



# PATHWAYS

Your Guide to Completion



## FAME-ADVANCED MANUFACTURING Associate in Applied Science (AAS)

Semester #	Course #	Course Name	Semester Hours
Semester 1	ORT 100	Orientation for Career Success	1
	INT 140	MCE-1 Safety Culture (Project)	1
	INT 101	DC Fundamentals	3
	INT 129	Industrial Safety and Maintenance Techniques (OSHA 10)	3
	INT 119	Principles of Mechanical Measurement and Technical Drawing (Covers blueprint reading)	3
	ENG 101	English Composition I	3
			<b>Semester Total: 14</b>
Semester 2	INT 142	MCE-2 (5s) - (Project)	1
	INT 103	AC Fundamentals	3
	INT 113	Industrial Motor Control I	3
	INT 117	Principles of Industrial Mechanics	3
	INT 118	Fundamentals of Industrial Hydraulics and Pneumatics	3
			<b>Semester Total: 13</b>
Semester 3	INT 144	MCE-3 (TPS-M) - (Project)	1
	INT 208	Advanced Process Simulation	3
	INT 127	Principles of Industrial Pumps and Piping Systems	3
	INT 213	Industrial Motor Control II	3
	PHS 112	Physical Science II	4
			<b>Semester Total: 14</b>
Semester 4	INT 146	MCE-4 Problem Solving- (Project)	1
	INT 132	Preventative and Predictive Maintenance	3
	ELT 117	AC/DC Machines	3
	INT 184	Introduction to Programmable Logic Controllers	3
	INT 139	Introduction to Robotic Programming	3
	MTH 116 or Higher	Mathematical Applications or Higher	3
			<b>Semester Total: 16</b>
Semester 5	INT 148	MCE-5 Maintenance Reliability- (Project)	1
	WDT 107	SMAW Fillet/OFC/PAC/CAC	3
	INT 253	Industrial Robotics Concepts	3
	INT 284	Advanced Programmable Logic Controllers	3
	AREA IV	History, Social and Behavioral Sciences Elective	3
ELIGIBLE FOR:			<b>Semester Total: 13</b>
<ul style="list-style-type: none"> <li>AAS – Advanced Manufacturing</li> </ul>			<b>Program Total: 70</b>

**NOTE:** The Guided Pathway provided above includes all the necessary coursework for degree/certificate fulfillment. However, courses can be offered or taken in alternate semesters, provided that prerequisites are fulfilled. Courses may be scheduled during daytime, evening, hybrid, or online sessions. For specific course requirements, consult the ALABAMA TRANSFERS (STARS) guide or contact the transfer institution.