

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

## Name

×	Course	Credits	Semester Offered	Online	Milestones
	Freshman (Semester 1)				Meet with your
	CHEM 1210 Principles of Chemistry I	4	Fall, Spring		academic advisor.
	CHEM 1215 Principles of Chermistry I Lab	1	Fall, Spring		Earn 2.0 GPA or
	ENGR 1000 Introduction to Engineering	2	Fall, Spring		higher (Bachelor's
	MATH 1210 Calculus I	5	Fall, Spring		degree may require
	ENGL 1010 Introduction to Writing	3	Fall, Spring, Summer	Х	higher GPA)
	GNST 1200 Foundations	3	Fall, Spring, Summer	Х	
	Total Credits	18			
	Freshman (Semester 2)				Meet with your
	ENGR 1400 Programming Fundamentals	3	Fall, Spring		academic advisor.
	ENGR 1405 Programming Fundamentals Lab		Fall, Spring		Earn 2.0 GPA or
	ENGR 2010 Statics		Fall, Spring		higher (Bachelor's
	MATH 1220 Calculus II		Fall, Spring		degree may require
	ENGR 1300 Engineering Graphics and Design		Fall, Spring		higher GPA)
	General Education		Fall, Spring, Summer	Х	1
	Total Credits	18			1
		.,			
	Sophomore (Semester 1)				Meet with your
	ENGR 2140 Strength of Materials		Fall		academic advisor.
	ENGR 2250 Analog Circuits		Fall		Earn 2.0 GPA or
	ENGR 2255 Analog Circuits Lab		Fall		higher (Bachelor's
	MATH 2210 Multivariable Calculus		Fall, Spring		degree may require
	PHYS 2210 Physics for Scientists and Engineers I		Fall		higher GPA)
	PHYS 2215 Physics for Scientists and Engineers I Lab		Fall		Apply for
	ENGL 2010 Intermediate Writing		Fall, Spring, Summer	Х	graduation
	Total Credits	18			
	Sophomore (Semester 2)				Meet with your
	ENGR 2030 Dynamics	3	Spring		academic advisor.
	ENGR 2450 Numerical Methods ( not for USU)	3	Spring		Earn 2.0 GPA or
	MATH 2250 Linear Algebra and Differential Equations	4	Spring		higher (Bachelor's
	PHYS 2220 Physics for Scientists and Engineers II	4	Spring		degree may require
	PHYS 2225 Physics for Scientists and Engineers II Lab		Spring		higher GPA) Declare
	ENGR 2300 Engineering Thermodynamics		Spring		Bachelor's degree
	Total credits	18			major.

Notes:

 $<sup>{\</sup>bf *For\ most\ recent\ information,\ students\ must\ contact\ their\ transfer\ institution\ directly.*}$ 



## Mechanical and Aerospace Engineering

A.P.E. 3 yrs.

## Name

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×	Course	Credits	Semester Offered	Online	Milestones
	Freshman (Semester 1)				Meet with your
	MATH 1050 College Algebra		Fall, Spring, Summer	Х	academic advisor.
	MATH 1060 Trigonometry		Fall, Spring		Earn 2.0 GPA or
	ENGL 1010 Introduction to Writing	3	Fall, Spring, Summer	Х	higher (Bachelor's
	GNST 1200 Foundations	3	Fall, Spring, Summer	X	degree may require
	Total Credits	13			higher GPA)
	Freshman (Semester 2)				
	CHEM 1210 Principles of Chemistry I	4	Fall, Spring		Meet with your
	CHEM 1215 Principles of Chemistry I Lab	I	Fall, Spring		academic advisor.
	ENGR 1000 Introduction to Engineering	2	Fall, Spring		Earn 2.0 GPA or
	MATH 1210 Calculus I	5	Fall, Spring		higher (Bachelor's
	Total Credits	12			degree may require
	Sophomore (Semester 1)				higher GPA)
	ENGR 1400 Programming Fundamentals	3	Fall, Spring		Meet with your
	ENGR 1405 Programming Fundamentals Lab		Fall, Spring		academic advisor.
	ENGR 2010 Statics		Fall, Spring		Earn 2.0 GPA or
	MATH 1220 Calculus II		Fall, Spring		higher (Bachelor's
	PHYS 2210 Physics for Scientists and Engineers I		Fall		degree may require
	PHYS 2215 Physics for Scientists and Engineers Lab	i	Fall		higher GPA)
	Total Credits	16			,
	Sophomore (Semester 2)				Meet with your
	ENGR 2030 Dynamics	3	Spring		academic advisor.
	MATH 2210 Multivariable Calculus		Fall, Spring		Earn 2.0 GPA or
	PHYS 2220 Physics for Scientists and Engineers II		Spring		higher (Bachelor's
	PHYS 2225 Physics for Scientists and Engineers II Lab		Spring		degree may require
	ENGL 2010 Intermediate Writing		Fall, Spring, Summer	х	higher GPA)
	Total credits	14			ge. e. 7.ly
	Sophomore (Sememster 3)				Meet with your
	· · · · · · · · · · · · · · · · · · ·	1	Fall		<u> </u>
	ENGR 2160 Materials Science				academic advisor.
	ENGR 2140 Strength of Materials	_	Fall		Earn 2.0 GPA or
	ENGR 2250 Analog Circuits	3	Fall Fall		higher (Bachelor's
	ENGR 2255 Analog Circuits Lab General Education	1 2	Fall, Spring, Summer		degree may require
				X	higher GPA) Apply
	Total Credits	13			for graduation.
	Junior (Semester 1)				Meet with your
	ENGR 1300 Engineering Graphics and Design		Fall, Spring		academic advisor.
	ENGR 2300 Engineeering Thermodynamics	_	Spring		Earn 2.0 GPA or
	ENGR 2450 Numerical Methods (not for USU)		Spring		higher (Bachelor's
	MATH 2250 Linear Algebra and Differential Equations	4	Fall, Spring		degree may require
	Total Credits	13			higher GPA) Declare
					Bachelor major.

<sup>\*</sup>For most recent information, students must contact their transfer institution directly.\*