



## Mechanical and Aerospace Engineering A.P.E. 2 yrs.

Engineering Department-Brian Newbold-(435)283-7515-brian.newbold@snow.edu

✕	Course	Credits	Semester Offered	Online	Milestones
	<b>Freshman (Semester 1)</b>				Meet with your academic advisor. Earn 2.0 GPA or higher (Bachelor's degree may require higher GPA)
	CHEM 1210 Principles of Chemistry I	4	Fall, Spring		
	CHEM 1215 Principles of Chemistry I Lab	1	Fall, Spring		
	ENGR 1000 Introduction to Engineering	2	Fall, Spring		
	MATH 1210 Calculus I	5	Fall, Spring		
	ENGL 1010 Introduction to Writing	3	Fall, Spring, Summer	X	
	General Education	3	Fall, Spring, Summer	X	
	Total Credits	18			
	<b>Freshman (Semester 2)</b>				Meet with your academic advisor. Earn 2.0 GPA or higher (Bachelor's degree may require higher GPA)
	CS 1400 Programming Fundamentals	3	Fall, Spring		
	CS 1405 Programming Fundamentals Lab	1	Fall, Spring		
	ENGR 2010 Statics	3	Fall, Spring		
	MATH 1220 Calculus II	4	Fall, Spring		
	ENGR 1300 Engineering Graphics and Design	3	Fall, Spring		
	General Education	4	Fall, Spring, Summer	X	
	Total Credits	18			
	<b>Sophomore (Semester 1)</b>				Meet with your academic advisor. Earn 2.0 GPA or higher (Bachelor's degree may require higher GPA) Apply for graduation
	ENGR 2140 Strength of Materials	3	Fall		
	ENGR 2250 Analog Circuits	3	Fall		
	ENGR 2255 Analog Circuits Lab	1	Fall		
	MATH 2210 Multivariable Calculus	3	Fall, Spring		
	PHYS 2210 Physics for Scientists and Engineers I	4	Fall		
	PHYS 2215 Physics for Scientists and Engineers I Lab	1	Fall		
	ENGL 2010 Intermediate Writing	3	Fall, Spring, Summer	X	
	Total Credits	18			
	<b>Sophomore (Semester 2)</b>				Meet with your academic advisor. Earn 2.0 GPA or higher (Bachelor's degree may require higher GPA) Declare Bachelor's degree major.
	ENGR 2030 Dynamics	3	Spring		
	ENGR 2450 Numerical Methods ( not for USU)	3	Spring		
	MATH 2250 Linear Algebra and Differential Equations	4	Spring		
	PHYS 2220 Physics for Scientists and Engineers II	4	Spring		
	PHYS 2225 Physics for Scientists and Engineers II Lab	1	Spring		
	ENGR 2300 Engineering Thermodynamics	3	Spring		
	Total credits	18			

Notes:

*\*For most recent information, students must contact their transfer institution directly.\**



## Mechanical and Aerospace Engineering A.P.E. 3 yrs.

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X	Course	Credits	Semester Offered	Online	Milestones
	<b>Freshman (Semester 1)</b>				Meet with your academic advisor. Earn 2.0 GPA or higher (Bachelor's degree may require higher GPA)
	MATH 1050 College Algebra	4	Fall, Spring, Summer	X	
	MATH 1060 Trigonometry	3	Fall, Spring		
	ENGL 1010 Introduction to Writing	3	Fall, Spring, Summer	X	
	General Education	4	Fall, Spring, Summer	X	
	Total Credits	14			
	<b>Freshman (Semester 2)</b>				Meet with your academic advisor. Earn 2.0 GPA or higher (Bachelor's degree may require higher GPA)
	CHEM 1210 Principles of Chemistry I	4	Fall, Spring		
	CHEM 1215 Principles of Chemistry I Lab	1	Fall, Spring		
	ENGR 1000 Introduction to Engineering	2	Fall, Spring		
	MATH 1210 Calculus I	5	Fall, Spring		
	Total Credits	12			
	<b>Sophomore (Semester 1)</b>				Meet with your academic advisor. Earn 2.0 GPA or higher (Bachelor's degree may require higher GPA)
	CS 1400 Programming Fundamentals	3	Fall, Spring		
	CS 1405 Programming Fundamentals Lab	1	Fall, Spring		
	ENGR 2010 Statics	3	Fall, Spring		
	MATH 1220 Calculus II	4	Fall, Spring		
	PHYS 2210 Physics for Scientists and Engineers I	4	Fall		
	PHYS 2215 Physics for Scientists and Engineers Lab	1	Fall		
	Total Credits	16			
	<b>Sophomore (Semester 2)</b>				Meet with your academic advisor. Earn 2.0 GPA or higher (Bachelor's degree may require higher GPA)
	ENGR 2030 Dynamics	3	Spring		
	MATH 2210 Multivariable Calculus	3	Fall, Spring		
	PHYS 2220 Physics for Scientists and Engineers II	4	Spring		
	PHYS 2225 Physics for Scientists and Engineers II Lab	1	Spring		
	ENGL 2010 Intermediate Writing	3	Fall, Spring, Summer	X	
	Total credits	14			
	<b>Sophomore (Semester 3)</b>				Meet with your academic advisor. Earn 2.0 GPA or higher (Bachelor's degree may require higher GPA) Apply for graduation.
	ENGR 2160 Materials Science	3	Fall		
	ENGR 2140 Strength of Materials	3	Fall		
	ENGR 2250 Analog Circuits	3	Fall		
	ENGR 2255 Analog Circuits Lab	1	Fall		
	General Education	3	Fall, Spring, Summer	X	
	Total Credits	13			
	<b>Junior (Semester 1)</b>				Meet with your academic advisor. Earn 2.0 GPA or higher (Bachelor's degree may require higher GPA) Declare Bachelor major.
	ENGR 1300 Engineering Graphics and Design	3	Fall, Spring		
	ENGR 2300 Engineering Thermodynamics	3	Spring		
	ENGR 2450 Numerical Methods (not for USU)	3	Spring		
	MATH 2250 Linear Algebra and Differential Equations	4	Fall, Spring		
	Total Credits	13			

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