

LANSING COMMUNITY COLLEGE			
Computer, Engineering/Manufacturing Industrial Technologies			
Curriculum Code: 0745 (Effective Fall 2017 – Summer 2022)	Powerplant Maintenance Technology A.A.S. Pathway		
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			
AVPP 251	Reciprocating Engine Systems	Department Approval	2 / 2.5
AVPP 253	Reciprocating Ignition Systems	Department Approval	5 / 6.75
AVPP 255	Reciprocating Induction Sys	Department Approval	4 / 5.5
AVPP 257	Aircraft Propeller Systems	Department Approval	4 / 5.5
AVPP 259	Turbine Engine I	Department Approval	4 / 5.5
Credits			19 / 25.75

Semester III SUMMER	Course Title	Prerequisites	Credit/Billing Hours
Program of Study Requirements			
AVAF 212	Aircraft Electrical II	Department Approval	4 / 5.75
AVPP 261	Turbine Engine II	Department Approval	4 / 5.5
AVPP 263	Turbine Engine Systems	Department Approval	2 / 2.75
AVPP 265	Powerplant Instruments	Department Approval	2 / 2.5
AVPP 267	Powerplant Certification	Department Approval	1 / 1.5
Credits			13 / 18
Semester IV FALL	Course Title	Prerequisites	Credit/ Billing Hours
Writing Core Area - <i>Select 1</i>			
ENGL 124 (formerly WRIT 124)	Technical Writing	(Reading Level 5 and Writing Level 6) or AASD 105 concurrently	3 / 3
Math Core Area - <i>Select 1</i>			
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
Program of Study Requirement			
AVPP 241	Reciprocating Engine	Department Approval	8 / 11.25
Credits			15 / 18.25

Semester V SPRING	Course Title	Prerequisites	Credit/Billing Hours
Communication Core Area - <i>Select 1</i>			
COMM 110 (formerly SPCH 110)	Oral Comm in the Workplace	(Reading Level 5 and Writing Level 6) or AASD 104 concurrently	3 / 3
Science Core Area - <i>Select 1</i>			
BIOL 120	Environmental Science	(Reading Level 5 or AASD 105 concurrently) and Writing Level 6	4 / 6
Global Perspectives and Diversity Core Area - <i>Select 1</i>			
MGMT 234	Diversity in the Workplace	Reading Level 5 and Writing Level 6	3 / 3
Credits			10 / 12
Total Credits			76 / 99