted in this column.

[2] Per the requirements in s. 1011.80, F.S.

[3] Per the requirements in s. 1011.81, F.S.