

LANSING COMMUNITY COLLEGE

Computer, Engineering/Manufacturing Industrial Technologies

Curriculum Code: 0757
(Effective Fall 2018 –
Summer 2023)

Airframe Maintenance Technology A.A.S. Pathway

Airframe maintenance technicians maintain aircraft in accordance with Federal Aviation Regulations. Airframe technicians perform a wide variety of repairs and alterations to sheet metal and composite aircraft structures. In addition, they inspect and repair or replace complex aircraft components associated with hydraulic/pneumatic, communication/navigation, fuel and flight control systems. Aviation maintenance technicians are employed throughout the world maintaining aircraft for major air carriers, commuter airlines, air freight operators, corporate flight departments, fixed base operators and a variety of other specialized aviation businesses. Not all courses in this program transfer to all colleges. Students planning to transfer should see an academic advisor before enrolling in any course.

For More Information

Contact the Aviation Technology Program at the Mason-Jewett Field, 655 Aviation Drive, Mason, telephone number (517) 483-1406.

Semester I Fall	Course Title	Prerequisites	Credit/Billing Hours
Program of Study Requirements			
AVGM 111	Aviation General I	Department Approval	4 / 5
AVGM 112	Aviation General II	Department Approval	6 / 8
AVGM 113	Aviation General III	Department Approval	4 / 5
AVGM 114	Materials and Processes	Department Approval	5 / 7
Credits			19 / 25
Semester II Spring	Course Title	Prerequisites	Credit/Billing Hours
Program of Study Requirements			
AVAF 125	Aircraft Systems I	Department Approval	2 / 2.75
AVAF 126	Aircraft Systems II	Department Approval	6 / 8.25
AVAF 140	Aircraft Welding	Department Approval	2 / 3
AVAF 208	Aircraft Structures I	Department Approval	4 / 5.5
AVAF 211	Aircraft Electrical I	Department Approval	4 / 5.75
Credits			18 / 25.25

Semester III Summer	Course Title	Prerequisites	Credit/Billing Hours
Program of Study Requirements			
AVAF 127	Aircraft Systems III	Department Approval	3 / 4
AVAF 134	Aircraft Instruments	Department Approval	2 / 2.75
AVAF 212	Aircraft Electrical II	Department Approval	4 / 5.75
Credits			9 / 12.5
Semester IV Fall	Course Title	Prerequisites	Credit/Billing Hours
Program of Study Requirements			
AVAF 209	Aircraft Structures II	Department Approval	4 / 5.75
AVAF 210	Aircraft Structures III	Department Approval	4 / 6
AVAF 246	Airframe Certification	Department Approval	1 / 1.5
AVEL 202	Flight Line Testing	Department Approval	3 / 4
Credits			12 / 17.25
Semester V Spring	Course Title	Prerequisites	Credit/Billing Hours
Writing Core Area - <i>Select 1</i>			
ENGL 121	Composition I	Reading Level 5 and Writing Level 6 or (Reading Level 4 and Writing Level 4 and ENGL 099 concurrently)	4 / 4
ENGL 124	Technical Writing	Reading Level 5 and Writing Level 6 or (Reading Level 4 and Writing Level 4 and ENGL 099 concurrently)	3 / 3
ENGL 127	Business Writing	Reading Level 5 and Writing Level 6 or (Reading Level 4 and Writing Level 4 and ENGL 099 concurrently)	3 / 3
Math Core Area - <i>Select 1</i>			
MATH 117	Math for Business	(Minimum 2.0 in MATH 105 or MATH 106 or MATH 107 within 2 years or Math Level 5 within 2 years) and Reading Level 5 and Writing Level 4	4 / 4
MATH 119	Math - Applications for Living	(Minimum 2.0 in MATH 105 or MATH 106 or MATH 107 or Math Level 5) and Reading Level 5 and Writing Level 4	4 / 4

Communication Core Area - <i>Select 1</i>			
COMM 110	Oral Comm in the Workplace	Reading Level 5 and Writing Level 6 or (Reading Level 4 and Writing Level 4 and ENGL 099 concurrently)	3 / 3
COMM 120	Dynamics of Communication	Reading Level 5 and Writing Level 6	3 / 3
COMM 130	Fund of Public Speaking	Reading Level 5 and Writing Level 6	3 / 3
COMM 140	Interpersonal Communication	Reading Level 5 and Writing Level 6	3 / 3
Science Core Area - <i>Select 1</i>			
ASTR 201	Introductory Astronomy	Reading Level 5 and Writing Level 6 and (Math Level 5 or MATH 107 or MATH 109 concurrently)	4 / 5
BIOL 120	Environmental Science	(Reading Level 5 or ENGL 099 concurrently) and Writing Level 6	4 / 6
Global Perspectives and Diversity Core Area - <i>Select 1</i>			
HUMS 213	World Civilizations to 1600	Reading Level 5 and Writing Level 6	4/4
HUMS 214	World Civilizations from 1600	Reading Level 5 and Writing Level 6	4/4
MGMT 234	Diversity in the Workplace	Reading Level 5 and Writing Level 6	3 / 3
SOCL 120	Introduction to Sociology	Reading Level 5 or (Reading Level 4 and ENGL 099 concurrently)	4/4
Credits			17-19 / 18-21
Total Credits			75-77 / 98-101