



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						
GE Objective 1: Any	3	D-	GE			
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	16					
Semester Two						
GE Objective 2: COMM 1101 Fundamentals of Oral Communication	3	D-	GE			
AIRM 1114: Metallic Structures	4	C-		S		
AIRM 1109: Fluid Systems	2	C-		S		
AIRM 1110: Landing Gear Systems	2	C-		S		
AIRM 1108: Basic Electricity	3	C-		S		
AIRM 1115: Aircraft Instruments, Communications, and Navigation	2	C-		S		
Total	16					
Semester Three (Summer)						
GE Objective 3: Any	3	D-	GE			
AIRM 1112: Aircraft Electrical Systems	3	C-		Su		
AIRM 1111: Auxiliary Systems	3	C-		Su		
Total	9					
Semester Four						
GE Objective 6: TGE 1150 Applied Social Sciences in the Workplace (Recommended)	3	D-	GE	D		
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	15					
Semester Five						
Elective GE: Any Objective Not Previously Applied	3	D-	GE			
AIRM 2227: Engine Fuel Metering Systems	2	C-		S		
AIRM 2228: Engine Ignition Systems	2	C-		S		
AIRM 2221: Reciprocating Engine Theory and Practice	3	C-		S		
AIRM 2222: Advanced Reciprocating Engine Inspection and Maintenance	2	C-		S		
AIRM 2229: Engine Electrical and Instrument Systems	2	C-		S		
Total	14					
*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.)						

2026-2027 Major Requirements	CR	GENERAL EDUCATION OBJECTIVES Satisfy Objectives 1,2,3,4,5,6 (7 or 8) and 9		15 cr. min
MAJOR REQUIREMENTS	55	1. Written English Any		3
AIRM 1100: Introduction to Aircraft Maintenance and Aviation Aerodynamics	2	2. Spoken English COMM 1101		3
AIRM 1101: Mathematics	3	3. Mathematics Any		3
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	TGE 1150 (Recommended)		3
AIRM 1115: Aircraft Instruments, Communications, and Navigation	2			
AIRM 1116: Non-Metallic Structures	3	One Course from EITHER Objective 7 OR 8		
AIRM 2221: Reciprocating Engine Theory and Practice	3	7. Critical Thinking		
AIRM 2222: Advanced Reciprocating Engine Inspection and Maintenance	2	8. Information Literacy		
AIRM 2223: Basic Turbine Engines	3	9. Cultural Diversity		
AIRM 2224: Advanced Turbine Engines	2			
AIRM 2225: Powerplant Lubrication Systems	2	General Education Elective to reach 36 cr. min. (if necessary)		
AIRM 2227: Engine Fuel Metering Systems	2	Any		3
AIRM 2228: Engine Ignition Systems	2	Total GE		15
AIRM 2229: Engine Electrical and Instrument Systems	2	Undergraduate Catalog and GE Objectives by Catalog Year		
AIRM 2230: Propeller Systems	2	http://coursecat.isu.edu/undergraduate/programs/		
		MAP Credit Summary		CR
		Major		55
		General Education		15
		Upper Division Free Electives to reach 36 credits		0
		Free Electives to reach 120 credits		0
		TOTAL		70
		Graduation Requirement Minimum Credit Checklist		Confirmed
		Minimum 36 cr. General Education Objectives (15 cr. AAS)		X
		Minimum 15 cr. Upper Division in Major (0 cr. Associate)		X
		Minimum 36 cr. Upper Division Overall (0 cr. Associate)		X
		Minimum of 120 cr. Total (60 cr. Associate)		X
Advising Notes		MAP Completion Status (for internal use only)		
			Date	
		CAA or COT:	GR 06/09/2026	
		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		