

ADVANCED MANUFACTURING TECHNOLOGY, A.A.S.

Course	Title	Hours
Semester 1		
COLL 101	ORIENTATION TO COLLEGE ⁷	0
ELEC 101	ELECTRICITY & ELECTRONICS FUND	3
ELEC 102	ELECTRICAL & INSTRUMENTATION 1	3
ELEC 103	ELECTRICAL & INSTRUMENTATION 2	3
ELEC 104	ELECTRICAL & INSTRUMENTATION 3	3
Quantitative Reasoning (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#qr) Elective: (MATH 125 is preferred)		3
Hours		15
Semester 2		
Writing and Rhetoric (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#wr) Elective: (ENGL 107 is preferred)		3
MTEC 102	INTRODUCTORY CRAFT SKILLS ^{1,2}	2
ELEC 202	ELECTRICAL & INSTRUMENTATION 4 ^{1,3}	3
ELEC 203	ELECTRICAL & INSTRUMENTATION 5	3
ELEC 204	ELECTRICAL & INSTRUMENTATION 6 ^{1,4}	3
Hours		14
Semester 3		
IM 101	INDUSTRIAL MAINTENANCE 1	3
IM 102	INDUSTRIAL MAINTENANCE 2 ^{1,5}	3
IM 103	INDUSTRIAL MAINTENANCE 3	3
Scientific Inquiry (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#si) Elective		4
Select one of the following:		3
Aesthetics, Creativity, and Appreciation (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#aca)		
Human Communication and Interaction (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#hci)		
People and Their Worlds (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#ptw)		
Hours		16
Semester 4		
Select one of the following:		3
Aesthetics, Creativity, and Appreciation (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#aca)		
Human Communication and Interaction (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#hci)		
People and Their Worlds (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#ptw)		
IM 225	ROBOTICS 1 ¹	3
IM 201	INDUSTRIAL MAINTENANCE 4 ^{1,6}	3
IDIT 202	ADVANCED INSTRUMENTATION 4	3
IM 254	CNC MACHINING 1	3
Hours		15
Total Hours		60

¹ Milestone Course

² NCCER Core

³ EL NCCER Level 3

⁴ EL NCCER Level 4

⁵ IM NCCER Level 2

⁶ IM NCCER Level 3

⁷ Required 1-credit hour course, but is not counted in the degree total.