



Electrical and Computer Engineering A.P.E. in 2 years

Name _____

✕	Course	Credits	Semester Offered	Online	Milestones
	Freshman (Semester 1)				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 1000 Introduction to Engineering	2	Fall, Spring		
	MATH 1210 Calculus I	5	Fall, Spring		
	ENGL 1010 Introduction to Writing	3	Fall, Spring, Summer	X	
	GNST 1200 Foundations	3	Fall, Spring, Summer	X	
	Total Credits	17			
	Freshman (Semester 2)				Meet with your academic advisor. Earn 2.0 GPA or higher (Bachelor's degree may require higher GPA)
	CS 1410 Object Oriented Programming	3	Spring		
	CS 1410 Object Oriented Programming Lab	1	Spring		
	ENGR 2700 Digital Circuits	3	Spring		
	ENGR 2705 Digital Circuits Lab	1	Spring		
	MATH 1220 Calculus II	4	Fall, Spring		
	ENGL 2010 Intermediate Writing	3	Fall, Spring, Summer	X	
	Total Credits	15			
	Sophomore (Semester 1)				Meet with your academic advisor. Earn 2.0 GPA or higher (Bachelor's degree may require higher GPA) Apply for graduation
	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		
	General Education	4	Fall, Spring, Summer	X	
	Total Credits	16			
	Sophomore (Semester 2)				Meet with your academic advisor. Earn 2.0 GPA or higher (Bachelor's degree may require higher GPA) Declare Bachelor's degree major.
	ENGR 2010 Statics	3	Fall, Spring		
	MATH 2270 Linear Algebra	3	Spring		
	MATH 2280 Differential Equations	3	Spring		
	PHYS 2220 Physics for Scientists and Engineers II	4	Spring		
	PHYS 2225 Physics for Scientists and Engineers II Lab	1	Spring		
	Technical Electives	3	Spring		
	Total Credits	17			

Notes:

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



Electrical and Computer Engineering A.P.E. 3 yrs.

Name _____

✘	Course	Credits	Semester Offered	Online	Milestones
	Freshman (Semester 1)				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	
	GNST 1200 Foundations	3	Fall, Spring, Summer	X	
	Total Credits	13			
	Freshman (Semester 2)				Meet with your academic advisor. Earn 2.0 GPA or higher (Bachelor's degree may require higher GPA)
	ENGR 1000 Introduction to Engineering	2	Fall, Spring		
	MATH 1210 Calculus I	5	Fall, Spring		
	ENGL 2010 Intermediate Writing	3	Fall, Spring, Summer	X	
	ENGR 2700 Digital Circuits	3	Spring	X	
	ENGR 2705 Digital Circuits Lab	1	Spring		
	Total Credits	13			
	Sophomore (Semester 1)				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	X	
	CS 1405 Programming Fundamentals	1	Fall, Spring	X	
	MATH 1220 Calculus II	4	Fall, Spring	X	
	PHYS 2210 Physics for Scientists and Engineers I	4	Fall		
	PHYS 2215 Physics for Scientists and Engineers I Lab	1	Fall		
	Total Credits	13			
	Sophomore (Semester 2)				Meet with your academic advisor. Earn 2.0 GPA or higher (Bachelor's degree may require higher GPA)
	CS 1410 Object Oriented Programming	3	Spring		
	CS 1415 Object Oriented Programming Lab	1	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		
	Total credits	12			
	Third Year (Semester 1)				Apply for graduation. Declare Bachelor's degree major.
	ENGR 2250 Analog Circuits	3	Fall		
	ENGR 2255 Analog Circuits Lab	1	Fall		
	MATH 2270 Linear Algebra	3	Spring		
	Technical Electives	3	Fall, Spring		
	General Education	3	Fall, Spring, Summer	X	
	Total Credits	13			
	Third Year (Semester 2)				Meet with your academic advisor. Earn 2.0 GPA or higher (Bachelor's degree may require higher GPA)
	ENGR 2010 Statics	3	Fall, Spring		
	MATH 2280 Differential Equations	3	Fall, Spring		
	General Electives	3	Fall, Spring, Summer		
	Electives	3	Fall, Spring, Summer	X	
	Total Credits	12			

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