

2021-2022 CAPE Postsecondary Industry Certification Funding List Detailed

DOE Code	Certification/ Credential Title	Issuing Organization/Provider	Certification Description	Written Exam Requirements	Other Requirements (Age, Program Completion, etc.)	Work Experience	Additional Information	Agency Website	New to List or New Funding-Eligible Status
NCCER211	NCCER Electrical - Level 4 (Postsecondary)	National Center for Construction Education & Research (NCCER)	The Electrical - Level 4 credential measures knowledge and skills in load calculations feeders & services; health care facilities; standby and emergency systems; basic electronic theory; fire alarm systems; specialty transformers; HVAC controls; heat tracing and freeze protection; motor operation and maintenance; medium-voltage terminations/splices; special locations; and fundamentals of crew leadership.	13 module-based written and performance exams are required.	None	None	The CORE: Introduction to Craft Skills certification is required for all NCCER trades.	www.nccer.org	
NCCER222	NCCER HVAC - Level 4 (Postsecondary)	National Center for Construction Education & Research (NCCER)	The HVAC - Level 4 credential measures knowledge and skills in water treatment; indoor air quality; energy conservation equipment; building management systems; system air balancing; system startup and shutdown; construction drawings and specifications; heating and cooling system design; commercial/industrial refrigeration systems; alternative and specialized heating and cooling systems; and fundamentals of crew leadership.	11 module-based written and performance exams are required.	None	None	The CORE: Introduction to Craft Skills certification is required for all NCCER trades.	www.nccer.org	
NCCER249	NCCER Pipefitting - Level 4 (Postsecondary)	National Center for Construction Education & Research (NCCER)	The Pipefitting - Level 4 credential measures knowledge and skills in advanced blueprint reading; advanced pipe fabrication; stress relieving and aligning; steam traps; in-line specialties; steel piping; hot taps; maintaining valves; and introduction to supervisory roles.	9 module-based written and performance exams are required.	None	None	The CORE: Introduction to Craft Skills certification is required for all NCCER trades.	www.nccer.org	
NCCER253	NCCER Plumbing - Level 4 (Postsecondary)	National Center for Construction Education & Research (NCCER)	The Plumbing - Level 4 credential measures knowledge and skills in business principles for plumbers; fundamentals of crew leadership; water pressure booster and recirculation systems; indirect and special waste; hydronic and solar heating systems; codes; private water supply well systems; private waste disposal systems; swimming pools and hot tubs; plumbing for mobile homes and travel trailer parks; and medical gas and vacuum systems.	11 module-based written and performance exams are required.	None	None	The CORE: Introduction to Craft Skills certification is required for all NCCER trades.	www.nccer.org	
NCCER265	NCCER Welding - Level 3 (Postsecondary)	National Center for Construction Education & Research (NCCER)	The Welding - Level 3 credential measures knowledge and skills in SMAW - open-root pipe welds; GMAW - pipe; FCAW - pipe; GTAW - carbon steel pipe; GTAW - low alloy and stainless steel pipe; and SMAW - stainless steel plate and pipe groove welds.	6 module-based written and performance exams are required.	None	None	The CORE: Introduction to Craft Skills certification is required for all NCCER trades.	www.nccer.org	
NCCER267	NCCER Industrial Maintenance, Electrical & Instrumentation Technician - Level 4 (Postsecondary)	National Center for Construction Education & Research (NCCER)	The Industrial Maintenance, Electrical & Instrumentation Technician - Level 4 credential measures knowledge and skills in standby and emergency systems; basic process control elements, transducers and transmitters; instrument calibration and configuration; pneumatic control valves, actuators, and positioners; performing loop checks; troubleshooting and commissioning a loop; process control loops and tuning; data networks; programmable logic controllers; and distributed control systems.	10 module-based written and performance exams are required.	None	None	The CORE: Introduction to Craft Skills certification is required for all NCCER trades.	www.nccer.org	
NCFT001	National Certified ECG Technician (NCET)	National Center for Competency Testing	ECG Technicians are allied health professionals responsible for performing diagnostic tests to assess the patient's heart rhythm and rate. They ensure proper electrode placement on the patient, record the ECG, prepare the report for the physician, ensure patient comfort and safety, and troubleshoot abnormalities with the recording.	1 exam required; 125 scored items; 25 unscored pretest items; 3 hours	Student candidates must submit a copy of their ECG Technician diploma, certificate of completion, or official (signed) transcript with graduation date. All required documents must be submitted within two years after successful program completion in order for the certification to be released.	None	None	www.ncctinc.com	
NCFT004	Tech in Surgery - Certified (NCCT)	National Center for Competency Testing	The Tech in Surgery - Certified certification measures knowledge and skills for various tasks pre, intra, and post operatively. They maintain asepsis during surgery, anticipating the surgeon's needs while remaining attentive to all aspects of the surgical procedure to ensure a safe environment for the patient.	1 exam required; 175 scored items; 4 hours	None	None	None	www.ncctinc.com	
NCFT005	Medical Assistant	National Center for Competency Testing	The Medical assistant certification measures knowledge and skills to direct patient care and preparation, ECG, phlebotomy, and pharmacology while maintaining patient safety and confidentiality. Medical assistants also perform administrative duties such as scheduling appointments, maintaining patient records, bookkeeping, and billing and insurance processing.	1 exam required; 150 scored items; 3 hours	None	None	None	www.ncctinc.com	
NCFT006	National Certified Insurance and Coding Specialist (NCICS)	National Center for Competency Testing	Insurance and Coding Specialists provide medical billing and coding services to physician's offices and medical specialty practices for health care providers to be paid for services rendered. Insurance and Coding Specialists prepare and submit claims to insurance companies and prepare and send statements to patients. Insurance and Coding Specialists must be knowledgeable and possess skills in the areas of medical terminology, anatomy & physiology, diagnostic and procedural coding, insurance claims processing, and medical billing procedures.	1 exam required; 100 scored items; 25 unscored pretest items; 3 hours	Student candidates must submit a copy of their Insurance & Coding diploma, certificate of completion, or official (signed) transcript with graduation date. All required documents must be submitted within two years after successful program completion in order for the certification to be released.	None	None	www.ncctinc.com	
NCFT007	National Certified Medical Office Assistant (NCMOA)	National Center for Competency Testing	Medical Office Assistants are allied health professionals responsible for various medical office administrative tasks beginning with initial patient contact through final payment. They perform front office functions such as scheduling, communicating (with healthcare professionals, patients and third party payers), handling medical records, and financial management while maintaining compliance with state and federal regulations.	1 exam required; 125 scored items; 25 unscored pretest items; 3 hours	Student candidates must submit a copy of their Medical Office Assistant diploma, certificate of completion, or official (signed) transcript with graduation date. All required documents must be submitted within two years after successful program completion in order for the certification to be released.	None	None	www.ncctinc.com	
NCFT008	National Certified Patient Care Technician (NCPCT)	National Center for Competency Testing	Patient care technicians are allied health professionals who provide direct patient care within their regulated scope of practice. They perform basic nursing assistant tasks (as delegated by the nursing or medical staff) which may include obtaining patient vital signs and other data, communicating with the healthcare team and patients, assisting with activities of daily living (ADLs), complying with confidentiality requirements, and performing ECGs and phlebotomy tasks.	1 exam required; 125 scored items; 25 unscored pretest items; 3 hours	Student candidates must submit a copy of their Patient Care Technician diploma, certificate of completion, or official (signed) transcript with graduation date. All required documents must be submitted within two years after successful program completion in order for the certification to be released.	None	None	www.ncctinc.com	
NCSAF001	Certified Strength Coach	National Council on Strength and Fitness (NCSF)	The National Council on Strength and Fitness (NCSF) - Certified Strength Coach certification measures individual's knowledge in functional anatomy and biomechanics; sport metabolism; performance assessment and evaluation; nutrition and ergogenic aids; training techniques for athletic performance; advanced programming for sport; injury prevention and return to competition; professionalism and risk management.	1 exam required; 3 hour time limit with 150 multiple choice questions. A passing score is 70% or better.	Exam candidates must have at least one of the following requirements to be eligible for the exam: A current NCSF-CPT certification, or A current NCCA-accredited fitness professional certification or An associate's degree or higher from an accredited college or university in an exercise profession or related field	None	None	www.ncsf.org	
NCSAF002	Certified Personal Trainer	National Council on Strength and Fitness (NCSF)	The National Council on Strength and Fitness (NCSF) - Certified Personal Trainer certification measures individual's knowledge in basic anatomy, exercise physiology, health screening and evaluation, nutrition and weight management, exercise prescription, and special populations.	1 exam required; 3 hour time limit with 150 multiple choice questions. A passing score is 70% or better.	Candidates must be at least 18 years of age, and possess a high school diploma or equivalent.	Work experience is not required, but it is beneficial to have a minimum level of practical experience working in the health and fitness field.	None	www.ncsf.org	

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NCSAF003	Sport Nutrition Specialist	National Council on Strength and Fitness (NCSF)	The National Council on Strength and Fitness (NCSF) - Sport Nutrition Specialist certification measures individual's knowledge in nutrients and intakes; physiological aspects of nutrition; macronutrients; micronutrients and supplementation; nutrition and physiological adaptations to exercise.	1 exam required; 3 hour time limit with 150 multiple choice questions. A passing score is 70% or better.	Exam candidates must have at least one of the following requirements to be eligible for the exam: A current NCSF certification, or A current NCCA-accredited fitness certification, or A license and/or certification in an Allied Health Profession or A Teacher specific State-issued Certification or License	None	None	www.ncsf.org	
NCSBN001	National Licensed Registered Nurse (NCLEX-RN)	National Council of State Boards of Nursing	The National Licensed Registered Nurse (NCLEX-RN) exam measures knowledge and skills to monitor, record, and report symptoms or changes in patients' conditions; maintain accurate, detailed reports and records; record patients' medical information and vital signs; order, interpret, and evaluate diagnostic tests to identify and assess patient's condition; modify patient treatment plans as indicated by patients' responses and conditions; direct or supervise less-skilled nursing or healthcare personnel or supervise a particular unit; consult and coordinate with healthcare team members to assess, plan, implement, or evaluate patient care plans; monitor all aspects of patient care, including diet and physical activity; instruct individuals, families, or other groups on topics such as health education, disease prevention, or childbirth and develop health improvement programs; and prepare patients for and assist with examinations or treatments.	1 exam required; 75 to 265 questions; 6 hour time limit	A student must complete the requirements (set by the Board of Nursing (BON)) of an approved and/or accredited program/school (licensed by & meets BON expectations) and graduate.	None	None	www.ncsbn.org/nclex.htm	
NCSBN002	National Licensed Practical Nurse (NCLEX-PN)	National Council of State Boards of Nursing	The National Licensed Registered Nurse (NCLEX-RN) exam measures knowledge and skills to monitor, record, and report symptoms or changes in patients' conditions; maintain accurate, detailed reports and records; record patients' medical information and vital signs; order, interpret, and evaluate diagnostic tests to identify and assess patient's condition; modify patient treatment plans as indicated by patients' responses and conditions; direct or supervise less-skilled nursing or healthcare personnel or supervise a particular unit; consult and coordinate with healthcare team members to assess, plan, implement, or evaluate patient care plans; monitor all aspects of patient care, including diet and physical activity; instruct individuals, families, or other groups on topics such as health education, disease prevention, or childbirth and develop health improvement programs; and prepare patients for and assist with examinations or treatments.	1 exam required; 85 to 205 questions; 5 hour time limit	A student must complete the requirements (set by the Board of Nursing (BON)) of an approved and/or accredited program/school (licensed by & meets BON expectations) and graduate.	None	None	www.ncsbn.org/nclex.htm	
NIASE001	ASE - Advanced Engine Performance Specialist (L1)	National Institute for Automotive Service Excellence	The ASE Advanced Engine Performance Specialist (L1) certification provides an assessment of an individual's knowledge of the diagnosis and repair of computer-controlled engine systems and the cause of high-emission failures.	1 exam required; 60 questions; 75 minutes	None	2 years of work experience is required.	None	www.ase.com	
NIASE005	ASE Automobile/Light Truck Technician: Automatic Transmission/Transaxle (A2)	National Institute for Automotive Service Excellence	The ASE - Automatic Transmission/Transaxle (A2) certification identifies and recognizes those automobile and light truck technicians who can demonstrate knowledge of the skills necessary to diagnose, service, and repair automatic transmission/transaxle.	1 exam required; 60 questions; 75 minutes	None	2 years of work experience is required.	None	www.ase.com	
NIASE007	ASE Automobile/Light Truck Technician: Brakes (A5)	National Institute for Automotive Service Excellence	The ASE - Brakes (A5) certification identifies and recognizes those automobile and light truck technicians who can demonstrate knowledge of the skills necessary to diagnose, service, and repair brakes.	1 exam required; 55 questions; 75 minutes	None	2 years of work experience is required.	None	www.ase.com	
NIASE008	ASE Automobile/Light Truck Technician: Electrical/Electronic Systems (A6)	National Institute for Automotive Service Excellence	The ASE - Electrical/Electronic Systems (A6) certification identifies and recognizes those automobile and light truck technicians who can demonstrate knowledge of the skills necessary to diagnose, service, and repair electrical/electronic systems.	1 exam required; 60 questions; 75 minutes	None	2 years of work experience is required.	None	www.ase.com	
NIASE009	ASE Automobile/Light Truck Technician: Engine Performance (A8)	National Institute for Automotive Service Excellence	The ASE - Engine Performance (A8) certification identifies and recognizes those automobile and light truck technicians who can demonstrate knowledge of the skills necessary to diagnose, service, and repair engine performance.	1 exam required; 60 questions; 75 minutes	None	2 years of work experience is required.	None	www.ase.com	
NIASE010	ASE Automobile/Light Truck Technician: Engine Repair (A1)	National Institute for Automotive Service Excellence	The ASE - Engine Repair (A1) certification identifies and recognizes those automobile and light truck technicians who can demonstrate knowledge of the skills necessary to diagnose, service, and repair engines.	1 exam required; 60 questions; 75 minutes	None	2 years of work experience is required.	None	www.ase.com	
NIASE011	ASE Automobile/Light Truck Technician: Heating and Air Conditioning (A7)	National Institute for Automotive Service Excellence	The ASE - Heating and Air Conditioning (A7) certification identifies and recognizes those automobile and light truck technicians who can demonstrate knowledge of the skills necessary to diagnose, service, and repair heating and air conditioning.	1 exam required; 60 questions; 75 minutes	None	2 years of work experience is required.	None	www.ase.com	
NIASE012	ASE Automobile/Light Truck Technician: Manual Drive Train and Axles (A3)	National Institute for Automotive Service Excellence	The ASE - Manual Drive Train and Axles (A3) certification identifies and recognizes those automobile and light truck technicians who can demonstrate knowledge of the skills necessary to diagnose, service, and repair manual drive train and axles.	1 exam required; 50 questions; 60 minutes	None	2 years of work experience is required.	None	www.ase.com	
NIASE014	ASE Automobile/Light Truck Technician: Suspension and Steering (A4)	National Institute for Automotive Service Excellence	The ASE - Suspension and Steering (A4) certification identifies and recognizes those automobile and light truck technicians who can demonstrate knowledge of the skills necessary to diagnose, service, and repair suspension and steering.	1 exam required; 50 questions; 60 minutes	None	2 years of work experience is required.	None	www.ase.com	
NIASE016	ASE Medium/Heavy Truck Technician: Brakes (T4)	National Institute for Automotive Service Excellence	The ASE - Brakes (T4) certification identifies and recognizes those medium/heavy duty truck technicians who can demonstrate knowledge of the skills necessary to diagnose, service, and repair brakes.	1 exam required; 60 questions; 75 minutes	None	2 years of work experience is required.	None	www.ase.com	
NIASE017	ASE Collision Repair and Refinishing Technician: Mechanical and Electrical Components (B5)	National Institute for Automotive Service Excellence	The ASE - Mechanical and Electrical Components (B5) certification identifies and recognizes those collision repair technicians and refinishers who can demonstrate knowledge of the skills necessary to make collision repairs related to mechanical and electrical components.	1 exam required; 60 questions; 75 minutes	None	2 years of work experience is required.	None	www.ase.com	
NIASE018	ASE - Non-structural Analysis and Damage Repair (B3)	National Institute for Automotive Service Excellence	The ASE - Non-structural Analysis and Damage Repair (B3) certification identifies and recognizes those collision repair technicians and refinishers who can demonstrate knowledge of the skills necessary to make collision repairs related to non-structural analysis and damage repair.	1 exam required; 65 questions; 90 minutes	None	2 years of work experience is required.	None	www.ase.com	
NIASE020	ASE - Diesel Engines (T2)	National Institute for Automotive Service Excellence	The ASE - Diesel Engines (T2) certification identifies and recognizes those medium/heavy duty truck technicians who can demonstrate knowledge of the skills necessary to diagnose, service, and repair diesel engines.	1 exam required; 65 questions; 90 minutes	None	2 years of work experience is required.	None	www.ase.com	
NIASE021	ASE Medium/Heavy Truck Technician: Drive Train (T3)	National Institute for Automotive Service Excellence	The ASE - Drive Train (T3) certification identifies and recognizes those medium/heavy duty truck technicians who can demonstrate knowledge of the skills necessary to diagnose, service, and repair drive trains.	1 exam required; 50 questions; 60 minutes	None	2 years of work experience is required.	None	www.ase.com	
NIASE023	ASE Medium/Heavy Truck Technician: Electrical/Electronic Systems (T6)	National Institute for Automotive Service Excellence	The ASE - Electrical/Electronic Systems (T6) certification identifies and recognizes those medium/heavy duty truck technicians who can demonstrate knowledge of the skills necessary to diagnose, service, and repair electrical/electronic systems.	1 exam required; 60 questions; 90 minutes	None	2 years of work experience is required.	None	www.ase.com	

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NIASE025	ASE - Gasoline Engines (T1)	National Institute for Automotive Service Excellence	The ASE - Gasoline Engines (T1) certification identifies and recognizes those medium/heavy duty truck technicians who can demonstrate knowledge of the skills necessary to diagnose, service, and repair gasoline engines.	1 exam required; 60 questions; 75 minutes	None	2 years of work experience is required.	None	www.ase.com	
NIASE026	ASE Medium/Heavy Truck Technician: Heating, Ventilation, and A/C (HVAC) (T7)	National Institute for Automotive Service Excellence	The ASE - Heating, Ventilation, and A/C (HVAC) (T7) certification identifies and recognizes those medium/heavy duty truck technicians who can demonstrate knowledge of the skills necessary to diagnose, service, and repair HVAC.	1 exam required; 50 questions; 60 minutes	None	2 years of work experience is required.	None	www.ase.com	
NIASE029	ASE Collision Repair and Refinishing Technician: Painting and Refinishing (B2)	National Institute for Automotive Service Excellence	The ASE - Painting and Refinishing (B2) certification identifies and recognizes those collision repair technicians and refinishers who can demonstrate knowledge of the skills necessary to make collision repairs related to painting and refinishing.	1 exam required; 65 questions; 90 minutes	None	2 years of work experience is required.	None	www.ase.com	
NIASE031	ASE Medium/Heavy Truck Technician: Preventive Maintenance Inspection (PMI) (T8)	National Institute for Automotive Service Excellence	The ASE - Preventive Maintenance Inspection (PMI) (T8) certification identifies and recognizes those medium/heavy duty truck technicians who can demonstrate knowledge of the skills necessary to conduct PMI.	1 exam required; 60 questions; 75 minutes	None	2 years of work experience is required.	None	www.ase.com	
NIASE032	ASE - Structural Analysis and Damage Repair (B4)	National Institute for Automotive Service Excellence	The ASE - Structural Analysis and Damage Repair (B4) certification identifies and recognizes those collision repair technicians and refinishers who can demonstrate knowledge of the skills necessary to make collision repairs related to structural analysis and damage repair.	1 exam required; 60 questions; 75 minutes	None	2 years of work experience is required.	None	www.ase.com	
NIASE033	ASE Medium/Heavy Truck Technician: Suspension and Steering (T5)	National Institute for Automotive Service Excellence	The ASE - Suspension and Steering (T5) certification provides an assessment of an individual's knowledge of the skills necessary to diagnose, service, and repair different systems of Class 4 through Class 8 trucks and tractors.	1 exam required; 60 questions; 75 minutes	None	2 years of work experience is required.	None	www.ase.com	
NIASE053	ASE - Compressed Natural Gas (CNG) Engines (H1)	National Institute for Automotive Service Excellence	The ASE - Compressed Natural Gas (CNG) Engines (H1) certification identifies and recognizes those transit bus technicians who can demonstrate knowledge of the skills necessary to diagnose, service, and repair CNG engines.	1 exam required; 60 questions; 75 minutes	None	2 years of work experience is required.	None	www.ase.com	
NIASE054	ASE - Diesel Engines (H2)	National Institute for Automotive Service Excellence	The ASE - Diesel Engines (H2) certification identifies and recognizes those transit bus technicians who can demonstrate knowledge of the skills necessary to diagnose, service, and repair diesel engines.	1 exam required; 60 questions; 75 minutes	None	2 years of work experience is required.	None	www.ase.com	
NIASE055	ASE - Drive Train (H3)	National Institute for Automotive Service Excellence	The ASE - Drive Train (H3) certification identifies and recognizes those transit bus technicians who can demonstrate knowledge of the skills necessary to diagnose, service, and repair drive train.	1 exam required; 50 questions; 60 minutes	None	2 years of work experience is required.	None	www.ase.com	
NIASE056	ASE - Brakes (H4)	National Institute for Automotive Service Excellence	The ASE - Brakes (H4) certification identifies and recognizes those transit bus technicians who can demonstrate knowledge of the skills necessary to diagnose, service, and repair brakes.	1 exam required; 60 questions; 75 minutes	None	2 years of work experience is required.	None	www.ase.com	
NIASE057	ASE - Suspension and Steering (H5)	National Institute for Automotive Service Excellence	The ASE - Suspension and Steering (H5) certification identifies and recognizes those transit bus technicians who can demonstrate knowledge of the skills necessary to diagnose, service, and repair suspension and steering.	1 exam required; 55 questions; 75 minutes	None	2 years of work experience is required.	None	www.ase.com	
NIASE058	ASE - Electrical/Electronic Systems (H6)	National Institute for Automotive Service Excellence	The ASE - Electrical/Electronic Systems (H6) certification identifies and recognizes those transit bus technicians who can demonstrate knowledge of the skills necessary to diagnose, service, and repair electrical/electronic systems.	1 exam required; 60 questions; 90 minutes	None	2 years of work experience is required.	None	www.ase.com	
NIASE059	ASE - Heating Ventilation and Air Conditioning (HVAC) (H7)	National Institute for Automotive Service Excellence	The ASE - Heating Ventilation and Air Conditioning (HVAC) (H7) certification identifies and recognizes those transit bus technicians who can demonstrate knowledge of the skills necessary to diagnose, service, and repair HVAC.	1 exam required; 50 questions; 75 minutes	None	2 years of work experience is required.	None	www.ase.com	
NIASE060	ASE - Preventive Maintenance and Inspection (PMI) (H8)	National Institute for Automotive Service Excellence	The ASE - Preventive Maintenance and Inspection (PMI) (H8) certification identifies and recognizes those transit bus technicians who can demonstrate knowledge of the skills necessary to conduct PMI.	1 exam required; 60 questions; 75 minutes	None	2 years of work experience is required.	None	www.ase.com	
NIASE061	ASE - Alternate Fuels (F1)	National Institute for Automotive Service Excellence	The ASE - Alternate Fuels (F1) certification identifies and recognizes those technicians who can demonstrate knowledge of the skills necessary to diagnose, service, and repair CNG vehicles.	1 exam required; 65 questions; 90 minutes	None	2 years of work experience is required.	None	www.ase.com	
NIASE071	ASE - Light Vehicle Diesel Engines (A9)	National Institute for Automotive Service Excellence	The ASE - Light Vehicle Diesel Engines (A9) certification identifies and recognizes those automobile and light truck technicians who can demonstrate knowledge of the skills necessary to diagnose, service, and repair light vehicle diesel engines.	1 exam required; 60 questions; 75 minutes	None	2 years of work experience is required.	Technicians may substitute two years of relevant formal training for up to one year of the work experience requirement.	www.ase.com	
NIASE095	ASE Light Duty Hybrid/Electric Vehicle Specialist Certification Test (L3)	National Institute of Automotive Service Excellence (ASE)	The ASE Light Duty Hybrid/Electric Vehicle Specialist Certification Test (L3) certification exam covers content focused on the diagnosis of the battery system, internal combustion engine (ICE), drive system, power electronics and hybrid supporting systems.	1 exam required; 55 questions; 2 hours; minimum passing score of 31/45	Certified in both Automobile Suspension and Steering (A4) and Automobile Brakes (A5)	Two years of hands-on work experience	None	www.ase.com	Yes
NIASE096	ASE Undercar Specialist Exhaust Systems (X1)	National Institute for Automotive Service Excellence (ASE)	The ASE Undercar Specialist Exhaust Systems (X1) certification exam covers content focused on exhaust system inspection and repair, fabrication, installation, emissions systems diagnosis and repair and exhaust system repair regulations.	1 exam required; 50 questions including 10 unscored items; 1 hour; minimum passing score of 25/40	Must have passed both the Automobile Electrical/Electronic Systems (A6) and Engine Performance (A8) tests	Three years of hands-on experience maintaining, servicing, and/or repairing light-duty or heavy-duty motor vehicles	None	www.ase.com	Yes
NIFMS003	NIMS Machining Level II - EDM - Plunge	National Institute for Metalworking Skills (NIMS)	The EDM - Plunge certification measures knowledge and skills in Electrical discharge machining (EDM) plunge operations.	1 exam required	Performance project must be completed prior to taking the exam.	None	None	www.nims-skills.org	
NIFMS004	NIMS Machining Level II - EDM - Wire	National Institute for Metalworking Skills (NIMS)	The EDM - Plunge certification measures knowledge and skills in Electrical discharge machining (EDM) Wire 2 axis operations.	1 exam required	Performance project must be completed prior to taking the exam.	None	None	www.nims-skills.org	
NIFMS007	NIMS Machining Level II - Manual Milling Skills II	National Institute for Metalworking Skills (NIMS)	The Manual Milling Skills II certification measures knowledge and skills in milling operations including squaring up a block, precision location of holes, cutting a keyslot, cutting a deep slot, using rotary tables, dividing head operations, and boring mill operations.	1 exam required	Performance project must be completed prior to taking the exam.	None	None	www.nims-skills.org	
NIFMS012	NIMS Machining Level II - Grinding Skills II	National Institute for Metalworking Skills (NIMS)	The Grinding Skills II certification measures knowledge and skills in grinding operations including surface grinding (flats and angles), wheel preparation and balancing, and cylindrical grinding.	1 exam required	Performance project must be completed prior to taking the exam.	None	None	www.nims-skills.org	
NIFMS018	NIMS Machining Level II - Drill Press Skills II	National Institute for Metalworking Skills (NIMS)	The Drill Press Skills II certification measures knowledge and skills in drill press operations including radial drilling and machine tool power tapping: taper reaming and pipe tapping.	1 exam required, 41 questions	Performance project must be completed prior to taking exam.	None	None	www.nims-skills.org	
NIFMS019	NIMS Machining Level II - CNC Milling Skills II	National Institute for Metalworking Skills (NIMS)	The CNC Milling Skills II certification measures knowledge and skills in CNC milling including program writing and operating a CNC mill.	1 exam required, 70 questions	Performance project must be completed prior to taking exam.	None	None	www.nims-skills.org	
NIFMS020	NIMS Machining Level II - CNC Turning Skills II	National Institute for Metalworking Skills (NIMS)	The CNC Turning Skills II certification measures knowledge and skills in CNC turning including program writing and operating a CNC lathe.	1 exam required, 70 questions	Performance project must be completed prior to taking exam.	None	None	www.nims-skills.org	

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NIFMS021	NIMS Industrial Technology Maintenance Level 1 Bundle (9 Exams)	National Institute for Metalworking Skills	Industrial Technology Maintenance Level 1 certification measures basic skills and knowledge in hydraulic systems, mechanical systems, pneumatic systems, electrical systems, electronic control systems, maintenance operations, maintenance piping, maintenance welding and process control systems.	9 exams required: Hydraulic Systems - 75 questions, 90 min. Mechanical Systems - 75 questions, 90 min. Pneumatic Systems - 74 questions, 90 min. Electrical Systems - 75 questions Electronic Control Systems - 75 questions Maintenance Operations - 75 questions Maintenance Piping - 75 questions Maintenance Welding - 75 questions Process Control Systems - 73 questions	None	None	None	www.nims-skills.org	
NJATC001	NJATC Electrical - Level 5	National Joint Apprenticeship and Training Committee	The NJATC Electrical - Level 5 certification measures knowledge and skills in national electrical code; motor control; torque; and rigging.	1 exam required; 100 multiple choice questions; 3 hours	None	None	None	www.njatc.org	
NMTCB001	Certified Nuclear Medicine Technologist	Nuclear Medicine Technology Certification Board	The Certified Nuclear Medicine Technologist certification measures knowledge and skills in operating equipment that creates images of areas of a patient's body including preparing radioactive drugs and administering them to patients.	1 exam required; 90 questions; 55 minutes	Completion of a NMTCB recognized nuclear medicine technology program; OR completion of a certificate, associate degree or baccalaureate degree in nuclear medicine technology program from a regionally accredited academic institution. Regionally accredited college and university programs must have structured clinical training sufficient to provide clinical competency in radiation safety, instrumentation, clinical procedures, and radiopharmacy. This should require approximately 1000 hours of clinical training supervised by program faculty.	None	None	www.nmtcb.org/	
NMTCB002	Computed Tomography (CT)	Nuclear Medicine Technology Certification Board	The Computed Tomography (CT) certification measures knowledge and skills in CT scans, a specialized X-ray procedure sometimes referred to as a CAT scan. Working under the supervision of a radiologist, CT scan technologists prepare patients for a CT scan by positioning them on the table and following safety measures to protect them from unnecessary or excess radiation. During the scan, technologists sit in a shielded room and monitor the CT scan images on the computer screen.	1 exam required; 200 multiple choice; 3.5 hours	The eligibility requirements to sit for the exam are as follows: 1) A current active NMTCB, ARRT, or CAMRT nuclear medicine technology certification OR a current active CAMRT(RT), CAMRT(RTT), ARRT(R) or ARRT(T) certification. 2) A minimum of 500 total clinical hours in PET/CT, SPECT/CT and/or CT. (Please download and complete the NMTCB Clinical Hours Verification Form.) 3.) The completion of a minimum of thirty five (35) contact hours within the three years prior to application including a minimum of four (4) hours of each of the following categories: Contrast administration, Cross-sectional anatomy, X-ray physics, CT radiation safety.	None	None	www.nmtcb.org/	
NNCCO001	Certified Clinical Hemodialysis Technician	Nephrology Nursing Certification Commission	The Certified Clinical Hemodialysis Technician certification measures knowledge and skills to operate machines that remove wastes, salts, and extra water from patients' blood while keeping safe levels of certain chemicals.	1 exam required; 150 questions; 180 minutes; minimum score of 70%-75% or higher required (depending on version of test)	Applicant must have a minimum of 2000 hours of work experience as a hemodialysis patient care technician within the two-year period of certification.			www.nncc-exam.org/	
NREMT001	Emergency Medical Technician (EMT)	National Registry of Emergency Medical Technicians	The Emergency Medical Technician (EMT) certification verifies that an individual is trained and certified to appraise and initiate the administration of emergency care for victims of trauma or acute illness before or during transportation of victims to a health care facility.	2 exams required (cognitive and psychomotor); Cognitive exam: online; 70-120 questions; 2 hours; Psychomotor exam: Individual must demonstrate competence (performance based).	None	None	None	www.nremt.org	
NSTSA001	Certified Surgical Technologist (CST)	National Board of Surgical Technologist and Surgical Assisting	The Certified Surgical Technologist (CST) measures knowledge and skills to assist in operations, under the supervision of surgeons, registered nurses, or other surgical personnel including to help set up operating room, prepare and transport patients for surgery, adjust lights and equipment, pass instruments and other supplies to surgeons and surgeon's assistants, hold retractors, cut sutures, and help count sponges, needles, supplies, and instruments.	1 exam required, 200 questions (175 scored/25 pretest)	Must be a graduate of a surgical technology program accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP) or Accrediting Bureau of Health Education Schools (ABHES).	None	None	www.nbstsa.org/	
NSTSA002	Certified Surgical First Assistant (CSFA)	National Board of Surgical Technologist and Surgical Assisting	Certified Surgical First Assistant (CSFA) measures knowledge and skills common to competent entry-level Surgical First Assistants. Subject areas covered include pre-operative care; intra-operative procedures; post-operative procedures; administrative and personnel duties; equipment, sterilization and maintenance; advanced anatomy and physiology; advanced principles of microbiology and surgical pharmacology and anesthesia.	1 exam required, 200 questions (175 scored/25 pretest)	Must be a graduate of a surgical first assisting program accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP).	None	None	www.nbstsa.org/	
ORACL001	Oracle Certified Associate (OCA): Database	Oracle Corporation	The Oracle Certified Associate (OCA): Database certification measures knowledge and skills to deliver the benefits of grid computing with more self-management and automation in an advanced database management system.	1 of 3 exams required (SQL 1Z0-007, SQL Fundamentals 1Z0-051, or Oracle Database SQL Expert 1Z0-047); Also, Administration I: 1Z0-052 is required	None	None	None	www.oracle.com	
ORACL002	Oracle Certified Professional (OCP): Database	Oracle Corporation	The Oracle Certified Professional (OCP): Database certification measures advanced knowledge and skills for development and deployment of backup, recovery and Cloud computing strategies.	1 exam (Administration II 1Z0-053 exam) required	None	None	None	www.oracle.com	
ORACL003	Oracle Certified Master (OCM): Database	Oracle Corporation	The Oracle Certified Master (OCM): Database certification measures expert knowledge and skills for development and deployment of backup, recovery and Cloud computing strategies.	1 exam required	None	None	None	www.oracle.com	
ORACL004	Oracle Certified Associate (OCA): Java Programmer	Oracle Corporation	The OCA Java Programmer certification is designed for individuals who possess a strong foundation in the Java Programming language. This certification covers the fundamentals of Java programming, such as the significance of object-oriented programming and the steps to create simple Java technology programs.	1 of 2 exams required (specific to the Java version); Java SE5/SE 6 exam (1Z0-850), Java SE7 exam (1Z0-803)	None	None	None	www.oracle.com	
ORACL005	Oracle Certified Professional (OCP): Java Programmer	Oracle Corporation	The OCP Java Programmer certification is designed for individuals who possess a strong foundation in the Java Programming language as well as proven skill in creating Java technology programs. This certification covers core Application Programming interfaces used to design object-oriented applications with Java, as well as insight into Java applications such as those that manipulate files, directories and file systems.	1 of 3 exams required (specific to the Java version); OCP Java SE5 exam (1Z0-853), OCP Java SE6 exam (1Z0-851), OCP Java SE7 exam (1Z0-804)	None	None	None	www.oracle.com	
ORACL006	Oracle Certified Master (OCM): Java Developer	Oracle Corporation	The OCM Java Developer certification is designed for individuals who have mastered the Java programming language as well as creating Java technology programs. This certification covers application programming interfaces used to design object-oriented applications with Java, as well as Java applications used to manipulate files, directories and file systems.	2 part exam required (practical requirement and essay exam)	None	None	None	www.oracle.com	

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PMMIN001	PMMI Mechatronics Certification: Fluid Power	PMMI	The PMMI Mechatronics Certification: Fluid Power covers the function, operation, and application of common components used in fluid power circuits and systems. It also assesses the understanding of how fluid power components and accessories are placed together to create circuits and systems for powering industrial machines. The major emphasis is on pneumatics with a lesser emphasis on hydraulics and vacuum systems. Electro-fluid power troubleshooting is emphasized. Topics include: Circuits and logic, compressors and conditioners, connectors, directional control valves, electro-fluid power, filters, fittings, flow control & relief valves, gages and instruments, hoses, lubricators, metal tubing, motors, pressure sequence valves, pump and reservoir, regulators, safety, theory, threaded pipe, troubleshooting & testing and vacuum. This certification is intended for entry-level mechanics, technicians and technologists who will be involved in the application, installation, modification or troubleshooting of Fluid Power systems.	1 exam required; 125 questions; approximately 2.5 hours; minimum passing score of 72 percent	None	None	None	www.pmmi.org/workforce-development/mechatronics/certification-tests	Yes
PMMIN002	PMMI Mechatronics Certification: Industrial Electricity 2	PMMI	The PMMI Mechatronics Certification: Industrial Electricity 2 certification builds upon the Industrial Electricity 1 certificate. Candidates should understand more complex motor starting circuits such as jogging, hand-off-automatic, reversing and reduced voltage starting. They should be familiar with time-based, count-based and sequential control of multiple output loads utilizing control relay logic and automatic input devices such as limit, flow and pressure switches to provide feedback. They should understand basic electro-fluid power circuits where relay logic is used to operate devices such as pneumatic or hydraulic cylinders through electrically piloted directional control valves. Basic understanding of the various types of electronic sensors, timers and counters used in industrial control is required. Candidates should be familiar with the sizing and installation of various types of electrical conductors and raceways used in or around industrial machinery and should be able to properly wire an industrial control panel. Finally, candidates should understand basic troubleshooting techniques and practices, not only for the individual components but also for systems of components. This advanced knowledge of industrial electricity and control systems is needed to understand the complex operations of machines and systems that might be used for an electro-mechanical packaging line.	1 exam required; 100 questions; approximately 2 hours; minimum passing score of 70 percent	None	None	None	www.pmmi.org/workforce-development/mechatronics/certification-tests	Yes
PMMIN003	PMMI Mechatronics Certification: Mechanical Components 2	PMMI	The PMMI Mechatronics Certification: Mechanical Components 2 certification exam builds upon the topics covered on the Mechanical Components 1 test by evaluating the candidate's mastery of the principles and application of more complex mechanical components such as clutches, brakes, gear boxes, transmissions, ball screws, and linear components. It also explores sealing, lubricants and automated lubrication, precision alignment and timing, vibration analysis, and the use of video to troubleshoot mechanical systems. This certification is aimed at intermediate level technicians and technologists who may be involved in the assembly, test, startup, troubleshooting, maintenance, repair or upgrade of mechanically complex manufacturing machinery. Candidates should have gained the Industrial Mechanics 1 certification, or its equivalent, before taking this exam.	1 exam required; 100 questions; approximately 2 hours; minimum passing score of 70 percent	None	None	None	www.pmmi.org/workforce-development/mechatronics/certification-tests	Yes
PMMIN004	PMMI Mechatronics Certification: Programmable Logic Controllers (PLCs) 2	PMMI	The PMMI Mechatronics Certification: Programmable Logic Controllers (PLCs) 2 exam covers advanced principles and applications of programmable logic controllers (PLCs). Among the advanced topics are PLC real time considerations, various levels of PLC networking, alternate programming languages for PLCs, international standards applied to PLCs, integration of logic and motion control in PLCs, integration of process control in PLCs, advanced human / machine interface (HMI) for PLCs, supervisory control and data acquisition (SCADA) with PLCs, alarm management, batch control, power failure strategies and process safety. This certification test is aimed at entry level technicians who may be involved in the assembly, test, startup, troubleshooting, maintenance, repair or upgrade of basic packaging machinery modules.	1 exam required; 100 questions; approximately 2 hours; minimum passing score of 70 percent	None	None	None	www.pmmi.org/workforce-development/mechatronics/certification-tests	Yes
PRMIN005	PMI Agile Certified Practitioner	Project Management Institute	The Agile methodology is a way to manage a project by breaking it up into several phases. It involves constant collaboration with stakeholders and continuous improvement at every stage. Once the work begins, teams cycle through a process of planning, executing, and evaluating. Agile methodology is commonly used by technology organizations in software development. The exam tests competencies in Agile Principles and Mindset; Value-driven Delivery; Stakeholder Engagement; Team Performance; Adaptive Planning; Problem Detection and Resolution; and, Continuous Improvement (Product, Process, People).	1 exam required; 120 multiple-choice questions (100 scored and 20 unscored); 3 hours	None	None	None	www.pmi.org	Yes
PROSO003	Certified Internet Web (CIW) E-Commerce Specialist	Certification Partners	The Certified Internet Web (CIW) E-Commerce Specialist certification measures knowledge and skills on how to conduct business online and manage the technical issues associated with constructing an e-commerce Web site. Individuals learn about the similarities and differences between traditional and electronic commerce, and will explore e-commerce technologies at various levels of sophistication.	1 exam required	None	None	None	www.ciwcertified.com	
PROSO006	Certified Internet Web (CIW) Database Design Specialist	Certification Partners	The CIW Database Design Specialist certification provides introductory vendor-neutral training for individuals planning to pursue product-focused database specialization. Competencies include DB2, Oracle Database 11g, MS SQL and MySQL, as well as Structured Query Language (SQL) and database optimization through normalization.	1 exam required (1D0-541); 50 questions; 90 minutes; Passing score of 75% or more required	None	None	None	www.ciwcertified.com	
PROSO010	Certified Internet Web (CIW) Web Security Professional	Certification Partners	The CIW Web Security Professional series certification measures knowledge and skills to configure, manage and deploy e-business solutions servers, and implement e-business and network security solutions.	1 exam required	None	None	None	www.ciwcertified.com	

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PROSO017	Certified Internet Web (CIW) JavaScript Specialist	Certification Partners	The Certified Internet Web (CIW) JavaScript Specialist certification measures knowledge and skills on how to use the JavaScript language. Competencies tested include essential principles and practices, debugging and troubleshooting code, control program flow, document object model (DOM), language objects and expressions, custom objects, modify HTML, interactive forms, security issues involving browsers and cookies, libraries and frameworks, interactive Web applications and implementing Web application programming interfaces.	1 exam required	None	None	None	www.ciwcertified.com	
PROSO019	Certified Internet Web (CIW) Perl Specialist	Certification Partners	The Certified Internet Web (CIW) Perl Specialist certification measures knowledge and skills to utilize the Perl programming language including Perl syntax, the basics of using regular expression, how to use Perl data types, and how to access and manipulate files.	1 exam required	None	None	None	www.ciwcertified.com	
PROSO021	Certified Internet Web (CIW) Web Design Professional	Certification Partners	The Certified Internet Web (CIW) Web Design Professional certification requires individuals to prove their understanding in the areas of web site design and e-commerce. Individuals must be able to develop and maintain web sites using authoring and scripting languages, create content and digital media, and employ standards and technologies for business-to-business and business-to-consumer e-commerce web sites.	2 exams required (CIW Web Design Specialist and CIW E-Commerce Specialist)	None	None	None	www.ciwcertified.com	
PROSO022	Certified Internet Web (CIW) Web Design Specialist	Certification Partners	The Certified Internet Web (CIW) Web Design Specialist certification measures knowledge and skills in how to design and publish web sites. General topics include web site development essentials (such as the site development process, customer expectations, and ethical and legal issues in web development), web design elements (such as aesthetics, the site user's experience, navigation, usability and accessibility), Basic web technologies (such as basic Hypertext Markup Language [HTML], Extensible HTML [XHTML] and extended technologies, image files, GUI site development applications, site publishing and maintenance) and advanced web technologies (such as multimedia and plug-in technologies, client-side and server-side technologies, and web databases).	1 exam required	None	None	None	www.ciwcertified.com	
PROSO023	Certified Internet Web (CIW) Web Development Professional	Certification Partners	The CIW Web Development Professional certification measures knowledge and skills in front-end scripting language, a back-end programming language and the skills to integrate with a database.	3 exams required (CIW JavaScript Specialist, CIW Perl Specialist, and CIW Database Design Specialist)	None	None	None	www.ciwcertified.com	
PROSO026	Certified Internet Web (CIW) Web Security Specialist	Certification Partners	The Certified Internet Web (CIW) Web Security Specialist certification measures knowledge and skills to secure networks from unauthorized activity including security principles, such as establishing an effective security policy, and about the different types of hacker activities that individuals in this field are most likely to encounter.	1 exam required	None	None	None	www.ciwcertified.com	
PROSO027	Certified Internet Web (CIW) Advanced HTML5 & CSS3 Specialist	Certification Partners	The CIW Advanced HTML5 and CSS3 Specialist certification tests essential HTML5, Cascading Style Sheets (CSS) and JavaScript knowledge. These technologies, known as the Web development trifecta, provide Web pages that easily adapt to smartphones, tablets, gaming devices and smart TVs, and traditional PCs.	2 exams required (CIW Advanced HTML5 and CSS3 Specialist)	None	None	None	www.ciwcertified.com	
PROSO030	Certified Internet Web (CIW) Data Analyst Specialist	Certification Partners	The Data Analyst Specialist certification exam tests knowledge in data analysis fundamentals, big data, working with data sources, tools for capturing and analyzing data, and analyzing and reporting data.	1 exam required (1D0-622); 48 questions; 75 minutes; passing score of 75% or more required	None	None	None	www.ciwcertified.com/ciw-certifications	Yes
PTCBD001	Pharmacy Technician	Pharmacy Technician Certification Board	The Pharmacy Technician certification measures knowledge and skills needed to assist pharmacists to prepare and dispense prescriptions.	1 exam required; 90 multiple choice questions; 110 minutes	Individuals must have a high school diploma or GED; no felony convictions; no drug or pharmacy related convictions, no restriction or admission of misconduct or violation of regulation by any State Board of Pharmacy.	None	None	www.ptcb.org	
REDHT002	Red Hat Certified System Administrator (RHCSA) Certification	Red Hat	The performance-based Red Hat Certified System Administrator (RHCSA) exam tests knowledge in areas of system administration common across a wide range of environments and deployment scenarios. The skills tested in this exam are the foundation for system administration across all Red Hat® products.	1 exam required (EX200). Exam is a hands-on, practical exam requiring real-world tasks. Exam duration is 2.5 - 4 hours.	Candidates should have either taken Red Hat System Administration I (RH124) and Red Hat System Administration II (RH134) or the RHCSA Rapid Track course (RH199) that combines those courses, or have comparable work experience as a system administrator on Red Hat Enterprise Linux.	None	None	https://www.redhat.com/en/services/training/ex200-red-hat-certified-system-administrator-rhcsa-exam	
SMACA001	Industry 4.0 Controls Systems Specialist	Smart Automation Certification Alliance (SACA)	The Industry 4.0 Control Systems Specialist certification prepares individuals to succeed as controls technicians in modern production environments that use Industry 4.0 technologies. In this role, individuals will install, troubleshoot, repair and maintain industrial control systems using sensors, programmable controllers and variable frequency drives.	1 written exam and 1 performance based assessment are required	None	None	None	https://www.saca.org/	Yes
SMACA002	Industry 4.0 Electrical Systems Specialist	Smart Automation Certification Alliance (SACA)	The Industry 4.0 Electrical Systems Specialist certification prepares individuals to succeed as industrial electricians in modern production environments that use Industry 4.0 technologies. In this role, individuals will install, troubleshoot, repair and maintain industrial electrical circuits and electric motor systems.	1 written exam and 1 performance based assessment are required	None	None	None	https://www.saca.org/	Yes
SMACA003	Industry 4.0 Electro-Fluid Power Systems Specialist	Smart Automation Certification Alliance (SACA)	The Industry 4.0 Electro-Fluid Power Systems Specialist certification prepares individuals to succeed as electro-fluid power technicians in modern production environments that use Industry 4.0 technologies. In this role, individuals will install, troubleshoot, repair and maintain industrial solenoid-operated hydraulic and pneumatic systems.	1 written exam and 1 performance based assessment are required	None	None	None	https://www.saca.org/	Yes
SMACA004	Industry 4.0 Instrumentation Specialist	Smart Automation Certification Alliance (SACA)	The Industry 4.0 Instrumentation Specialist certification prepares individuals to succeed as instrumentation technicians in modern production environments that use Industry 4.0 technologies. In this role, individuals will install, troubleshoot, repair and maintain instrumentation and control systems using transducers, transmitters, and PID controllers used to control flow, pressure, temperature and pressure of industrial fluid processes.	1 written exam and 1 performance based assessment are required	None	None	None	https://www.saca.org/	Yes
SMACA005	Industry 4.0 Mechanical Systems Specialist	Smart Automation Certification Alliance (SACA)	The Industry 4.0 Mechanical Systems Specialist certification prepares individuals to succeed as industrial mechanics in modern production environments that use Industry 4.0 technologies. In this role, individuals will install, troubleshoot, repair and maintain industrial mechanical power transmission systems using belt, chain, shaft coupling and gear power transmission methods.	1 written exam and 1 performance based assessment are required	None	None	None	https://www.saca.org/	Yes
SMACA006	Industry 4.0 Network Systems Specialist	Smart Automation Certification Alliance (SACA)	The Industry 4.0 Network Systems Specialist certification prepares individuals to succeed as technicians supporting networked Industry 4.0 automation systems. In this role, individuals will install, program, troubleshoot, monitor and maintain networked automation systems using Ethernet networks, smart sensors, controllers, data analytics software and automated machines.	1 written exam and 1 performance based assessment are required	None	None	None	https://www.saca.org/	Yes

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SMACA007	Industry 4.0 Operations Specialist	Smart Automation Certification Alliance (SACA)	The Industry 4.0 Operations Specialist certification prepares individuals to succeed as team lead operators in modern production environments that use Industry 4.0 technologies. In this role, individuals will perform automated machine setup and adjustment, operate and monitor system operation, perform preventive and predictive maintenance and analyze and optimize system operation.	1 written exam and 1 performance based assessment are required	None	None	None	https://www.saca.org/	Yes
SMACA008	Industry 4.0 Robotics Specialist	Smart Automation Certification Alliance (SACA)	The Industry 4.0 Robotics Specialist certification prepares individuals to succeed as robotics technicians in modern production environments that use Industry 4.0 technologies. In this role, individuals will install, program, test, interface and maintain industrial robot systems and workcells.	1 written exam and 1 performance based assessment are required	None	None	None	https://www.saca.org/	Yes
SMFEN001	Lean Bronze Certification (LBC)	Society of Manufacturing Engineers	The Lean Bronze Certification (LBC) certification measures knowledge of basic lean principles and tools, and ability in tactical implementation that drives improvement and shows measurable results.	1 exam required; 150 questions; complete a portfolio that outlines and documents 5 Lean projects and a summary of those projects.	To be eligible to take the LBC requires two academic quarters or equivalent of time spent in the study of Lean.	Minimum 1 year of industry work experience; minimum 6 months of experience of directly related to Lean implementation (total experience must equal 4 years of combined industry experience, Lean experience and academic study).	None	www.sme.org	
SMRPR001	Certified Maintenance and Reliability Professional (CMRP)	Society for Maintenance and Reliability Professionals	The Certified Maintenance and Reliability Professional certification measures knowledge and skills for preventive, predictive, and corrective maintenance. CMRPs can perform troubleshooting and analysis, and apply sound maintenance practices in all aspects of their work.	1 exam required; 175 multiple choice questions; 4 hours	Candidates must schedule and take an examination within six months of the date they make application and are made eligible to sit for it.	None	None	www.smrp.org	
SOLID004	Certified Solidworks Professional - Academic (CSWP-Academic)	Dassault Systems Solidworks Corporation	The CSWP - Academic certification measures advanced knowledge and skills of engineering design principles and practices focusing on Parts, Assemblies, and Drawings.	1 exam required; 3.5 hours	None	None	Intended for individuals with a minimum of 1 to 2 years of SOLIDWORKS experience and advanced knowledge of engineering practices.	www.solidworks.com	
SPACE001	Aerospace Technician	SpaceTec	The Aerospace Technician certification measures knowledge and skills for successful entry level employment of aerospace technicians who manufacture, assemble, service, test, operate, maintain, or repair systems associated with expendable and reusable space launch vehicles, payloads, related laboratories, and ground support equipment.	1 exam required (3 parts: Written, Oral and Practical); 70 questions	An individual must meet at least one of the following verifiable criteria to sit for the exam: have a two year technical college program degree; have/had a two year technical military assignment; hold a FAA Airframe/Powerplant certificate; or have two or more years of on the job training and experience in the Aerospace industry.	None	None	www.spacetec.us	
TAFOM001	Certified in Production and Inventory Management (CPIM)	Association of Supply Chain Management (ASCM)	The Certified in Production and Inventory Management (CPIM) certification measures knowledge and skills in the latest production and inventory management techniques and trends, including production planning, materials and capacity requirements planning, just in time, and systems and technologies.	5 exams required	None	None	None	www.apics.org	
USINS003	Advanced Unmanned Safety: Level 2	Unmanned Safety Institute	The Advanced Unmanned Safety: Level 2 certification tests competencies in professional aviation safety and operations; the implementation of the four pillars of a safety management system; the processes and tools for capturing and mitigating risk in unmanned operations; continuous improvement programs as they relate to unmanned operations; and safety promotion within unmanned aviation.	1 exam required; 70 questions; 120 minutes	None	None	None	https://www.unmannedsafetyinstitute.org/advanced-safety-certification-l2	
USINS004	Advanced Unmanned System Operations (AUSO) Flight	Unmanned Safety Institute	The Advanced Unmanned System Operations (AUSO) Flight certification tests competencies in unmanned aviation safety operations; flight risk assessment; practical test standards; the ability to perform safely in reaction to simulated emergencies; decision making in flight; the ability to follow checklists and procedures; professional and safe attitudes in the operation of unmanned systems; and unmanned aircraft systems.	1 exam required: AUSO Flight and Systems Exam	None	None	None	https://www.youracclaim.com/org/unmanned-safety-institute/badge/advanced-unmanned-system-operations-auso-flight	
USINS005	Advanced Unmanned System Operations (AUSO) Ground	Unmanned Safety Institute	The Advanced Unmanned System Operations (AUSO) Ground certification exam tests competencies in unmanned aviation safety to unmanned operations; pre-flight risk assessments; aircraft systems; checklist procedures and proficiency through simulation; safety analysis for new locations; emergency response maneuvers and procedures; datalink configurations; and the use of safety features on aircraft.	1 exam required: AUSO Ground and Systems Exam	None	None	None	https://www.youracclaim.com/org/unmanned-safety-institute/badge/advanced-unmanned-system-operations-auso-ground	
VMWRE004	VMware Certified Professional - Data Center Virtualization	VMWare	VMware Certified Professional - Data Center Virtualization certification measures users' skill level in implementing, managing and installing virtual data center environments using best practices.	1 exam, 70 questions, 105 minutes	Must attend one training course at an authorized training center and pass the vSphere 6 or 6.5 Foundations Exam.	None	None	https://mylearn.vmware.com/mgrReg/plan.cfm?plan=101013&ui=www_cert	
YAMAHO01	Yamaha Marine Maintenance Certification: Inline	Yamaha	The Yamaha Marine Maintenance Certification: Inline requires candidates to understand and apply concepts of marine engine repair techniques based on acquired knowledge and experience. Candidates demonstrate the ability to associate the servicing and repair requirements with specific marine engines. Assessed competencies include compression tests, pressure tests, removing and reinstalling lower units and draining and refilling lower unit gear lubricant on marine engines. Individuals are examined on their comprehension of inspecting and replacing marine batteries, spark plugs, spark plug wires, ignition coils, thermostats, timing belts, propellers, water pumps, anodes and the fuel filter and pump on marine engines. Candidates understand how to inspect and adjust valve clearance and throttle cables on marine engines.	1 exam required; 50 questions; multiple-choice, fill in the blank, and true or false questions; 120 minutes; minimum passing score of 80 percent	Candidates are required to complete a minimum of 150 hours of marine-service instruction OR have a minimum of two years of experience in the field as a marine technician.	None	None	https://www.yamaha-dealers.com/techhub/marine/#	Yes
YAMAHO02	Yamaha Marine Maintenance Certification: Mid-Range	Yamaha	The Yamaha Marine Maintenance Certification: Mid-Range requires candidates to understand and apply concepts of marine engine repair techniques based on acquired knowledge and experience. Candidates demonstrate the ability to associate the servicing and repair requirements with specific marine engines. Assessed competencies include compression tests, pressure tests, power, and manual tilt functions, removing and reinstalling lower units, and draining and refilling lower unit gear lubricant on marine engines. Individuals are examined on their comprehension of inspecting and replacing anodes, water pumps, fuel filters and pumps, marine batteries, thermostats, timing belts, and propellers on marine engines. Candidates understand how to inspect and adjust valve clearance and throttle cables on marine engines.	1 exam required; 50 questions; multiple-choice, fill in the blank, and true or false questions; 120 minutes; minimum passing score of 80 percent	Candidates are required to complete a minimum of 150 hours of marine-service instruction OR have a minimum of two years of experience in the field as a marine technician.	None	None	https://www.yamaha-dealers.com/techhub/marine/#	Yes

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