



Electrical Engineering Associates of Pre-Engineering

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

✘	Course	Credits	Semester Offered	Online	Milestones
	Freshman (Fall 1)				Meet with your ENGINEERING advisor. Earn 2.0 GPA or higher (Bachelor's degree may require higher GPA)
	ENGR 1400 Fundamentals of Programming	3	Fall, Spring	X	
	ENGR 1405 Fundamentals of Programming Lab	1	Fall, Spring	X	
	ENGR 1000 Introduction to Engineering **	2	Fall, Spring	X	
	MATH 1210 Calculus I	5	Fall, Spring, Summer		
	GE or ENGL 1010 Expository Writing	3	Fall, Spring, Summer	X	
	GE	3	Fall, Spring, Summer	X	
	Total Credits	17			
	Freshman (Spring 1)				Meet with your ENGINEERING advisor. Earn 2.0 GPA or higher (Bachelor's degree may require higher GPA)
	ENGR 1410 Object-oriented Programming	3	Fall, Spring		
	ENGR 1415 Object-oriented Programming Lab	1	Fall, Spring		
	ENGR 2700 Digital Circuits	3	Spring		
	ENGR 2705 Digital Circuits Lab	1	Spring		
	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		
	Total Credits	17			
	Sophomore (Fall 2)				Meet with your ENGINEERING advisor. Earn 2.0 GPA or higher (Bachelor's degree may require higher GPA)
	ENGR 2250 Analog Circuits I	3	Fall		
	ENGR 2255 Analog Circuits I Lab	1	Fall		
	MATH 2210 Multivariable Calculus	3	Fall, Spring		
	MATH 2270 Linear Algebra	3	Fall, Spring		
	PHYS 2220 Physics for Engineers II	4	Fall, Spring		
	PHYS 2225 Physics for Engineers II Lab	1	Fall, Spring		
	GE	3	Fall, Spring, Summer	X	
	Total Credits	18			
	Sophomore (Spring 2)				Meet with your ENGINEERING advisor. Earn 2.0 GPA or higher (Bachelor's degree may require higher GPA)
	ENGR 2290 Analog Circuits II	3	Spring		
	ENGR 2295 Analog Circuits II Lab	1	Spring		
	MATH 2280 Differential Equations	3	Spring		
	Technical Elective	3	Fall, Spring		
	ENGL 2010 Intermediate Writing	3	Fall, Spring, Summer	X	
	GE	3	Fall, Spring, Summer	X	
	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 U of U, but it is still recommended.*

Additional Courses to Consider While Working on Math Credits:
ENGL 3260 Technical Writing