Associate of Applied Science
Advanced Manufacturing & Integration

TO BE ELIGIBLE FOR GRADUATION, A STUDENT MUST COMPLETE ALL COURSES LISTED BELOW WITH A PASSING GRADE OF "D" OR BETTER AND MAINTAIN A CUMULATIVE GPA OF AT LEAST 2.0

Revised 11/2024

STUDENT NAME: _____

STUDENT ID #: _____ **DATE ENROLLED:** _____

				CREDITS	SEMESTER TAKEN	GRADE
GENERAL EDUCATION COURSES						
English Composition						
ENGL	1510	English Composition I		3		
Speech						
SPCH	1510	Speech		3		
Mathematics						
MATH	2130	College Algebra		4		
Natural Science						
CHEM	1210	Principles of Chemistry I		3		
CHEM	121L	Principles of Chemistry I Lab		1		
Arts and Humanities						
PHIL	1300	Introduction to Ethics		3		
Social/Behavioral Science						
ECON	2130	Principles of Microeconomics		3		
APPLIED GENERAL EDUCATION COURSES						
CYBS	1010	Introduction to Cyber Security		3		
INDT	1100	Introduction to Maintenance		3		
INDT	1220	OSHA Safety		2		
INDT	1340	Introduction to Manufacturing		3		
AMIT MAJOR COURSES						
AMIT	1170	Computer Numerical Control		3		
AMIT	1510	Non-Collaborative Robot Operator		2		
AMIT	1800	Collaborative Robot Operator		2		
AMIT	2170	Computer Aided Manufacturing		3		
AMIT	2510	Robot Technician		2		
AMIT	2530	Solid Modeling with Additive Manufacturing		3		
AMIT	2600	Integration & Cell Design		3		
AMIT	1000	Internship	**OR**	1		
AMIT	2800	AMIT Capstone				
ELET	1340	Embedded Systems		3		
ELET	2410	Programmable Logic Controllers		3		
INDT	1330	Industrial Electricity		2		
INDT	2180	Manufacturing Processes & Production		3		
WELD	1232	Industrial Welding		3		
		Total Credit Hours		64		

Evening courses may be required to complete this program.
All substitutions must be approved on the Course Substitution Sheet.

SUBJECT TO CHANGE WITHOUT NOTICE

ADVANCED MANUFACTURING & INTEGRATION

SEMESTER I

First 8 Weeks			
AMIT	1510	Non-Collaborative Robot Operator	2
AMIT	2530	Solid Modeling with Additive Manufacturing	3
INDT	1220	OSHA Safety	2
Second 8 Weeks			
AMIT	1170	Computer Numerical Control	3
INDT	1340	Introduction to Manufacturing	3
MATH	2130	College Algebra	4
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SEMESTER II

First 8 Weeks			
AMIT	1800	Collaborative Robot Operator	2
ENGL	1510	English Composition I	3
INDT	2180	Manufacturing Processes & Production	3
Second 8 Weeks			
AMIT	2170	Computer Aided Manufacturing	3
INDT	1100	Introduction to Maintenance	3
INDT	1330	Industrial Electricity	2
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SEMESTER III

First 8 Weeks			
CYBS	1010	Introduction to Cyber Security	3
ELET	2410	Programmable Logic Controllers	3
SPCH	1510	Speech	3
Second 8 Weeks			
AMIT	2510	Robot Technician	2
PHIL	1300	Introduction to Ethics	3
WELD	1232	Industrial Welding	3
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SEMESTER IV

AMIT	1000	Internship	OR	1
AMIT	2800	AMIT Capstone		
CHEM	1210	Principles of Chemistry I		3
CHEM	121L	Principles of Chemistry I Lab		1
First 8 Weeks				
ECON	2130	Principles of Microeconomics		3
ELET	1340	Embedded Systems		3
Second 8 Weeks				
AMIT	2600	Integration & Cell Design		3
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