



Mechanical Engineering Associates of Pre-Engineering

(Articulation for USU,
Updated 8-28-24)

X	Course	Credits	Semester Offered	Online Offered?	Milestones
	Freshman (Fall 1)				
	ENGR 1000 Introduction to Engineering**	2	Fall, Spring	X	Meet with your ENGINEERING advisor. Earn 2.0 GPA or higher (Bachelor's degree may require higher GPA)
	MATH 1210 Calculus I	5	Fall, Spring, Summer		
	CHEM 1210 Principles of Chemistry I	4	Fall, Spring		
	CHEM 1215 Principles of Chemistry I Lab	1	Fall, Spring		
	GE Breadth Course (Or ENGL 1010 if not done in HS)	3	Fall, Spring, Summer	X	
	GE Breadth Course (or take summer term)	3	Fall, Spring, Summer	X	
	Total Credits	18			
	Freshman (Spring 1)				
	ENGR 1300 Engineering Graphics	3	Fall, Spring		Meet with your ENGINEERING advisor. Earn 2.0 GPA or higher (Bachelor's degree may require higher GPA)
	MATH 1220 Calculus II	4	Fall, Spring, Summer		
	PHYS 2210 Physics for Engineers I	4	Fall, Spring		
	PHYS 2215 Physics for Engineers I Lab	1	Fall, Spring		
	ENGR 1400 Introduction to Computer Programing C++	3	Fall, Spring	X	
	ENGR 1405 Intro to Computer Programming Lab	1	Fall, Spring	X	
	Total Credits	16			
	Sophomore (Fall 2)				
	ENGL 2010 Intermediate Writing	3	Fall, Spring, Summer	X	Meet with an ENGINEERING advisor at your Transfer Institution. Earn 2.0 GPA or higher (Bachelor's degree may require higher GPA)
	ENGR 2010 Statics	3	Fall, Spring		
	ENGR 2250 Analog Circuits I	3	Fall		
	ENGR 2255 Analog Circuits I Lab	1	Fall		
	MATH 2210 Multivariable Calculus	3	Fall, Spring		
	PHYS 2220 Physics for Engineers II	4	Fall, Spring		
	PHYS 2225 Physics for Engineers II Lab	1	Fall, Spring		
	Total Credits	18			
	Sophomore (Spring 2)				
	ENGR 2030 Dynamics	3	Fall, Spring		Meet with an ENGINEERING advisor at your Transfer Institution. Earn 2.0 GPA or higher (Bachelor's degree may require higher GPA)
	ENGR 2140 Mechanics of Materials	3	Fall, Spring		
	ENGR 2450 Numerical Methods	3	Spring		
	ENGR 2300 Thermodynamics	3	Spring		
	MATH 2250 Linear Algebra & Diff. Eq.	4	Fall, Spring		
	Total Credits	16			
	Total Credits	68	of 64 required		

For most recent information, students must contact their transfer institution directly. and TALK TO ENGINEERING ADVISOR

** This course does not transfer to USU but is still recommended

Additional Courses to Consider While Working on Math Credits:
ENGL 3260 Technical Writing, ENGR 2160/2165 Material Science