

## Kyndle FAME Advanced Manufacturing Technician (AMT) Course Schedule

Draft – may change slightly to meet local industry need

<b>Semester 1</b>	<b>Fall Semester Year 1</b>	<b>17 Credits</b>
IMT 110	Industrial Maintenance Electrical Principles	3
IMT 111	Industrial Maintenance Electrical Principles Lab	2
FPX 100	Fluid Power	3
FPX 101	Fluid Power Lab	2
IET 1301	Safety Culture	1
<b>General Education Course</b>	<i>MAT 116 or higher (3)</i>	3
<b>Digital Literacy</b>	<i>CLEP Exam, CIT 105 or test out</i>	0-3

<b>Semester 2</b>	<b>Spring Semester Year 1</b>	<b>16 Credits</b>
IMT 150	Maintaining Industrial Equipment	3
IMT 151	Maintaining Industrial Equipment Lab	2
EET 270	Electrical Motor Controls I	2
EET 271	Electrical Motor Controls I Lab	2
IET 1302	5S	1
<b>General Education Course</b>	<i>ENG 101 must be taken</i>	3
<b>General Education Course</b>	<i>Arts &amp; Humanities Course: History</i>	3

<b>Semester 3</b>	<b>Summer Semester Year 1</b>	<b>9 Credits</b>
EET 272	Electrical Motor Controls II	2
EET 273	Electrical Motor Controls II Lab	2
EET 276	Programmable Logic Controllers I	2
EET 277	Programmable Logic Controllers I Lab	2
IET 1303	Total Production System Management	1

<b>Semester 4</b>	<b>Fall Semester Year 2</b>	<b>15 Credits</b>
CMM 110	Fundamentals of Machine Tool – A or CMM 114 + Lab for 7 credit hours	3
IMT 100	Welding for Maintenance	3
IMT 101	Welding for Maintenance Lab	2
BRX 120	Basic Blueprint Reading	3
IET 1304	Problem Solving	1
<b>General Education Course</b>	<i>Social and Behavioral Science: Physics</i>	3

<b>Semester 5</b>	<b>Spring Semester Year 2</b>	<b>14 Credits</b>
IMT 200	Industrial Robotics and Robotic Maintenance	4
IMT 198	Practicum Troubleshooting	2
IMT 289	Industrial Maintenance Technical Capstone	1
IET 1305	Maintenance Reliability	1
<b>General Education Course</b>	<i>Communication: COM 181, COM 252 or COM 281</i>	3
<b>General Education Course</b>	<i>Social &amp; Behavioral Science: Psychology, Economics</i>	3

### Credentials Earned:

- Associate of Applied Science - Industrial Maintenance Technician, *Advanced Manufacturing Technician (AMT) Track*
- Certificate - Industrial Maintenance Electrical Mechanic
- Certificate - Industrial Maintenance Mechanic Level I
- Certificate - Electrician Trainee Level I
- Certificate - Integrated Manufacturing Technologies