



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						
WELD 1130: Safety and Leadership	2	C		F, S, D	Minimum score of 14 on ALEKS or equivalent and permission	
WELD 131: Welding Practice I OR WELD 131A: Shielded Metal Arc Welding AND WELD 131B: Gas Metal Arc Welding AND WELD 131C: Flux Cored Arc Welding	12	C		F, S F, S, D F, S, D F, S, D	Instructor Permission	
WELD 1140: Welding Theory	2	C		F		
WELD 1143: Shop Math I	2	C		F		
Total	18					
Semester Two						
WELD 1132: Welding Practice II	10	C		F, S	WELD 1131	
WELD 1141: Mechanical Drawing	2	C		S		
WELD 1142: Blueprint Reading for Welders	2	C		S		
Total	14					
Semester Three						
WELD 2231: Welding Practice III	10	C		F	WELD 1132	
WELD 2241: Metal Layout	3	C		F	WELD 1141	
Total	13					
Semester Four						
WELD 2232: Welding Practice IV	10	C		S	WELD 2231	
WELD 2243: Shop Math II	3	C		S	WELD 1143	
Total	13					
*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	58	1. Written English	
WELD 1130: Safety and Leadership	2		
WELD 1131: Welding Practice I OR WELD 1131A: Shielded Metal Arc Welding AND WELD 1131B: Gas Metal Arc Welding AND WELD 1131C: Flux Cored Arc Welding	12	2. Spoken English	
		3. Mathematics	
		4. Humanities, Fine Arts, Foreign Lang.	
WELD 1132: Welding Practice II	10		
WELD 1140: Welding Theory	2	5. Natural Sciences	
WELD 1141: Mechanical Drawing	2		
WELD 1142: Blueprint Reading for Welders	2		
WELD 1143: Shop Math I	2		
WELD 2231: Welding Practice III	10	6. Behavioral and Social Science	
WELD 2232: Welding Practice IV	10		
WELD 2241: Metal Layout	3	One Course from EITHER Objective 7 OR 8	
WELD 2243: Shop Math II	3	7. Critical Thinking	
		8. Information Literacy	
		9. Cultural Diversity	
		General Education Elective to reach 36 cr. min.	
		Total GE	0
		Undergraduate Catalog and GE Objectives by Catalog Year http://coursecat.isu.edu/undergraduate/programs/	
		MAP Credit Summary	CR
		Major	58
		General Education	0
		Upper Division Free Electives to reach 36 credits	0
		Free Electives to reach 120 credits	0
		TOTAL	58
		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:	HW 06/13/2025
		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	