Credit for Prior Learning: Manufacturing - Industrial

Industry Certification:	Issuing Industry/Organization:	Credit Hours:	Curriculum Course #:	Course Title:	Additional Requirements:
AWS Certified Welder Program SMAW Plate	**American Welding Society (AWS)** www.aws.org	5 SHC	WLD 115	SMAW (Stick) Plate	
AWS Certified Welder Program GMAW Plate	**American Welding Society (AWS)** www.aws.org	4 SHC	WLD 121	GMAW (MIG) FCAW/Plate	
AWS Certified Welder Program GTAW Plate	**American Welding Society (AWS)** www.aws.org	4 SHC	WLD 131	GTAW (TIG) Plate	
NCCER Welding Level 1	**National Center for Construction Education and Research** (**NCCER**) https://qualifications.pearson.com/en/qualifications/nccer/welding.html	2 SHC 2 SHC 5 SHC	WLD 110 and WLD 111 and WLD 115	Cutting Processes Oxy-Fuel Welding SMAW (Stick) Plate	Curriculum correlates to the AWS SENSE (Schools Excelling through national Skills Education) standards and guidelines for Entry Welder

Industry Certification:	Issuing Industry/Organization:	Credit Hours:	Curriculum Course #:	Course Title:	Additional Requirements:
NCCER Welding Level 2	**National Center for Construction Education and Research** (**NCCER**) https://qualifications.pearson.com/en/qualifications/nccer/welding.html	4 SHC 4 SHC	WLD 121 and WLD 131	GMAW (MIG) FCAW/Plate GTAW (TIG) Plate	Curriculum correlates to the AWS SENSE (Schools Excelling through national Skills Education) standards and guidelines for Entry Welder
AWS SENSE Welding I (Entry Level Welder Certificate	**American Welding Society (AWS) Schools Excelling through National School Standards Education (SENSE)** https://www.aws.org/education/sense/	2 SHC 2 SHC 5 SHC 4 SHC SHC	WLD 110 and WLD 111 and WLD 115 and WLD 121 and WLD 131	Cutting Processes Oxy-Fuel Welding SMAW (Stick) Plate GMAW (MIG) FCAW/Plate GTAW (TIG) Plate	NCCER Level I & II
NIMS CNC Turning	**National Institute for Metalworking Skills (NIMS)** www.nims-skills.org	4 SHC	AC 180	CNC Turn: Prog Set & Oper	
NIMS CNC Milling	**National Institute for Metalworking Skills (NIMS)** www.nims-skills.org	4 SHC	MAC 181	CNC Mill: Prog Set & Oper	

Industry Certification:	Issuing Industry/Organization:	Credit Hours:	Curriculum Course #:	Course Title:	Additional Requirements:
OSHA-30 Certification General Industry	**USDOL Occupational Safety and Health Administration** https://www.osha.gov/	1 SHC 2 SHC	ISC 110 or ISC 112	Workplace Safety Industrial Safety	
OSHA-10 Certification General Industry	**USDOL Occupational Safety and Health Administration** https://www.osha.gov/	1 SHC	ISC 110	Workplace Safety	
Certified Production Technician	**Manufacturing Skills Standards Council MSSC** https://www.msscusa.org/	1 SHC 2 SHC	ISC 110 or ISC 112	Workplace Safety	
Industrial Maintenance Mechanic Levels 1-3	**National Center for Construction Education & Research (NCCER)** www.nccer.org	2 SHC 2 SHC	MNT 110 and MNT 220 and MNT 230	Intro to Maint Procedures Maintenance Practices Mechanical Industrial Systems Rigging and Moving Industrial Sys Schematics Pumps & Piping Systems	

Industry Certification:	Issuing Industry/Organization:	Credit Hours:	Curriculum Course #:	Course Title:	Additional Requirements:
Certified Logistics Technician (includes Certified Logistics Associate and Certified Logistics Technician – CLA, CLT)	**Manufacturing Skills Standards Council MSSC** https://www.msscusa.org/	3 SHC	LOG 110	Introduction to Logistics	
Certified in Production and Inventory Management APICS CPIM	**American Production and Inventory Control Society APICS** https://www.ascm.org/learning-development/certifications-credentials/cpim/	3 SHC	LOG 110	Introduction to Logistics	
Employment Ready: Air Conditioning Certificate AND Employment Ready: Basic Refrigeration and Charging Procedures Certificate	**The ESCO Group** https://escogroup.org/	5 SHC	AHR 110	Intro to Refrigeration	Both certifications must be complete for credit
Section 608 EPA Certification Program	**The ESCO Group** https://escogroup.org/	1 SHC	AHR 160	Refrigerant Certification	
CFC/EPA Certification Section 608	**NC State Board of Refrigeration Examiners** http://refrigerationboard.org/cfc/index.html	1 SHC	AHR 160	Refrigerant Certification	

Industry Certification:	Issuing Industry/Organization:	Credit Hours:	Curriculum Course #:	Course Title:	Additional Requirements:
Industrial Maintenance Mechanic CMRP	**Society for Maintenance & Reliability Professionals - SMRP**	2 SHC	MNT 110	Intro to Maint Procedures	
Mechatronics - Industrial Electricity 1	**Packaging Machinery Manufacturers Institute – PMMI** PMMI https://www.pmmi.org/	3 SHC	ELC 117	Motors and Controls	
Mechatronics - Programmable Logic Controllers (PLCs) 1	**Packaging Machinery Manufacturers Institute – PMMI** https://www.pmmi.org/	3 SHC 4 SHC	ELC 128 or ELN 260	Intro to PLC Prog Logic Controllers	
NABCEP PV Installation Professional Certification	**North American Board of Certified Energy Practitioners** (Requires decision-making role experience in PV installations. Requires OSHA 10.) http://www.nabcep.org/wp-content/uploads/2018/02/NABCEP-Certification-Handbook-V2018.compressed.pdf#page=14	3 SHC 3 SHC	ELC 220 and ELC 221	Photovoltaic Sys Tech Adv PV Sys Designs	
NABCEP PV Installer Specialist Certification	**North American Board of Certified Energy Practitioners** (Requires decision-making role experience in PV installations. Requires OSHA 10.) http://www.nabcep.org/wp-content/uploads/2018/02/NABCEP-Certification-Handbook-	3 SHC	ELC 220	Photovoltaic Sys Tech	

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Industry Certification:	Issuing Industry/Organization:	Credit Hours:	Curriculum Course #:	Course Title:	Additional Requirements:
Certified Electronics Technician - Associate	**Electronics Technician Association** https://www.eta-i.org/comps/CETa_comps.pdf	5 SHC 4 SHC	ELC 112 and ELN 133	DC/AC Electricity Digital Electronics	
Certified Quality Technician - CQT	**America Society for Quality** https://asq.org/cert	2 SHC	BPR 111	Print Reading	
Certified Quality Improvement Associate - CQIA	**America Society for Quality** https://asq.org/cert	3 SHC	ISC 132	Mfg Quality Control	
Certified Six Sigma Black Belt	**America Society for Quality** https://asq.org/cert	3 SHC	ISC 132	Manufacturing Quality Control	
Certified Six Sigma Green Belt	**America Society for Quality** https://asq.org/cert	3 SHC	ISC 132	Manufacturing Quality Control	
Hydraulic Specialist Certification	**International Fluid Power Society** https://www.ifps.org/certifications-offered	3 SHC	HYD 110	Hydraulics/ Pneumatics I	

Industry Certification:	Issuing Industry/Organization:	Credit Hours:	Curriculum Course #:	Course Title:	Additional Requirements:
Electronic Controls Specialist Certification	**International Fluid Power Society** https://www.ifps.org/certifications-offered	3 SHC 3 SHC 3 SHC	HYD 110 and ELC 128 and ELC 131	Hydraulics/ Pneumatics I Intro to PLC Circuit Analysis I	
Autodesk	**Autodesk Certified Professional Inventor** https://www.autodesk.com/	3 SHC 3 SHC	DFT 119 and/or DFT 170	Basic CAD Engineering Graphics	
Autodesk	**Autodesk Certified Professional Revit** https://www.autodesk.com/	2 SHC	DFT 119	Basic CAD	
Autodesk	**Autodesk Certified User AutoCAD** https://www.autodesk.com/	2 SHC	DFT 119	Basic CAD	
Autodesk	**Autodesk Certified User Inventor** https://www.autodesk.com/	2 SHC	DFT 119 and/or DFT 170	Basic CAD Engineering Graphics	

Industry Certification:	Issuing Industry/Organization:	Credit Hours:	Curriculum Course #:	Course Title:	Additional Requirements:
SolidWorks	**Certified SolidWorks Associate (CSWA)** https://www.solidworks.com/	2 SHC	DFT 119	Basic CAD	
SolidWorks	**Certified SolidWorks Professional (CSWP)** https://www.solidworks.com/	2 SHC	DFT 119	Basic CAD	
Autodesk	**Autodesk Certified User Revit** https://www.autodesk.com/	2 SHC 3 SHC	DFT 119 and/or DFT 170	Basic CAD Engineering Graphics	