



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						
ESET 1140: Applied Technical Intermediate Algebra	5	C-		F, S, D	Minimum ALEKS score of 30 or equivalent	
SMT 1118: Semiconductor Manufacturing Technician I	2	C-		F, S, Su		SMT 1118L
SMT 1118L: Semiconductor Manufacturing Technician I Lab	1	C-		F, S, Su		SMT 1118
SMT 1121: Basic Electricity and Electronics	4	C-		F, S, Su		SMT 1121L
SMT 1121L: Basic Electricity Lab	3	C-		F, S, Su		SMT 1121
SMT 1123: Mechanical Power Transmission I	2	C-		F, S, Su	Permission of instructor	SMT 1123L
SMT 1123L: Mechanical Power Transmission Laboratory I	2	C-		F, S, Su	Permission of instructor	SMT 1123
Total	19					
Semester Two						
SMT 1101: Clean Room Operations and Lab	2	C-		F, S, Su		
SMT 1119: Semiconductor Manufacturing Technician II	2	C-		F, S, Su		SMT 1119L
SMT 1119L: Semiconductor Manufacturing Technician II Lab	1	C-		F, S, Su		SMT 1119
SMT 1122: Electrical Systems and Motor Control Theory	3	C-		F, S, Su	SMT 1121/L or permission of instructor	SMT 1122L
SMT 1122L: Electrical Systems and Motor Control Theory Laboratory	1	C-		F, S, Su	SMT 1121/L or permission of instructor	SMT 1122
SMT 1127: Mechanical Power Transmission II	2	C-		F, S, Su		SMT 1127L
SMT 1127L: Mechanical Power Transmission Laboratory II	2	C-		F, S, Su		SMT 1127
SMT 1162: Industrial Safety and Regulations	2	C-		F, S, Su		
SMT 1184: Pneumatic and Vacuum Systems	2	C-		F, S, Su		SMT 1184L
SMT 1184L: Pneumatic and Vacuum Systems Lab	1	C-		F, S, Su		SMT 1184
Total	18					
*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	0 cr. min
MAJOR REQUIREMENTS	37	1. Written English	
ESET 1140: Applied Technical Intermediate Algebra	5		
SMT 1101: Clean Room Operations and Lab	2	2. Spoken English	
SMT 1118: Semiconductor Manufacturing Technician I	2	3. Mathematics	
SMT 1118L: Semiconductor Manufacturing Technician I Lab	1	4. Humanities, Fine Arts, Foreign Lang.	
SMT 1119: Semiconductor Manufacturing Technician II	2		
SMT 1119L: Semiconductor Manufacturing Technician II Lab	1		
SMT 1121: Basic Electricity and Electronics	4	5. Natural Sciences	
SMT 1121L: Basic Electricity Lab	3		
SMT 1122: Electrical Systems and Motor Control Theory	3		
SMT 1122L: Electrical Systems and Motor Control Theory Laboratory	1	6. Behavioral and Social Science	
SMT 1123: Mechanical Power Transmission I	2		
SMT 1123L: Mechanical Power Transmission Laboratory I	2		
SMT 1127: Mechanical Power Transmission II	2	One Course from EITHER Objective 7 OR 8	
SMT 1127L: Mechanical Power Transmission Laboratory II	2	7. Critical Thinking	
SMT 1162: Industrial Safety and Regulations	2	8. Information Literacy	
SMT 1184: Pneumatic and Vacuum Systems	2	9. Cultural Diversity	
SMT 1184L: Pneumatic and Vacuum Systems Lab	1		
		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	37
		General Education	0
		Upper Division Free Electives to reach 36 credits	0
		Free Electives to reach 120 credits	0
		TOTAL	37
		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)	
			<i>Date</i>
		CAA or COT:	GR 06/17/2026
		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	