

Recommended Academic Plan for Aviation Maintenance-Power Plant

Certificate of
Proficiency



This plan is a suggested semester-by-semester course plan. It is designed to keep you on track for a timely graduation. This plan is not a substitute for academic advising. Contact an advisor for further information regarding placement based on ACT/SAT or COMPASS exam scores, scheduling, degree requirements, and graduation requirements.

Semester 1				
Course	Credits	Prerequisite	Milestone/Notes	Completed
*AVI:101 General Mechanics, Drawings & Safety	2			
*AVI:102 Basic Electricity for Aviation Technicians	2			
*AVI:104 Federal Regulations & Ground Operations	2			
*AVI:106 Quantitative Applications	2			
Subtotal	8			

Semester 2				
Course	Credits	Prerequisite	Milestone/Notes	Completed
*AVI:103 Structural Materials & Corrosion Control	2			
*AVI 105:Basic Physics for Aviation	2			
Subtotal	4			

Semester 3				
Course	Credits	Prerequisite	Milestone/Notes	Completed
AVI:131 Power Plant Electrical Systems	1	AVI:102		
AVI:132 Ignition & Starting Systems	2	AVI:102		
AVI:133 Airflow, Exhaust, Lubrication & Engine Instruments	3	AVI:101		
AVI:134 Reciprocating Engines	4	AVI:101		
Subtotal	10			

Semester 4				
Course	Credits	Prerequisite	Milestone/Notes	Completed
AVI:135 Propeller Systems	3	AVI:101	Apply for Graduation	
AVI:136 Power Plant Fuel & Fire Protection Systems	3	AVI:101		
AVI:137 Turbine Engines	4	AVI:101		
AVI:138 Power Plant Inspections	1	AVI:131		
Subtotal	11			

Total Hours in the Program: 33

*These courses are part of the FAA General Aviation Curriculum and at STLCC they are usually taken concurrently with the Airframe classes.
Maximize your transfer credits/classes by meeting with an academic advisor.

Aviation Maintenance- Power Plant - CP

Quick Checklist

Courses	Credit Hours	Notes
REQUIRED COURSES		
*AVI:101 General Mechanics, Drawings & Safety	2	
*AVI:102 Basic Electricity for Aviation Technicians	2	
*AVI:103 Structural Materials & Corrosion Control	2	
*AVI:104 Federal Regulations & Ground Operations	2	
*AVI:105 Basic Physics for Aviation	2	
*AVI:106 Quantitative Applications	2	
AVI:131 Power Plant Electrical Systems	1	
AVI:132 Ignition & Starting Systems	2	
AVI:133 Airflow, Exhaust, Lubrication & Engine Instruments	3	
AVI:134 Reciprocating Engines	4	
AVI:135 Propeller Systems	3	
AVI:136 Power Plant Fuel & Fire Protection Systems	3	
AVI:137 Turbine Engines	4	
AVI:138 Power Plant Inspections	1	
ELECTIVES		

For more information, please see stlcc.edu/Programs/Degrees or consult the College Catalog at stlcc.edu/Admissions_and_Registration/Course_Catalog.html

Advisor Contact Information

Name
Phone
Email