

A Major Academic Plan (MAP) is one way to complete a degree in a set number of semesters. The *example* below is only one strategy. Actual plans for individual students will vary based on advisor recommendations and academic needs. Official Program Requirements including Major, General Education, Electives, and university requirements (see pg.2) are based on Catalog Year.

Course Subject and Title	Cr.	Min. Grade	*GE, UU or UM	**Sem. Offered	Prerequisite	Co-Requisite
Semester One						
AIRM 1100: Introduction to Aircraft Maintenance and Aviation Aerodynamics	2	C-		F	Minimum score of 14 on ALEKS or equivalent.	
AIRM 1101: Mathematics	3	C-		F		
AIRM 1104: Materials and Processes	4	C-		F		
AIRM 1107: Forms and Regulations	2	C-		F		
AIRM 1113: Rigging and Inspection	2	C-		F		
Total	13					
Semester Two						
AIRM 1108: Basic Electricity	3	C-		S		
AIRM 1109: Fluid Systems	2	C-		S		
AIRM 1110: Landing Gear Systems	2	C-		S		
AIRM 1114: Metallic Structures	4	C-		S		
AIRM 1115: Aircraft Instruments, Communications, and Navigation	2	C-		S		
Total	13					
Semester Three (Summer)						
AIRM 1111: Auxiliary Systems	3	C-		Su		
AIRM 1112: Aircraft Electrical Systems	3	C-		Su		
Total	6					
Semester Four						
AIRM 1116: Non-Metallic Structures	3	C-		F		
AIRM 2223: Basic Turbine Engines	3	C-		F		
AIRM 2224: Advanced Turbine Engines	2	C-		F		
AIRM 2225: Powerplant Lubrication Systems	2	C-		F		
AIRM 2230: Propeller Systems	2	C-		F		
Total	12					
Semester Five						
AIRM 2221: Reciprocating Engine Theory and Practice	3	C-		S		
AIRM 2222: Advanced Reciprocating Engine Inspection & Maintenance	2	C-		S		
AIRM 2227: Engine Fuel Metering Systems	2	C-		S		
AIRM 2228: Engine Ignition Systems	2	C-		S		
AIRM 2229: Engine Electrical and Instrument Systems	2	C-		S		
Total	11					

*GE=General Education Objective, UU=Upper Division University, UM= Upper Division Major

**See Course Schedule section of Course Policies page in the e-catalog (or input F, S, Su, etc.)

2024-2025 Major Requirements	CR	GENERAL EDUCATION OBJECTIVES Satisfy Objectives 1,2,3,4,5,6 (7 or 8) and 9	0 cr. min
MAJOR REQUIREMENTS			
AIRM 1100: Introduction to Aircraft Maintenance and Aviation Aerodynamics	2	1. Written English (3 cr. min)	
AIRM 1101: Mathematics	3	2. Spoken English (3 cr. min)	
AIRM 1104: Materials and Processes	4	3. Mathematics (3 cr. min)	
AIRM 1107: Forms and Regulations	2	4. Humanities, Fine Arts, Foreign Lang.	
AIRM 1108: Basic Electricity	3		
AIRM 1109: Fluid Systems	2		
AIRM 1110: Landing Gear Systems	2	5. Natural Sciences	
AIRM 1111: Auxiliary Systems	3		
AIRM 1112: Aircraft Electrical Systems	3		
AIRM 1113: Rigging and Inspection	2		
AIRM 1114: Metallic Structures	4	6. Behavioral and Social Science	
AIRM 1115: Aircraft Instruments, Communications, and Navigation	2		
AIRM 1116: Non-Metallic Structures	3		
AIRM 2221: Reciprocating Engine Theory and Practice	3	One Course from EITHER Objective 7 OR 8	
AIRM 2222: Advanced Reciprocating Engine Inspection & Maintenance	2	7. Critical Thinking	
AIRM 2223: Basic Turbine Engines	3	8. Information Literacy	
AIRM 2224: Advanced Turbine Engines	2	9. Cultural Diversity	
AIRM 2225: Powerplant Lubrication Systems	2		
AIRM 2227: Engine Fuel Metering Systems	2	General Education Elective to reach 36 cr. min. (if necessary)	
AIRM 2228: Engine Ignition Systems	2		
AIRM 2229: Engine Electrical and Instrument Systems	2	Total GE	0
AIRM 2230: Propeller Systems	2	Undergraduate Catalog and GE Objectives by Catalog Year	
		http://coursecat.isu.edu/undergraduate/programs/	