

Career Clusters and Related National Certifications for Career and Technical Education
 (Note: list compiled from data submitted by CTECS members, not exhaustive)

CAREER CLUSTER	Pathway	Certification Title	Issuing Organization	Web Site
AGRICULTURE, FOOD & NATURAL RESOURCES				
	Plant Systems	Certified Professional Horticulturalist (CPH)	American Society for Horticulture Science	www.ashs.org/
ARCHITECTURE & CONSTRUCTION				
Heating, Air Conditioning, Refrigeration Occupations		Instructor Certification Training Programs	Ntl Center for Construction Education & Research (NCCER)	www.nccer.org
		EPA Section 608 Refrigerant Certification	Air Conditioning Contractors of America	www.acca.org
		RSES Technical Institute	Refrigeration Service Engineering Society	www.rses.org
		HVAC/R Program Accreditation	Partnership for HVAC/R Accreditation (PAHRA)	www.pahrahvacr.org
		Air Conditioning Service Tech	North American Technical Excellence, Inc. (NATE)	www.natex.org
		Air Conditioning Installation Tech	North American Technical Excellence, Inc. (NATE)	www.natex.org
		Air Distribution Installation Tech	North American Technical Excellence, Inc. (NATE)	www.natex.org
		Air Distribution Service Tech	North American Technical Excellence, Inc. (NATE)	www.natex.org
		Gas Furnace Service Tech	North American Technical Excellence, Inc. (NATE)	www.natex.org
		Gas Furnace Installation Tech	North American Technical Excellence, Inc. (NATE)	www.natex.org
		Heat Pump Furnace Tech	North American Technical Excellence, Inc. (NATE)	www.natex.org
		HVACR	Air Conditioning Refrigeration Institute (ARI)	www.ari.org/cert/index.htm
		Oil Furnace Installation Tech	North American Technical Excellence, Inc. (NATE)	www.natex.org
		Oil Service Tech	North American Technical Excellence, Inc. (NATE)	www.natex.org
		HVAC Excellence Certification	HVAC Excellence	www.hvacexcellence.org/
Residential & Commercial Construction		AutoCAD	AutoDesk	http://usa.autodesk.com
		Instructor Certification Training Programs (Bldg Construction, Carpentry, Electricity, Masonry, Plumbing)	Ntl Center for Construction Education & Research (NCCER)	www.nccer.org
		ABET Program Accreditation	Accreditation Board for Engineering and Technology	www.abet.org/
		IAC	IAC Industrial Technology Accreditation Committee (IAC) – for architectural drafting	www.actgov.org
		Drafter	American Design Drafting Association International (ADDA)	www.adda.org
ARTS, AUDIO-VIDEO TECHNOLOGY & COMMUNICATION				
Visual Arts		Certified Drafter	American Design and Drafting Association (ADDA)	www.adda.com
		AutoCAD	AutoDesk	http://usa.autodesk.com
		PrintED	Graphic Arts Education and Research Foundation (GAERF®)	www.gaerf.org
Audio and Video Technology and Film		A+	CompTIA	www.comptia.org
		EMC Certification	NARTE	www.narte.org/h/emc.asp
BUSINESS AND ADMINISTRATION				
Business Administrative Support Occupations		Internet and Computing Core Certification (IC3)	Certiport	www.certiport.com
		Accredited Legal Secretary (ALS)	National Association of Legal Secretaries (NALS)	www.nals.org
		Microsoft Office Specialist (MOS)	Microsoft	www.microsoft.com/learning
		Certified Professional Secretary (CPS)	International Assoc. of Administrative Professionals	www.iaap-hq.org/
		Certified Administrative Professional (CAP)	International Assoc. of Administrative Professionals	http://www.iaap-hq.org/
		Fundamental Payroll Certification	American Payroll Association	www.americanpayroll.org/certi.html
		Certified Payroll Professional	American Payroll Association	www.americanpayroll.org/certi.htm
		Office Proficiency Certification	Office Proficiency Assessment and Certification (OPAC)	www.iowaworks.org/opac.htm
(all pathways)	Job Role Certification programs	Brain Bench	www.brainbench.com	
(all pathways)	Virtual Enterprise (VE)	Virtual Enterprise Network	www.venetwork.org	
(all pathways)	Fundamental Business Concepts	ASK Institute - Assessment of Skills and Knowledge for Business	www.askinstitute.org	

Career Clusters and Related National Certifications for Career and Technical Education
 (Note: list compiled from data submitted by CTECS members, not exhaustive)

CAREER CLUSTER	Pathway	Certification Title	Issuing Organization	Web Site
EDUCATION & TRAINING				
Teaching/Training		Child Development Accreditation (CDA)	Council for Early Childhood Professional Recognition	www.cdacouncil.org
		Child Development Associate (CDA) National Credential	Council for Professional Recognition	www.cdacouncil.org
		Child Development Associate (CDA)	Council for Early Childhood Professional	www.cdacouncil.org
		The Real Game Series	NTI Occupational Information System	www.realgame.org
		ServSafe	Hospitality and Restaurant Association	www.nraef.org/servsafe
Child Care and Teacher Aides		Child Development Accreditation (CDA)	Council for Early Childhood Professional Recognition	www.cdacouncil.org
		Child Development Associate (CDA) National Credential	Council for Professional Recognition	www.cdacouncil.org
		Child Development Associate (CDA)	Council for Early Childhood Professional Recognition	www.cdacouncil.org
FINANCE				
Academy of Finance		Academy of Finance Certificate (AOF)	National Academy Foundation	www.naf.org
GOVERNMENT & PUBLIC ADMINISTRATION				
Environmental Technology		Certified Environmental Health Technician (CEHT)	National Environmental Health Association (NEHA)	www.neha.org
		Registered Environmental Technician (RET)	National Environmental Health Association (NEHA)	www.neha.org
Regulatory Services		Certified Environmental Health Technician (CEHT)	National Environmental Health Association (NEHA)	www.neha.org
		Registered Hazardous Substance Specialist (RHSS) Certification	National Environmental Health Association (NEHA)	www.neha.org
HEALTH SCIENCE				
Diagnostic Services		First Responder; Responding to Emergencies	American Red Cross	www.redcross.org/services/hss
		Emergency Medical Technician	Department of Health, Office of Emergency Medical Services	
		Nurse Aide	Board of Nursing	
		Sports Safety Training; Injury Control	American Red Cross	www.redcross.org/services/hss
		Emergency Dispatcher Certification (ETC)	National Academies of Emergency Dispatch	www.emergencydispatch.org
		(varied laboratory personnel certifications)	The National Credentialing Agency for Laboratory Personnel, Inc.	www.nca-info.org
Therapeutic		Pharmacy Technician	Pharmacy Technician Certification Board (PTCB)	www.ptcb.org
		First Aid, CPR, AED	American Red Cross	www.redcross.org/services/hss
		ARC Trainer	American Red Cross	www.redcross.org/services/hss
		First Aid, CPR, AED	American Heart Association	www.americanheart.org
		Certified Dental Tech (CDT)	National Association for Dental Laboratories (NADL)	www.nadl.org
		Certified Medical Assistant (CMA)	American Association of Medical Assistants (AAMA)	www.aama-ntl.org
		Dental Assisting	Board of Nursing	www.ncsbn.org
		Medical Assisting	American Association of Medical Assistants (AAMA)	www.aama-ntl.org
		Nurse Aide	Board of Nursing	
		Surgical Technician (may be certified an/or licensed)	Accreditation Review Commission on Education for Surgical Technology	
		Pathology	American Society for Clinical Pathology	www.ascp.org
		Certified Phlebotomy Technician (CPT), Certified EKG/ECG Technician (CET), Certified Pharmacy Technician (CPhT), Certified Clinical Medical Assistant (CCMA), Certified Billing & Coding Specialist (CBCS), Certified Medical Transcriptionist (CMT), Certified Medical Administrative Assistant (CMAA), Certified Medical Laboratory Assistant (CMLA), Certified Patient Care Technician (CPCT), Certified Patient Care Associate (CPCA), Certified Nurse Technician (CNT), Surgical/Operating Room Technician (COSRT), Certified Healthcare Instructor (CHI), Certified Mental Health Technician (CMHT)	National Healthcareer Association	www.nhanow.com

Career Clusters and Related National Certifications for Career and Technical Education
(Note: list compiled from data submitted by CTECS members, not exhaustive)

CAREER CLUSTER			
Pathway	Certification Title	Issuing Organization	Web Site
	Phlebotomy Technician	American Society for Phlebotomy Technicians	www.aspt.org/
	Certified Strength and Conditioning Specialist (CSCS) and NSCA-Certified Personal Trainer (NSCA-CPT)	National Strength and Conditioning Association NSCA Certification Commission	www.nasca.org
	Personal Trainer Certification, Group Fitness Instructor Certification, Lifestyle & Weight Management Consultant Certification, Clinical Exercise Specialist Certification, and Specialty Certification: Peer Fitness Trainer Certification	American Council on Exercise	www.acefitness.org
	Home Care Aide	Home Care University	www.nahc.org
	Home Care and Hospice Executives (CHCE)	Home Care University	www.nahc.org
Environmental	Certified Environmental Health Tech (CEHT)	National Environmental Health Association (NEHA)	www.neha.org
	Registered Environmental Technician (RET)	National Environmental Health Association (NEHA)	www.neha.org
HOSPITALITY & TOURISM			
Food Production and Services	ProStart	National Restaurant Association Education Foundation	www.nraef.org/prostart
	Certified Secondary Graduate	American Culinary Federation	www.acfcchefs.org
	ServSafe	Hospitality and Restaurant Association	www.nraef.org/servsafe
	Access	America Culinary Federation, Inc (ACF)	www.acfcchefs.org
	Restaurant Services	American Hotel and Motel Association (AH&MA)	www.ahma.com
	Culinary Arts (CHEFS)	American Hotel and Motel Association (AH&MA)	www.ahma.com
Lodging & Housekeeping	Front Desk Agents	American Hotel and Motel Association (AH&MA)	www.ahma.com
Travel and Tourism Services	Academy of Travel & Tourism	National Academy Foundation	www.naf.org
	Certified Rooms Division Specialist (CRDS); Lodging Management Program (LMP)	American Hotel and Lodging Education Institute	www.ei-ahla.org
	ServSafe	Hospitality and Restaurant Association	www.nraef.org/servsafe
	Certified Hospitality Sales Professional (CHSP)	American Hotel and Motel Association (AH&MA)	www.ahma.com
	Certified Hospitality Supervisor (CHS)	American Hotel and Motel Association (AH&MA)	www.ahma.com
	ProStart	Hospitality Business Alliance	www.nraef.org/prostart
	Certified Travel Counselor (CTC)	Institute of Certified Travel Agents (ICTA)	www.thetravelinstitute.com
	Room Attendants	American Hotel and Motel Association (AH&MA)	www.ahma.com
	Restaurant Services	American Hotel and Motel Association (AH&MA)	www.ahma.com
	National Professional Certification in Customer Service	National Retail Federaton Foundation	www.nrf.com
HUMAN SERVICES			
Human Services	First Aid, CPR, AED	American Heart Association	www.americanheart.org
	First Aid, CPR, AED	American Red Cross	www.redcross.org/services/hss
	ARC Trainer	American Red Cross	www.redcross.org/services/hss
FACS	Child Development Associate (CDA) National Credential	Council for Professional Recognition	www.cdacouncil.org
	American Red Cross Babysitting Certification	American Red Cross	www.redcross.org/services/hss
	The Real Game Series	Ntl Occupational Information System	www.realgame.org
	ServSafe	Hospitality and Restaurant Association	www.nraef.org/servsafe

Career Clusters and Related National Certifications for Career and Technical Education
(Note: list compiled from data submitted by CTECS members, not exhaustive)

CAREER CLUSTER	Pathway	Certification Title	Issuing Organization	Web Site	
INFORMATION TECHNOLOGY					
Academy of Information Technology		Academy of Information Technology Certificate	National Academy Foundation	www.naf.org	
Information Support and Services		Consumer Electronics Associate (CEA)	Electronics Technicians Association, International (ETA)	www.eta-i.org	
		Customer Service Specialist (CSS)	Electronics Technicians Association, International (ETA)	www.eta-i.org	
		A+	CompTIA	www.comptia.org	
		Home Technology Integrator + (HTI)	CompTIA	www.comptia.org	
		Microsoft Certified Database Administrator (MCDBA)	Microsoft	www.microsoft.com/learning	
		Oracle DBA	Oracle	www.oracle.com	
		Oracle Instructor Certification: Management/SQL; Development PL/SQL	Oracle Internet Academy	http://academy.oracle.com	
		Microsoft Office Specialist (MOS)	Microsoft	www.microsoft.com/learning	
		Internet Core Computing Certification (IC3)	Certiport	www.certipoint.com	
		DocuTech	Xerox	www.xerox.com	
	Networking Systems		A+	CompTIA	www.comptia.org
			Network+	CompTIA	www.comptia.org
			Fiber Optics Installer Certification (FOIC)	Electronics Technicians Association, International (ETA)	www.eta-i.org
		Cisco Network Administrator	Cisco	www.cisco.com	
		Certified Novell Administrator	Novell	www.novell.com/training	
		Certified Novell Engineer	Novell	www.novell.com/training	
		Computer Service Technician (CST)	Electronics Technicians Association, International (ETA)	www.eta-i.org	
		Home Technology Integrator + (HTI)	CompTIA	www.comptia.org	
		Network+	CompTIA	www.comptia.org	
		I-NET+	CompTIA	www.comptia.org	
		Registered Small-Dish Installer (RSDI)	Electronics Technicians Association, International (ETA)	www.eta-i.org	
		Cisco Certified Networking Associate (CCNA) - WAN Switching	Cisco	www.cisco.com	
		Cisco Certified Networking Associate (CCNA) – Routing and Switching	Novell	www.novell.com/training	
Programming and Software Development			A+	CompTIA	www.comptia.org
			Certified Internet Webmaster	CompTIA	www.comptia.org
		Certified Internet Webmaster Enterprise Developer	CompTIA	www.comptia.org	
		Certified Internet Webmaster E-Commerce	CompTIA	www.comptia.org	
		Certified Internet Webmaster Server Administrator	CompTIA	www.comptia.org	
		Certified Internet Webmaster Internetworking Professional	CompTIA	www.comptia.org	
		Certified Internet Webmaster Site Designer	CompTIA	www.comptia.org	
		Certified Internet Webmaster Application Developer	CompTIA	www.comptia.org	
		Architect for Java Technology Java 2 Platform	Sun Systems	www.sun.com/training	
		Developer for Java Platform	Sun Systems	www.sun.com/training	
		Microsoft Certified Systems Engineer + Internet (MCSE + 1)	Microsoft	www.microsoft.com/learning	
		Microsoft Certified Systems Engineer (MCSE) for Windows 2000 and Windows NT 4.0	Microsoft	www.microsoft.com/learning	
		Microsoft Certified Professional + Site Building (MCP + Site Building)	Microsoft	www.microsoft.com/learning	
		Microsoft Certified Professional + Internet (MCP + 1)	Microsoft	www.microsoft.com/learning	
		Oracle Applications Developer	Oracle	www.oracle.com	
		Oracle Instructor Certification: Management/SQL; Development PL/SQL; Java	Oracle Internet Academy	http://academy.oracle.com	
		Sun Certified Programmer	Sun Systems	www.sun.com/training	
		Microsoft Certified Internet Webmaster (CIW)	Microsoft	www.microsoft.com/learning	
		Programmer for Java Platform	Sun Systems	www.sun.com/training	
		Microsoft Certified: Systems Engineer, Applications Developer, Solution Developer	Microsoft	www.microsoft.com/learning	
		Web (WOW) Certification	World Organization of Webmasters	http://www.webprofessionals.org/certification/	

Career Clusters and Related National Certifications for Career and Technical Education
(Note: list compiled from data submitted by CTECS members, not exhaustive)

CAREER CLUSTER			
Pathway	Certification Title	Issuing Organization	Web Site
Interactive Media	Architect for Java Technology Java 2 Platform	Sun Systems	www.sun.com/training
	Programmer for Java Platform	Sun Systems	www.sun.com/training
	Microsoft Certified Professional + Site Building (MCP + Site Building)	Microsoft	www.microsoft.com/learning
	Certified Internet Webmaster Enterprise Developer	CompTIA	www.comptia.org
	Certified Internet Webmaster E-Commerce	CompTIA	www.comptia.org
	Certified Internet Webmaster Server Administrator	CompTIA	www.comptia.org
	Certified Internet Webmaster Application Developer	CompTIA	www.comptia.org
	Certified Internet Webmaster Internetworking Professional	CompTIA	www.comptia.org
	Certified Internet Webmaster Site Designer	CompTIA	www.comptia.org
	Certified Internet Webmaster	CompTIA	www.comptia.org
	Microsoft Certified Internet Webmaster (CIW)	Microsoft	www.microsoft.com/learning
LAW AND PUBLIC SAFETY			
Criminal Justice and Corrections	Certified Protection Officer	International Foundation for Protection Officers (IFPO)	www.ifpo.org
MANUFACTURING			
Industrial Systems Technology	Instructor Certification Training Programs	Ntl Center for Construction Education & Research (NCCER)	www.nccer.org
Precision Metal Production	National Institute for Metalworking Skills Certification	National Institute for Metalworking Skills (NIMS)	www.nims-skills.org
	Instructor Certification Training Programs (welding tech)	Ntl Center for Construction Education & Research (NCCER)	www.nccer.org
	American Welding Society (AWS) Certification	American Welding Society (AWS)	www.aws.org
	Engine Machinist	National Institute for Automotive Service Excellence (ASE)	www.ase
	Precision Machining Technology (NIMS – National Institute for Metalworking Skills)	National Tool and Machining Association (NTMA)	www.nims-skills.org/home/index.htm
	Welding (SENSE – School Excelling Through National Standards Education)	American Welding Society (AWS)	www.aws.org
Electromechanical Installation and Maintenance	A+	CompTIA	www.comptia.org
	Air Conditioning Service Tech	North American Technical Excellence, Inc. (NATE)	www.natex.org
	Air Conditioning Installation Tech	North American Technical Excellence, Inc. (NATE)	www.natex.org
	Air Distribution Installation Tech	North American Technical Excellence, Inc. (NATE)	www.natex.org
	Air Distribution Service Tech	North American Technical Excellence, Inc. (NATE)	www.natex.org
	Gas Furnace Service Tech	North American Technical Excellence, Inc. (NATE)	www.natex.org
	Gas Furnace Installation Tech	North American Technical Excellence, Inc. (NATE)	www.natex.org
	Heat Pump Furnace Tech	North American Technical Excellence, Inc. (NATE)	www.natex.org
	HVACR	Air Conditioning Refrigeration Institute (ARI)	www.ari.org/cert/index.htm
	Oil Furnace Installation Tech	North American Technical Excellence, Inc. (NATE)	www.natex.org
	Oil Service Tech	North American Technical Excellence, Inc. (NATE)	www.natex.org
	Certified Electronics Technician (CET) Associate	Electronics Technicians Assn - Intl (ETA)	www.eta-i.org
	Certified Satellite Installed and TV Receive Technician	Electronics Technicians Assn, Intl (ETA)	www.eta-i.org
	Computer Service Technician (CST)	Electronics Technicians Assn, Intl (ETA)	www.eta-i.org
	Certified Electronic Technician Associate	Electronics Technicians Assn - Intl	www.eta-sda.com
	Certified Electronic Technician Associate	Electronic Industries Foundation	www.eia.org/elf
	Fiber Optics Installer Certification (FOIC)	Electronics Technicians Association, Intl (ETA)	www.eta-i.org
	DocuTech	Xerox	www.xerox.com
	Production Design, Operations, and Maintenance	National Certification in Plastics-Certified Operator Program	The Society of the Plastics Industry (SPI)

Career Clusters and Related National Certifications for Career and Technical Education
(Note: list compiled from data submitted by CTECS members, not exhaustive)

CAREER CLUSTER				
Pathway	Certification Title	Issuing Organization	Web Site	
RETAIL/WHOLESALE SALES AND SERVICE				
Merchandising and Sales	Assessment of Skills and Knowledge for Business (A.S.K.)	Mark-ED	www.mark-ed.org	
	Certified Hospitality Sales Professional (CHSP)	American Hotel and Motel Association (AH&MA)	www.ahma.com	
	Fundamental Marketing Concepts	ASK Institute - Assessment of Skills and Knowledge for Business	www.askinstitute.org	
SCIENTIFIC RESEARCH AND ENGINEERING				
Engineering and Engineering Technology	Certified Electronics Technician (CET) Associate	Electronics Technicians Assoc, Intl (ETA)	www.eta-i.org	
	A+	CompTIA	www.comptia.org	
	Computer Service Technician (CST)	Electronics Technicians Assoc, Intl (ETA)	www.eta-i.org	
TRANSPORTATION, DISTRIBUTION & LOGISTICS				
Facility and Mobile Equipment Maintenance	Automotive Technician	Ntl Institute for Automotive Service Excellence (ASE)	www.asecert.org	
	Certified Electronics Technician (CET) Associate	Electronics Technicians Association, International (ETA)	www.eta-i.org	
	Collision Repair and Refinishing Technician	Ntl Institute for Automotive Service Excellence (ASE)	www.asecert.org	
	Computer Service Technician (CST)	Electronics Technicians Association, International (ETA)	www.eta-i.org	
	Damage Analysis and Estimating	National Institute for Automotive Service Excellence (ASE)	www.asecert.org	
	Parts Specialist – Automobile or Medium/Heavy Truck	National Institute for Automotive Service Excellence (ASE)	www.asecert.org	
	Small Engine Repair (OPE – Outdoor Power Equipment)	Equipment and Engine Training Council	www.eetc.org	
	Technician Medium and Heavy Truck	Ntl Institute for Automotive Service Excellence (ASE)	www.asecert.org	
	Automotive Service Excellence Certification	Ntl Automotive Technicians Education Foundation (NATEF)	www.natef.org	
	Auto Body Excellence	Ntl Institute for Automotive Service Excellence (ASE)	www.asecert.org	
	Automotive Service Excellence Certification	Ntl Automotive Technicians Education Foundation (NATEF)	www.natef.org	
	Auto Technician Excellence	Ntl Institute for Automotive Service Excellence (ASE)	www.asecert.org	
	Outdoor Power Equipment Certification	Equipment and Engine Training Council	www.eetc.org	
	Section 609 Certification Refrigerant Recycling and Recovery	Mobile Air Conditioning Society Worldwide	www.macsww.org	
	S/P2 Safety & Pollution Prevention	The Coordinating Committee For Automotive Repair (CCAR)	www.ccar-traininglink.org/index.php	
	Sales & Service	Certified Hospitality Supervisor (CHS)	American Hotel and Motel Association (AH&MA)	www.ahma.com
		Certified Travel Counselor (CTC)	Institute of Certified Travel Agents (ICTA)	www.thetravelinstitute.com
Customer Support Specialist (CSS)		Electronics Technicians Association, International (ETA)	www.eta-i.org	
Front Desk Agents		American Hotel and Motel Association (AH&MA)	www.ahma.com	
ProStart		Hospitality Business Alliance	www.nraef.org/prostart/	