

ADVANCED MANUFACTURING TECHNOLOGY, C.A.S.

The **Certificate 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.

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. You will see the milestone course(s) on each academic map for appropriate program(s).

Career Planning

The CAS-Advanced Manufacturing Technology program leads to the Advanced Manufacturing Technology, A.A.S. degree.

When planning your classes with the academic map, students should average 15 credit hours per semester, or 30 per year, to graduate on time.

Total Degree Credits: 30

Course	Title	Hours
Semester 1		
COLL 101	ORIENTATION TO COLLEGE	1
ELEC 110	INTRO TO ELECTRICAL TECHNOLOGY	3
ELEC 111	INTRO INSTRUMEN & PROCESS CNTR	3
Quantitative Reasoning (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#qr) Elective: (MATH 103 is preferred)		3
Hours		10
Semester 2		
Writing and Rhetoric (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#wr) Elective: (ENGL 107 is preferred)		3
IM 126	INTRO TO MAINTENANCE MECHANICS	3
IM 127	INTERMED MAINTENANCE MECHANICS	3
Hours		9
Semester 3		
ELEC 112	INTERMED AC/DC APPS & ELEC SYM	3
ELEC 113	INTERMED INSTR & CONTROL SYS	3
Hours		6
Semester 4		
MTEC 102	INTRODUCTORY CRAFT SKILLS	2
IM 128	QUAL PRACTICES MAINT MECHANICS	3
Hours		5
Total Hours		30

Code	Title	Hours
Core Courses		
COLL 101	ORIENTATION TO COLLEGE	1
Quantitative Reasoning (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#qr)		3
Writing and Rhetoric (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#wr)		3
Program Courses		
ELEC 110	INTRO TO ELECTRICAL TECHNOLOGY	3
ELEC 111	INTRO INSTRUMEN & PROCESS CNTR	3
ELEC 112	INTERMED AC/DC APPS & ELEC SYM	3
ELEC 113	INTERMED INSTR & CONTROL SYS	3
IM 126	INTRO TO MAINTENANCE MECHANICS	3
IM 127	INTERMED MAINTENANCE MECHANICS	3
IM 128	QUAL PRACTICES MAINT MECHANICS	3
MTEC 102	INTRODUCTORY CRAFT SKILLS	2
Total Hours		30