



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 1112: Aircraft Electrical Systems	3	C-		Su		
AIRM 1111: Auxiliary 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 and 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.)						

2025-2026 Major Requirements	CR	GENERAL EDUCATION OBJECTIVES Satisfy Objectives 1,2,3,4,5,6 (7 or 8) and 9	0 cr. min
MAJOR REQUIREMENTS	55	1. Written English	
AIRM 1100: Introduction to Aircraft Maintenance and Aviation Aerodynamics	2	2. Spoken English	
AIRM 1101: Mathematics	3	3. Mathematics	
AIRM 1104: Materials and Processes	4	4. Humanities, Fine Arts, Foreign Lang.	
AIRM 1107: Forms and Regulations	2		
AIRM 1108: Basic Electricity	3		
AIRM 1109: Fluid Systems	2	5. Natural Sciences	
AIRM 1110: Landing Gear Systems	2		
AIRM 1111: Auxiliary Systems	3		
AIRM 1112: Aircraft Electrical Systems	3		
AIRM 1113: Rigging and Inspection	2	6. Behavioral and Social Science	
AIRM 1114: Metallic Structures	4		
AIRM 1115: Aircraft Instruments, Communications, and Navigation	2	One Course from EITHER Objective 7 OR 8	
AIRM 1116: Non-Metallic Structures	3	7. Critical Thinking	
AIRM 2221: Reciprocating Engine Theory and Practice	3	8. Information Literacy	
AIRM 2222: Advanced Reciprocating Engine Inspection and Maintenance	2	9. Cultural Diversity	
AIRM 2223: Basic Turbine Engines	3	General Education Elective to reach 36 cr. min.	
AIRM 2224: Advanced Turbine Engines	2		
AIRM 2225: Powerplant Lubrication Systems	2	Total GE	0
AIRM 2227: Engine Fuel Metering Systems	2	Undergraduate Catalog and GE Objectives by Catalog Year	
AIRM 2228: Engine Ignition Systems	2	http://coursecat.isu.edu/undergraduate/programs/	
AIRM 2229: Engine Electrical and Instrument Systems	2		
AIRM 2230: Propeller Systems	2		
		MAP Credit Summary	CR
		Major	55
		General Education	0
		Upper Division Free Electives to reach 36 credits	0
		Free Electives to reach 120 credits	0
		TOTAL	55
		Graduation Requirement Minimum Credit Checklist	Confirmed
		Minimum 36 cr. General Education Objectives (15 cr. AAS)	
		Minimum 15 cr. Upper Division in Major (0 cr. Associate)	
		Minimum 36 cr. Upper Division Overall (0 cr. Associate)	
		Minimum of 120 cr. Total (60 cr. Associate)	
Advising Notes		MAP Completion Status (for internal use only)	
			Date
		CAA or COT:	GR 09/25/2025
		Complete College American Momentum Year	
		Math and English course in first year-Specific GE MATH course identified	
		9 credits in the Major area in first year	
		15 credits each semester (or 30 in academic year)	
		Milestone courses	