

**Advanced Manufacturing Technician (AMT) Curriculum**  
**Northwestern State University**  
**Northwest Louisiana Technical College / Central Louisiana Technical Community College**  
 April 13, 2017

First Year					
Fall Semester			Spring Semester		
Course		Credits	Course		Credits
IET 1020	Engineering Tools and Dimensional Analysis	3	IET 2400	Technical Drafting II	3
IET 1400	Technical Drafting I	3	EET 1320/1321	Electrical Principles II / Lab	4
EET 1300/1301	Electrical Principles I / Lab	4	MATH 1090	Trigonometry	3
UNIV 1000	The University Experience	1	COMM 1010	Fundamentals of Speech	3
ENGL 1010	Composition and Rhetoric I (on-line course)	3	ADMT 1110	Workplace Organization (5S)	1
MATH 1020	College Algebra	3	ADMT 1115	Fluid Power	3
ADMT 1100	Safety Culture	1			
<b>Total</b>		<b>18</b>	<b>Total</b>		<b>17</b>
Summer Session					
Session I & II					
Course		Credits			
EET 1330/1331	Digital Electronics I / Lab	4			
ENGL 1020	Composition and Rhetoric II (on-line course)	3			
ADMT 1120	Introduction to Electric Motor Controls	3			
ADMT 1125	Welding for Maintenance	3			
ADMT 1200	Lean Manufacturing	1			
<b>Total</b>		<b>14</b>			
Second Year					
Fall Semester			Spring Semester		
Course		Credits	Course		Credits
IET 2920	Special Problems (Problem Solving I)	2	IET 2020	Metal Machining I	3
EET 2320/2321	Basic Electronics / Lab	4	EET 3320	Electric Motor Controls	3
FA 1040	Fine Arts	3	SCI 1020	Basic Concepts of Biological Science I	3
SCI 1010	Basic Concepts of Physical Science I	3	PSYC 1010	General Psychology	3
ADMT 1210	Programmable Logic Controllers	3	ADMT 1230	Integrated Control Systems	3
			ADMT 1240	Problem Solving II	1
			ADMT 1250	Maintenance Reliability	1
<b>Total</b>		<b>15</b>	<b>Total</b>		<b>17</b>

*Courses 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.*