



# MANUFACTURING INSTITUTE

## Credit Recommendation Guide

The following courses have been evaluated by Corporate Articulation to potentially fulfill General Education or Elective credits for an Undergraduate Degree. In order to receive any of the credits recommended below, students should submit supporting documents to Prior Learning Assessment. For more information on PLA visit: [ecampus.phoenix.edu/pla](http://ecampus.phoenix.edu/pla) or contact the department toll free at 866-440-4707.

There are fees associated with your PLA submission. However, you may be eligible for PLA benefits. Please contact your Finance Advisor for more information. PLA will not award credit for certifications or coursework that duplicates the content of credits earned through PLA, transfer credit, National Testing Program credit or University of Phoenix. Clock hour to semester credit hour conversions are made by the University using current U.S. Department of Education standards.

**University of Phoenix Equivalency:** General Education or Elective category to which credit can be applied.

**Combinable:** Courses may only be combined with courses of similar content and General Education/Elective areas.

**Non-Academic:** Lack of college level theory and/or principle necessary for credit recognition. Company specific and skill-based training.

**Too Few Hours:** Courses/training that cannot receive credit because they are less than 1 hour total in length. Similar content in a 1(+) hour timeframe may be eligible for credit.

**Applicable Hours:** Indicates the total amount of actual learning time. Any breaks or lunch time included in the initial clock hours have been removed.

Updated: 09/30/2019

\*Coursework is pre-evaluated and listed on the Pre-evaluated Prior Learning List. Credit recommendations are subject to changes made to the Pre-evaluated Prior Learning List. Please see the Pre-evaluated Prior Learning List for additional guidelines and requirements when submitting the certifications listed below.

Course Number	Course Title	Delivery Method	Course Year	Course Length	Applicable Hours	Credits Recommended	University of Phoenix Equivalency
---------------	--------------	-----------------	-------------	---------------	------------------	---------------------	-----------------------------------

### National Institute of Metalworking Skills (NIMS)

Machining Level I	
	Measurement, Materials And Safety
	Job Planning, Benchwork, And Layout
	Manual Milling
	Manual Turning Between Centers
	Manual Turning With Chucking
	Manual Surface Grinding
	Manual Drill Press Operations
	CNC Turning: Programming Setup & Operations

\*Please see the Pre-evaluated Prior Learning List for Machining Level I Certification Credit Recommendation.

Course Number	Course Title	Delivery Method	Course Year	Course Length	Applicable Hours	Credits Recommended	University of Phoenix Equivalency
	CNC Milling: Programming Setup & Operations						
	CNC Turning: Operator						
	CNC Milling: Operator						
<b>Machining Level II</b>							
	Manual Milling						*Please see the Pre-evaluated Prior Learning List for Machining Level II Certification Credit Recommendation.
	Manual Turning						
	Manual Drill Press Operations						
	Manual Surface Grinding						
	CNC Milling						*Please see the Pre-evaluated Prior Learning List for Machining Level II Certification Credit Recommendation.
	CNC Turning						
	EDM-Wire						
	EDM-Plunge						
<b>Machining Level III</b>							
	CNC Turning						*Please see the Pre-evaluated Prior Learning List for Machining Level III Certification Credit Recommendation.
	CNC Milling						
<b>Metalforming Level I</b>							*Please see the Pre-evaluated Prior Learning List for Metalforming Level I Certification Credit Recommendation.
<b>Stamping Level II</b>							
	Operate With Single Hit Tooling						
	Operate With Compound Dies						*Please see the Pre-evaluated Prior Learning List for Stamping Level II Certification Credit Recommendation.
	Operate With Progressive Dies						
	Operate With Deep Draw Dies						
	Operate With Transfer Dies						
<b>Stamping Level III</b>							
	Parts Inspection And Quality Control						
	Set-Up Single Hit Tooling						
	Set-Up With Compound Dies						*Please see the Pre-evaluated Prior Learning List for Stamping Level III Certification Credit Recommendation.
	Set-Up With Progressive Dies						
	Set-Up With Deep Draw Dies						
	Set-Up With Transfer Dies						
<b>Press Brake Level II</b>							*Please see the Pre-evaluated Prior Learning List for Press Brake Level II Certification Credit Recommendation.

Course Number	Course Title	Delivery Method	Course Year	Course Length	Applicable Hours	Credits Recommended	University of Phoenix Equivalency
	Operate Non-CNC Mechanical Operate CNC Drive						Please see the Pre-evaluated Prior Learning List for Press Brake Level II Certification Credit Recommendation.
<b>Press Brake Level III</b>							
	Set Up And Operate Non-CNC Mechanical						*Please see the Pre-evaluated Prior Learning List for Press Brake Level III Certification Credit Recommendation.
	Set Up And Operate CNC Drive						
<b>Slide Forming Level II</b>							
	Slide Forming Operations						*Please see the Pre-evaluated Prior Learning List for Slide Forming Level II Certification Credit Recommendation.
<b>Slide Forming Level III</b>							
	Slide Forming Set Up And Operations						*Please see the Pre-evaluated Prior Learning List for Slide Forming Level III Certification Credit Recommendation.
<b>Screw Machining Level II</b>							
	Operate With Single Spindles						*Please see the Pre-evaluated Prior Learning List for Screw Machining Level II Certification Credit Recommendation.
	Operate With Multiple Spindles						
<b>Screw Machining Level III</b>							
	Set Up And Operate With Single Spindles						*Please see the Pre-evaluated Prior Learning List for Screw Machining Level III Certification Credit Recommendation.
	Set Up And Operate With Multiple Spindles						
<b>Machine Building Level II</b>							
	Machine Building Level II Mechanical Assembly						*Please see the Pre-evaluated Prior Learning List for Machine Building Level II Certification Credit Recommendation.
<b>Machine Building Level III</b>							
	Machine Building Level III Mechanical Assembly						*Please see the Pre-evaluated Prior Learning List for Machine Building Level III Certification Credit Recommendation.
<b>Machine Maintenance, Service And Repair Level II</b>							
	Preventative Maintenance						*Please see the Pre-evaluated Prior Learning List for Machine Maintenance, Service and Repair Level II Certification Credit Recommendation.
<b>Machine Maintenance, Service And Repair Level III</b>							
	Machine Service And Repair						*Please see the Pre-evaluated Prior Learning List for Machine Maintenance, Service and Repair Level III Certification Credit Recommendation.
	Machine Repair/Rebuilding						
	<b>Diemaking Level II</b>						*Please see the Pre-evaluated Prior Learning List for Diemaking Level II Certification Credit Recommendation.
	<b>Diemaking Level III</b>						*Please see the Pre-evaluated Prior Learning List for Diemaking Level III Certification Credit Recommendation.
	<b>OJT Trainer</b>						*Please see the Pre-evaluated Prior Learning List for OJT Trainer Certification Credit Recommendation.
	<b>OJT Senior Trainer</b>						*Please see the Pre-evaluated Prior Learning List for OJT Senior Trainer Certification Credit Recommendation.
	<b>OJT Training Coordinator</b>						*Please see the Pre-evaluated Prior Learning List for OJT Training Coordinator Certification Credit Recommendation.

Course Number	Course Title	Delivery Method	Course Year	Course Length	Applicable Hours	Credits Recommended	University of Phoenix Equivalency
<b>Certified Manufacturing Engineer (CMFGE)</b>		*Please see the Pre-evaluated Prior Learning List for Certified Manufacturing Engineer Certification Credit Recommendation.					
	Mathematics, Applied & Engineering Sciences, & Materials Application						
	Product/Process Design Development						
	Manufacturing Process Applications & Operations						
	Production System And Equipment Design Development						
	Automated Systems And Control						
	Quality And Customer Service						
	Manufacturing Management						
	Personal Effectiveness						
<b>Certified Manufacturing Technologist (CMFGT)</b>		*Please see the Pre-evaluated Prior Learning List for Certified Manufacturing Technologist Certification Credit Recommendation.					
	Mathematics, Applied& Engineering Sciences, & Materials Application						
	Product/Process Design Development						
	Manufacturing Process Applications & Operations						
	Production System And Equipment Design Development						
	Automated Systems And Control						
	Quality And Customer Service						
	Manufacturing Management						
	Personal Effectiveness						
<b>Bronze Level</b>		*Please see the Pre-evaluated Prior Learning List for Lean Certification Bronze Level Credit Recommendation.					
	Cultural Enablers - Bronze						
	Continuous Process Improvement - Bronze						
	Consistent Lean Enterprise Culture - Bronze						
	Business Results - Bronze	*Please see the Pre-evaluated Prior Learning List for Lean Certification Bronze Level Credit Recommendation.					
<b>Silver Level</b>		*Please see the Pre-evaluated Prior Learning List for Lean Certification Silver Level Credit Recommendation.					
	Cultural Enablers - Silver						
	Continuous Process Improvement - Silver						
	Consistent Lean Enterprise Culture - Silver						
	Business Results - Silver						
<b>Gold Level</b>		*Please see the Pre-evaluated Prior Learning List for Lean Certification Gold Level Credit Recommendation.					
	Cultural Enablers						

Course Number	Course Title	Delivery Method	Course Year	Course Length	Applicable Hours	Credits Recommended	University of Phoenix Equivalency
	Continuous Process Improvement	*Please see the Pre-evaluated Prior Learning List for Lean Certification Gold Level Credit Recommendation.					
	Consistent Lean Enterprise Culture						
	Business Results						

**American Welding Society (AWS)**

	Certified Welding Inspector (CWI)	*Please see the Pre-evaluated Prior Learning List for Credit Recommendation.
	Certified Associate Welding Inspector (CAWI)	*Please see the Pre-evaluated Prior Learning List for Credit Recommendation.
	Senior Certified Welding Inspector (SCWI)	*Please see the Pre-evaluated Prior Learning List for Credit Recommendation.
	AWS D1.1 Codebook	*Please see the Pre-evaluated Prior Learning List for Credit Recommendation.
	AWS D1.5 Codebook	*Please see the Pre-evaluated Prior Learning List for Credit Recommendation.
	AWS D15.1 Codebook	*Please see the Pre-evaluated Prior Learning List for Credit Recommendation.
	B31.1 Codebook	*Please see the Pre-evaluated Prior Learning List for Credit Recommendation.
	B31.3 Codebook	*Please see the Pre-evaluated Prior Learning List for Credit Recommendation.
	API 1104 Codebook	*Please see the Pre-evaluated Prior Learning List for Credit Recommendation.
	ASME Section IX	*Please see the Pre-evaluated Prior Learning List for Credit Recommendation.
	AWS Certified Radiographic Interpreter (CRI)	*Please see the Pre-evaluated Prior Learning List for Credit Recommendation.
	ASNT VT, Level 2	*Please see the Pre-evaluated Prior Learning List for Credit Recommendation.
	Reciprocity-Certification Scheme For Welding And Inspection Personnel (CSWIP)	*Please see the Pre-evaluated Prior Learning List for Credit Recommendation.
	Certified Welding Educator (CWE)	*Please see the Pre-evaluated Prior Learning List for Credit Recommendation.
	Certified Radiographic Interpreter (CRI)	*Please see the Pre-evaluated Prior Learning List for Credit Recommendation.
	Certified Welder	*Please see the Pre-evaluated Prior Learning List for Credit Recommendation.
	Certified Welding Supervisor	*Please see the Pre-evaluated Prior Learning List for Credit Recommendation.
	Certified Welding Sales Representative	*Please see the Pre-evaluated Prior Learning List for Credit Recommendation.
	Certified Welding Engineer	*Please see the Pre-evaluated Prior Learning List for Credit Recommendation.
	Certified Robotic Arc Welding	*Please see the Pre-evaluated Prior Learning List for Credit Recommendation.
	Advanced Visual Inspection Workshop	*Please see the Pre-evaluated Prior Learning List for Credit Recommendation.