

Northwestern State University  
 Department of Engineering Technology  
 Associate of Science in Engineering Technology (Advanced Manufacturing Concentration-140C)  
 Academic Calendar: 2024-2025

**First Year**

Fall Semester			Spring Semester		
Course	Credits	Credits	Course	Credits	Credits
EET 1350	Electrical Circuits (AC/DC)	3	EET 1370	Basic Analog and Digital Electronics	3
IET 1400	Technical Drafting I	3	IET 1520	Welding Technology	3
IET 1800	Occupational Safety	3	IET 2920	Special Problems (Problem Solving I) (5S and Lean Principles)	1
MATH	Technical Mathematics I (Algebra)	3	MATH 1830	Technical Mathematics II (Trigonometry)	3
ENGL 1010	Composition and Rhetoric (on-line)	3	ENGL 1020	Composition and Rhetoric (on-line)	3
UNIV 1000	The University Experience	1	COMM	Fundamental of Speech	3
<b>Total</b>		<b>16</b>	<b>Total</b>		<b>16</b>

**Summer Session**

Session I & II		
Course	Credits	Credits
IET 2700	Internship (3-0-18) Needs training through Career resource Center as well	3
<b>Total</b>		<b>3</b>

**Second Year**

Fall Semester			Spring Semester		
Course	Credits	Credits	Course	Credits	Credits
EET 2330	Electric Motor Controls	3	EET 2210	Programmable Logic Controllers	3
EET 2331	Electric Motor Controls Lab	1	EET 2211	Programmable Logic Controllers Lab	1
IET 2920	Special Problems (Problem Solving I) (Introduction to Engineering Problem Solving and Reliability)	1	IET 2020	Metal Machining	3
IET 3150	Fluid Power	3	IET 2920	Special Problems (Problem Solving I) (Presentation of solution to the Problem Solving Project)	1
IET 2700	Internship (1 to 2 credit hours)	1	IET 2700	Internship (1 to 2 credit hours)	2
FA 1040	Fine Arts	3	PSYC 1010	General Psychology	3
SCI 1010	Basic Concepts of Physical Science I	3	SCI 1020	Basic Concepts of Biological Science I	3
<b>Total</b>		<b>15</b>	<b>Total</b>		<b>16</b>

Total credits for the degree: **66**