

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 OR MATH 1143: Precalculus I: Algebra AND MATH 1144: Precalculus II: Trigonometry OR MATH 1147: Precalculus	5	C- D- D- D-		F, S, D	Minimum score of 30 on ALEKS or equivalent Appropriate placement score Appropriate placement score Appropriate placement score	
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	Minimum score of 30 on ALEKS or equivalent	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 1117: Introduction to Industrial Thermal Systems	2	C-		F, S, Su		SMT 1117L
SMT 1117L: Introduction to Industrial Thermal Systems Lab	1	C-		F, S, Su		SMT 1117
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		
Total	18					
Semester Three						
GE Objective 1: Any	3	D-	GE			
GE Objective 2: Any	3	D-	GE			
GE Objective 3: Any	3	D-	GE			
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
SMT 2203: Nanofabrication	3	C-		F, S, Su		
SMT 2242: Practical Process Measurements and Control	2	C-		F, S, Su	SMT 1122 or permission of instructor	
Total	17					
Semester Four						
GE Objective 6: Any	3	D-	GE			
Any unfulfilled objective	3	D-	GE			
SMT 2201: Automated Control Systems	2	C-		F, S, Su		SMT 2201L
SMT 2201L: Automated Control Systems Lab	1	C-		F, S, Su		SMT 2201
SMT 2202: Radio Frequency Plasma	3	C-		F, S, Su		
Total	12					
*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.)						

Form Revised 2.14.2023