

**INDUSTRY-RECOGNIZED CERTIFICATIONS FOR  
CAREER AND TECHNICAL EDUCATION PROGRAMS**

**Cluster: Science, Technology, Engineering & Mathematics**

CIP Code	Program Title	Value Added	Certification Description	Issuing Organization
15.1303 48.0101 48.0102 48.0103	Autodesk Academic Certification for AutoCAD®, AutoCAD® Architecture, Revit® Architecture, AutoCAD® Civil 3D®, Autodesk® Inventor®		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. <a href="http://usa.autodesk.com/adsk/servlet/item?siteID=123112&amp;id=10115126">http://usa.autodesk.com/adsk/servlet/item?siteID=123112&amp;id=10115126</a>	Autodesk
15.9999 15.1303	Architectural Drafting & Architectural CAD/CADD	Certified Drafter	International certification that recognizes a candidate's drafting knowledge. <a href="http://www.adda.org/displaycommon.cfm?an=5">http://www.adda.org/displaycommon.cfm?an=5</a>	American Design Drafting Association
15.0399	Electrical & Electronic Engineering Technologies/ Technicians, Other	Student Electronics Technician (SET), Associate Certified Electronics Technician (CETa)	Professionally recognized certification in the area of electronics equipment service and support. <a href="http://www.eta-i.org/CertsGroups.html">http://www.eta-i.org/CertsGroups.html</a>	Electronics Technicians Association, International
15.1103	Fluid Power	Fluid Power Certifications	Offers certifications in Fluid Power Conductor & Connector, Fluid Power Certified Mechanic, Fluid Power Certified Technician, Fluid Power Specialist, and Engineer <a href="http://www.ifps.org/Certification/index.htm">http://www.ifps.org/Certification/index.htm</a>	Fluid Power Society
	Association of Energy Engineers Programs	Certified Cogeneration Professional (CCP) Certified Demand-Side Management Professional (CDSM) Certified Energy Manager (CEM) Certified Energy Procurer (CEP) Certified Indoor Air Quality Professional (CIAQP) Certified Lighting Efficiency Professional	Certification in specialized areas of the energy, power, green facilities, industry. AEE's certification programs are recognized by such government agencies as the U.S. Department of Energy and the U.S. Agency for International Development, as well as by Fortune 1000 corporations, utilities and energy service companies. <a href="http://www.aeecenter.org/certification/">http://www.aeecenter.org/certification/</a>	Association of Energy Engineers (AEE)
	ASPRS Certification Programs	Certified Photogrammetrist ; Certified Mapping Scientist, Remote Sensing; Certified Mapping Scientist, GIS/LIS; Certified Photogrammetric Technologist; Certified Remote Sensing Technologist; Certified GIS/LIS Technologist	ASPRS certification is official recognition by one's colleagues and peers that an individual has demonstrated professional integrity and competence in their field. As such, the ASPRS voluntary certification program is considered "specialty certification." <a href="http://www.asprs.org/">http://www.asprs.org/</a>	American Society for Photogrammetry and Remote Sensing (ASPRS)

	Project Lead-the-Way certification and College Credit	Project Lead-the-Way certification and College Credit	Contact Iowa State University Affiliate Director Camille Schroeder to receive assistance with the certification planning process and to request a certification visit (camilles@iastate.edu or 515-294-9965). Review and complete national PLTW self-assessment planning materials located at <a href="http://www.pltw.org/hscertprog.shtml">www.pltw.org/hscertprog.shtml</a> . High School Certification visits have a \$200 per visit charge, payable to Iowa PLTW. Middle School recognition process involves online reporting and direct review by national PLTW staff, with a \$150 per school fee charged. <a href="http://www.pltwiowa.org/certification.php">http://www.pltwiowa.org/certification.php</a>	Project Lead the Way
	Electronics Technician Association Programs	Student Electronics Technician (SET), Associate Certified Electronics Technician (CETa)	Professionally recognized certification in the area of electronics equipment service and support. <a href="http://www.eta-i.org/CertsGroups.html">http://www.eta-i.org/CertsGroups.html</a>	Electronics Technicians Association, International
15.0702	ASQ Certification Programs	Certified Mechanical Inspector (CMI); Certified Quality Auditor (CQA) Certified Quality Engineer (CQE) Certified Quality Manager (CQM) Certified Quality Technician (CQT) Certified Reliability Engineer (CRE) Certified Software Quality Engineer (CSQE)	ASQ certifications demonstrate a master of quality principles applicable to education that differentiate individuals from their peers, improve marketability, and provide greater career options. ASQ offers 14 industry quality certifications. <a href="http://www.asq.org/education/training/certification.html">http://www.asq.org/education/training/certification.html</a>	American Society for Quality Control (ASQC) Now the American Society for Quality (ASQ)