

INDUSTRY-RECOGNIZED CERTIFICATIONS FOR CAREER AND TECHNICAL EDUCATION PROGRAMS

Cluster: Architecture & Construction

CIP Code	Program Title	Value Added	Certification Description	Issuing Organization
15.1303	Architectural Drafting & Architectural CAD/CADD	Certified Drafter	International certification that recognizes a candidate's drafting knowledge. http://www.adda.org/displaycommon.cfm?an=5	American Design Drafting Association
15.1303 48.0101 48.0102 48.0103	Autodesk Academic Certification for AutoCAD®, AutoCAD® Architecture, Revit® Architecture, AutoCAD® Civil 3D®, Autodesk® Inventor®	Academic Certification	The Autodesk Academic certification program enables students to earn a credential that recognizes their knowledge of specific Autodesk software applications. Students can demonstrate their software skills and gain a competitive edge in their academic and professional careers. Institutions benefit by being able to provide a powerful method to effectively measure student competencies. This comprehensive program for secondary and postsecondary students provides professional-level exams at an affordable academic price. The program also provides student-oriented convenience by letting them take examinations at a local school. The result: the same credential earned by working professionals. http://usa.autodesk.com/adsk/servlet/item?siteID=123112&id=10115126	Autodesk
15.1304	Individual Detailer Certification	Certified Structural Steel Detailer	National Institute of Steel Detailing's Individual Detailer Certification Program (I.D.C.) offers international certification in Bridge and Structural Miscellaneous steel detailing services. http://www.nisd.org/certification_programs.html	National Institute of Steel Detailing
	International Code Council Certified Building Official (CBO)	Certified Building Official	Provides training and certification for individuals to achieve certification as a Building Inspection for inspecting to the International Building Code www.intlcode.org/certification/choinfo.htm	International Code Council
	CSI Certification Program	Certified Construction Specification Writer	Construction Specification Institute's certification program for attaining certification as a Construction Specification Writer www.csinet.org/certify/index.htm	Construction Specification Institute
	Survey Technician Certification Program	Certified Professional Surveyor	Comprehensive national certification program for survey technicians recognized by the U.S. Department of Labor as part of the National Apprenticeship Program. The Survey Technician Certification Board (STCB), which administers this program, recognizes the importance of technicians to the surveying and mapping profession. http://www.nspsmo.org/cst/get_certified.shtml	National Society of Professional Surveyors
Various	Iowa Architecture and Construction-related apprenticeships	BAT Certification	Apprenticeship combines classroom studies with on-the-job training supervised by a trade professional. Apprenticeships are available in carpentry, millwright, plumbing, electrical, and other occupations in this cluster. http://www.iowaworkforce.org/apprenticeship/careers.htm	Unions, Community Colleges, Private Schools, and Employers
46.0101	Mason/Masonry	NCCER credentials Carpentry	NCCER develops and publishes the Contren® Learning Series which consists of construction, maintenance, and pipeline curricula, safety programs; management education, and skills assessments. http://www.nccer.org/credentialsOverview.aspx	National Center for Construction Education and Research (NCCER)
	ACI Field Technician Certification Program	ACI Field Technician	American Concrete Institute's training and certification program for placing and finishing concrete flatwork www.aci-int.org/	American Concrete Institute
46.0201	Carpentry/Carpenter	NCCER credentials (various trades)	NCCER develops and publishes the Contren® Learning Series which consists of construction, maintenance, and pipeline curricula, safety programs; management education, and skills assessments. http://www.nccer.org/credentialsOverview.aspx	National Center for Construction Education and Research (NCCER)
46.021	Carpentry/Carpenter	Residential Construction Academy (RCA) National Registry	The RCA, in partnership with Delmar/Thomson Learning, brings together industry know-how with cutting-edge training materials, including textbooks, videos, and CD-ROMS based on industry standards developed by the nation's builders, remodelers, and educators. http://www.hbi.org/page.cfm?pageID=162	Home Builders Institute

46.0303	Lineworker	NCCER credentials - Electrical	NCCER develops and publishes the Contren® Learning Series which consists of construction, maintenance, and pipeline curricula, safety programs; management education, and skills assessments. http://www.nccer.org/credentialsOverview.aspx	National Center for Construction Education and Research (NCCER)
46.0399	Electrical & Power Transmission Installers, Other	NCCER credentials - Electrical	NCCER develops and publishes the Contren® Learning Series which consists of construction, maintenance, and pipeline curricula, safety programs; management education, and skills assessments. http://www.nccer.org/credentialsOverview.aspx	National Center for Construction Education and Research (NCCER)
46.0301	Electrician	Iowa State Electrical Licensing	The Iowa General Assembly has enacted legislation (Iowa Code Chapter 103) which establishes a statewide licensing program for electricians and electrical contractors. 2008. Enforcement of these provisions will commence after the administrative rules have been adopted by the Board, the licensing program has been established, and electrical contractors and electricians have the opportunity to apply for and obtain their licenses http://www.dps.state.ia.us/fm/electrician/board/index.shtml	Fire Marshal Division of the Iowa Department of Public Safety
46.0301	Residential Wiring	Residential Construction Academy (RCA) National Registry	The RCA, in partnership with Delmar/Thomson Learning, brings together industry know-how with cutting-edge training materials, including textbooks, videos, and CD-ROMS based on industry standards developed by the nation's builders, remodelers, and educators. http://www.hbi.org/page.cfm?pageID=162	Home Builders Institute
	Home Technology Systems Specialist	Home Technology Integrator Certification (HTI+)	Certification is based on a set of standards designed to measure the mastery of core competencies regarding the installation, integration, and troubleshooting of automated home sub-systems: Home Security, Audio/Video, Computer Networks, Electrical Wiring, HVAC, Cable/Satellite, Broadband, Telecommunications, and Structured Wiring. http://certification.comptia.org/dhti/default.aspx	Computing Technology Industry Association (CompTIA)
46.0401	Building/Property Maintenance & Manager	NCCER credentials (various trades)	NCCER develops and publishes the Contren® Learning Series which consists of construction, maintenance, and pipeline curricula, safety programs; management education, and skills assessments. http://www.nccer.org/credentialsOverview.aspx	National Center for Construction Education and Research (NCCER)
46.0401	Building/Property Maintenance & Manager	Residential Construction Academy (RCA) National Registry	The RCA, in partnership with Delmar/Thomson Learning, brings together industry know-how with cutting-edge training materials, including textbooks, videos, and CD-ROMS based on industry standards developed by the nation's builders, remodelers, and educators. http://www.hbi.org/page.cfm?pageID=162	Home Builders Institute
46.0408	Painting/Painter & Wall Coverer	NCCER credentials (various trades)	NCCER develops and publishes the Contren® Learning Series which consists of construction, maintenance, and pipeline curricula, safety programs; management education, and skills assessments. http://www.nccer.org/credentialsOverview.aspx	National Center for Construction Education and Research (NCCER)
46.0499	Building/Construction Finishing, Management & Inspection, Other	NCCER credentials (various trades)	NCCER develops and publishes the Contren® Learning Series which consists of construction, maintenance, and pipeline curricula, safety programs; management education, and skills assessments. http://www.nccer.org/credentialsOverview.aspx	National Center for Construction Education and Research (NCCER)
46.0499	Building/Construction Finishing, Management & Inspection, Other	Residential Construction Academy (RCA) National Registry	The RCA, in partnership with Delmar/Thomson Learning, brings together industry know-how with cutting-edge training materials, including textbooks, videos, and CD-ROMS based on industry standards developed by the nation's builders, remodelers, and educators. http://www.hbi.org/page.cfm?pageID=162	Home Builders Institute
46.0502	Pipefitting/Pipefitter & Sprinkler Fitter	Residential Construction Academy (RCA) National Registry	The RCA, in partnership with Delmar/Thomson Learning, brings together industry know-how with cutting-edge training materials, including textbooks, videos, and CD-ROMS based on industry standards developed by the nation's builders, remodelers, and educators. http://www.hbi.org/page.cfm?pageID=162	Home Builders Institute
46.5999	Millwright	NCCER credentials (various trades)	NCCER develops and publishes the Contren® Learning Series which consists of construction, maintenance, and pipeline curricula, safety programs; management education, and skills assessments. http://www.nccer.org/credentialsOverview.aspx	National Center for Construction Education and Research (NCCER)
47.0201	Heating, Air	Industry	The Industry Competency Exams measure industry-	Air Conditioning

	Conditioning, Ventilation & Refrigeration Maintenance Technology/Technician (HAC, HACR, HVAC, HVACR)	Competency Exams (ICE) (Residential Air Conditioning and Heating, Light Commercial Air Conditioning and Heating, Commercial Refrigeration, EPA 608 Certification)	agreed standards of basic competency for entry-level technicians. http://www.ahrinet.org/Content/AHRICertificationPrograms_732.aspx	and Refrigeration Institute
47.0201	HVAC-R Technician	Student Outcome Assessment	Certifies a technician's skill level based on nationally recognized standards. http://www.hvacexcellence.org/studentassessments.htm	HVAC Excellence
47.0201	HVAC EPA Technician Certification	EPA Technician Certification	Certification required to meet EPA requirements for technicians who service units containing refrigerants. www.ari.org/edu/#epaexam	Air Conditioning and Refrigeration Institute
47.0201	HVAC-R Technician	RSES Student Technician	The RSES Technical Institute consists of six levels of HVAC/R technician competency, including student certification. http://www.rses.org/	Refrigeration Service Engineers Society (RSES)
47.0201	HVAC-R Technician	NATE Certification (various certification exams)	Certification program for technicians in the heating, ventilation, air-conditioning, and refrigeration (HVAC/R) industry. http://www.natex.org/	North American Technician Excellence (NATE)
51.8021	Stationary Engineer and Boiler Operator	Stationary Engineer and Boiler Operator	Certifies the principles of safe operation and maintenance of low-pressure and high-pressure boilers.	BAT, State and local requirements.
15.0503	NABCEP Entry Level Certification Program	NABCEP Entry Level Certification Solar Small Wind (under dev.)	The NABCEP PV Installer certification has been developed in accordance with the certification field's best practices. NABCEP is a member of the National Organization for Competency Assurance (NOCA) and has endeavored to follow the requirements of ISO/IEC Standard 17024: General Requirements for Bodies Operating Certification Systems of Persons. Certification identifies installers as professionals, validates extra resources spent on training and gaining experience, allows for installer mobility as the market moves from state to state, and allows installers to distinguish their skills and experience in the field. http://www.nabcep.org/certification/the-need-for-certification	North American Board of Certified Energy Practitioners