

Advanced Manufacturing Technician (AMT) Curriculum
Northwestern State University
Northwest Louisiana Technical College/Central Louisiana Technical Community College

4/13/2017

First Year					
Fall Semester			Spring Semester		
Course		Credits	Course		Credits
IET 1020	Engineering Tools and Dimensional Analysis	3	IET 2400	Technical Draftin II	3
IET 1400	Technical Drafting I	3	IET 1320/1321	Electrical Pinciples/Lab	4
IET 1300/1301	Electrical Principles/Lab	4	MATH 1090	Trigonometry	3
UNIV 1000	The University Experience	1	ENGL 1010	Composition and Rhetoric (on-line course)	3
MATH 1020	College Algebra	3	ADMT 1110	Workplace Organization (5S)	1
ADMT 1100	Safety Culture	1	ADMT 1115	Fluid Power	3
Total		15	Total		17
Summer Session					
Session I & II					
Course		Credits			
EET1330/1331	Digital Electronics/Lab	4			
ENGL 1020	Composition & Rhetoric (on-line course)	3			
ADMT 1120	Introduction to Electric Motor Controls	3			
ADMT 1200	Lean Manufacturing	1			
Total		11			
Second Year					
Fall Semester			Spring Semester		
Course		Credits	Course		Credits
IET 2920	Special Problems (Problem Solving I)	2	EET 3320	Electric Motor Controls	3
EET 2320/2321	Basic Electronics/Lab	4	SCI 1020	Basic Concepts of Biological Science I	3
FA 1040	Fine Arts	3	PSYC 1010	General Psychology	3
SCI 1010	Basic Concepts of Physical Science I	3	ADMT 1230	Integrated Control Systems	3
ADMT 1210	Programmable Logic Controllers	3	ADMT 1250	Maintenance Reliability	1
Total		15	Total		13
Summer Session					
Session I & II					
Course		Credits			
COMM 1010	Fundamentals of Speech	3			
IET 2020	Metal Maching I	3			
ADMT 1125	Welding for Maintenance	3			
ADMT 1240	Problem Solving II	1			
Total		10			

Course noted with ADMT are provided through the Northwest Louisiana Technical College/Central Louisiana Technical Community College. All other course content is provided through Northwestern State University (NSU). Enrollment for all courses in the Advanced Manufacturing Technician (AMT) program curriculum is with NSU.