

INDUSTRY-RECOGNIZED CERTIFICATIONS FOR CAREER AND TECHNICAL EDUCATION PROGRAMS

Cluster: Manufacturing

CIP Code	Program Title	Value Added	Certification Description	Issuing Organization
15.1303 48.0101 48.0102 48.0103	Autodesk Academic Certification for AutoCAD®, 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
15.0303	Electrical, Electronic & Communications Engineering Technology/Technician	Student Electronics Technician (SET), Associate Certified Electronics Technician (CETa)	Professionally recognized certification in the area of electronics equipment service and support. http://www.eta-i.org/CertsGroups.html	Electronics Technicians Association, International
47.0199	Electrical/Electronics Maintenance & Repair Technology, Other* Certified Electronics Technician (CET) Program	Certified Electronics Technician (CET)	The Certified Electronics Technician (CET) Program, founded in 1965, is designed to measure the degree of theoretical knowledge and technical proficiency of practicing technicians. The voluntary certification concept enables employers to separate knowledgeable job applicants from those with less training and skills. http://www.iscet.org/	International Society of Certified Electronics Technicians (ISCET)
15.0303	Certification program for telecommunications engineers and technicians	Certifications in Telecommunications, Unlicensed Wireless Systems Installation, Electromagnetic compatibility, and Electrostatic discharge Control	The International Association for Radio, Telecommunications and Electromagnetics, Inc. offers comprehensive certification program for telecommunications engineers and technicians in four areas: Telecommunications, Unlicensed Wireless Systems Installation, Electromagnetic compatibility, and Electrostatic discharge Control. http://www.narte.org/h/aboutnarte.asp#programs	International Association for Radio, Telecommunications and Electromagnetics
15.0613	Certified Production Technician Program	Certified Production Technician	The MSSC System awards a "Certified Production Technician (CPT)" credential to individuals who pass all four Production modules: Safety; Quality Practices & Measurement; Manufacturing Processes & Production; and Maintenance Awareness. Applicable to all sectors of manufacturing, the MSSC goal is to credential 40% of the production workforce over the next 10 years—a strategy providing manufacturers with a sufficient pool of skilled production workers well into the future. http://www.msscusa.org/credentialing.html	Manufacturing Skills Standards Council
48.0501	Machine Tool Technology/Machinist	Machining Levels I and II, various certificates	Certification of skills through the earning of NIMS credentials based on satisfactory completion of performance tests and related theory exams. http://www.nims-skills.org/cred/cred.htm	National Institute for Metalworking Skills, Inc.
48.0503	Machine Shop Technology/Assistant	Machining Levels I and II, various certificates	Certification of skills through the earning of NIMS credentials based on satisfactory completion of performance tests and related theory exams. http://www.nims-skills.org/cred/cred.htm	National Institute for Metalworking Skills, Inc.
48.0599	Precision Metal Working, Other	Machining Levels I and II, various certificates	Certification of skills through the earning of NIMS credentials based on satisfactory completion of performance tests and related theory exams. http://www.nims-skills.org/cred/cred.htm	National Institute for Metalworking Skills, Inc.

48.0506	Sheet Metal Technology/ Sheet Metal Working	Precision Sheet Metal Operator – Level I	Comprehensive exam designed to assess a candidate's knowledge of fundamental precision sheet metal operations. Fabrication processes covered in the exam include shearing, sawing, press brake, turret punch press, laser cutting, and mechanical finishing. http://www.fmanet.org/training/certification-exam.cfm	Fabricators & Manufacturers Association, International
48.0507	Tool & Die Technology/Technician	Machining Levels I and II, various certificates	Certification of skills through the earning of NIMS credentials based on satisfactory completion of performance tests and related theory exams. http://www.nims-skills.org/cred/cred.htm	National Institute for Metalworking Skills, Inc.
48.0508	Welding Technology/Welder	Level I – Entry Welder, Level II – Advanced Welder	Performance-based certification. http://www.aws.org/certification/	American Welding Society
48.0703	Cabinetmaker and Millworker	NCCER Cabinetmaker and Millworker	NCCER develops and publishes the Contren® Learning Series which consists of cabinetmaking and millworker curricula, safety programs; management education, and skills assessments. http://www.nccer.org/credentialsOverview.aspx	National Center for Construction Education and Research (NCCER)