

# ACADEMIC MAP

Advanced Manufacturing Technology, A.A.S.

## Semester 1




COURSE	CR	COMMENTS
COLL 101 ORIENTATION TO COLLEGE	1	
ELEC 101 ELECTRICITY & ELECTRONICS FUND	3	
ELEC 102 ELECTRICAL & INSTRUMENTATION 1	3	
ELEC 104 ELECTRICAL & INSTRUMENTATION 3	3	
MATH 125 TECHNICAL MATHEMATICS	4	
ELEC 103 - (E&I 2)	3	
<b>TOTAL:</b>	<b>17</b>	



The **Associate of Applied Science in Advanced Manufacturing Technology** prepares graduates for careers in the manufacturing sector.

Advanced manufacturing technology graduates repair, troubleshoot and maintain a variety of manufacturing equipment including commercial electrical and mechanical systems. Hands-on courses give our graduates practical experience in automation, instrumentation and process control systems, as well as basic machining skills in order to facilitate working with modern equipment.

## Semester 2

COURSE	CR	COMMENTS
ENGL 107 TECHNICAL WRITING	3	
MTEC 102 INTRODUCTORY CRAFT SKILLS	2	 NCCER Core
ELEC 202 ELECTRICAL & INSTRUMENTATION 4	3	 EI NCCER Level 3
ELEC 203 ELECTRICAL & INSTRUMENTATION 5	3	
ELEC 204 ELECTRICAL & INSTRUMENTATION 6	3	 EI NCCER Level 4
<b>TOTAL:</b>	<b>14</b>	



**MILESTONE COURSE:** These courses are the keys to graduation and certification. Courses should be taken in the recommended semesters to stay on time for completion.

## Semester 3

COURSE	CR	COMMENTS
IM 101 INDUSTRIAL MAINTENANCE 1	3	
IM 102 INDUSTRIAL MAINTENANCE 2	3	 IM NCCER LEVEL 2
IM 103 INDUSTRIAL MAINTENANCE 3	3	
CS 101 INTRO TO PC APPLICATIONS	4	
COMM 111, 112, OR 202	3	
<b>TOTAL:</b>	<b>16</b>	



**CAREER PLANNING:** Multicraft Technician, Electrical and Instrumentation Technician, Pipefitter, Millwright, Industrial Maintenance Technician. Average wage: \$15.74 - \$26.15/hour.



Students should average 15 credit hours per semester, or 30 per year, to graduate on time.

## Semester 4

COURSE	CR	COMMENTS
IM 201 INDUSTRIAL MAINTENANCE 4	3	 IM NCCER LEVEL 3
IDIT 202 ADVANCED INSTRUMENTATION 4	3	
IM 254 CNC MACHINING 1	3	
PHIL 170 INTRODUCTION TO LOGIC	3	
IM 225 ROBOTICS	3	
<b>TOTAL:</b>	<b>15</b>	

**TOTAL DEGREE CREDITS:**

**62**

2019-2020

# General Education Courses



To ensure breadth and depth as students meet these broad education goals, the curriculum focuses on six academic "strands."

Composition & Rhetoric	Science & Technology	Math & Quantitative Skill	Society, Diversity & Connections	Human Inquiry & the Past	The Arts and Creativity
ENGL 101	ASTR 106	MATH 120 *	COMM 105	HIST 101	<b>History &amp; Literature of the Arts</b>
ENGL 102	BIOL 101 & BIOL 103 L	MATH 121	COMM 111	HIST 102	
ENGL 107*	BIOL 102	MATH 125 *	COMM 112	HIST 152	ART 101
ENGL 108*	BIOL 104 L	MATH 126	ECON 201	HIST 153	ART 105
	BIOL 107 *	MATH 128	ECON 202	HIST 250 *	ART 106
	BIOL 108 *	MATH 129	FREN 101	PHIL 111	MUSI 170
	BIOL 109 *	MATH 150	FREN 102	PHIL 150 *	THEA 101
	BIOL 115	MATH 155	GEOG 102	PHIL 170	<b>Literature</b>
	BIOL 117	MATH 156	GEOG 240		ENGL 131
	BIOL 171	MATH 211	POLS 102		ENGL 132
	CHEM 111		POLS 220		ENGL 221
	CHEM 115		PSYC 101		ENGL 222
	CHEM 116		PSYC 241		ENGL 241
	CS 101		RELI 231		ENGL 242
	GEOL 101 & GEOL 102 L		SOC 101		ENGL 261
	GEOL 103 & GEOL 104 L		SOC 105		ENGL 262
	GEOL 105 & GEOL 105 L		SOC 221		ENGL 285
	PSCI 111		SOC 232		<b>Applied Arts</b>
	PSCI 112		SPAN 101		ART 109
	PHYS 101		SPAN 102		THEA 102
	PHYS 102				<b>Creative Writing</b>
	PHYS 111				ENGL 213
	PHYS 112				ENGL 214
					ENGL 215

\* Serves technical and professional degree programs specific to WVU Parkersburg. Does not transfer to WVU as General Education (March 2018).