


	Your Class Schedule	Academic Advising	Enriching Experiences	Lifelong Success
Freshman	<ul style="list-style-type: none"> • Complete core courses recommended for your degree plan • Focus on English, Calculus, Chemistry, Physics, and Programming courses • Enroll in 17 credit hours in Fall semester and 17 credit hours in Spring semester. 	<ul style="list-style-type: none"> • Participate in New Student Orientation • Meet with your Academic Advising Center Freshman Advisor before registration. • Ask your Advisor about the College of Engineering recommended core courses for your degree plan 	<p>Prioritize Your Wellness</p> <ul style="list-style-type: none"> • Participate in campus recreation • Attend Financial Literacy seminars • Form healthy study habits <p>Build Your Community</p> <ul style="list-style-type: none"> • Use FalconLink & attend Club Day • Volunteer • Attend campus events <p>Explore Your World</p> <ul style="list-style-type: none"> • Attend an athletics event, musical performance, or visit the art gallery 	<p>Build Your Brand</p> <ul style="list-style-type: none"> • Draft your resume • Register for the Job Board <p>Craft Your Future</p> <ul style="list-style-type: none"> • Explore career options • Have coffee with a faculty member • Be an active participant in Directed Observations
Sophomore	<ul style="list-style-type: none"> • Complete core courses recommended for your degree plan • Complete Physics II and Fundamentals of Circuits Analysis courses. • Enroll in 17 credit hours in Fall semester and 14 credit hours in Spring semester. 	<ul style="list-style-type: none"> • Meet with your Academic Advising Center Advisor before registration. • Ask your Advisor about the College of Engineering recommended core courses for your degree plan 	<p>Prioritize Your Wellness</p> <ul style="list-style-type: none"> • Enjoy outdoor spaces on campus <p>Build Your Community</p> <ul style="list-style-type: none"> • Join an organization • Explore campus leadership (SGA, Orientation Leader, Resident Asst.) • Seek to attend professional meetings and seminars <p>Explore Your World</p> <ul style="list-style-type: none"> • Consider study abroad • Attend a lecture series 	<p>Build Your Brand</p> <ul style="list-style-type: none"> • Update your resume • Join LinkedIn • Consider student employment <p>Craft Your Future</p> <ul style="list-style-type: none"> • Participate in mock interviews • Attend an internship/career fair • Be an active participant in clinical practicum courses
Junior	<ul style="list-style-type: none"> • Focus on Electrical Engineering courses • Enroll in 16 credit hours both in Fall and spring semesters. 	<ul style="list-style-type: none"> • Meet with your Electrical Engineering Academic Advisor before registration. 	<p>Prioritize Your Wellness</p> <ul style="list-style-type: none"> • Attend a health fair <p>Build Your Community</p> <ul style="list-style-type: none"> • Run for organization officer role • Apply to be a Falcon Ambassador • Seek to attend professional meetings and seminars <p>Explore Your World</p> <ul style="list-style-type: none"> • Consider study abroad • Participate in service learning 	<p>Build Your Brand</p> <ul style="list-style-type: none"> • Update your resume • Conduct research with faculty <p>Craft Your Future</p> <ul style="list-style-type: none"> • Search for internships or fellowships • Be an active participant in clinical practicum courses
Senior	<ul style="list-style-type: none"> • Focus on Electrical Engineering courses • Enroll in 16 credit hours in Fall semester and 13 credit hours in Spring semester. 	<ul style="list-style-type: none"> • Meet with your Electrical Engineering Academic Advisor before registration. • Discuss senior design projects with your advisor. 	<p>Prioritize Your Wellness</p> <ul style="list-style-type: none"> • Attend financial literacy seminars <p>Build Your Community</p> <ul style="list-style-type: none"> • Attend your ring ceremony • Join Alumni Association upon graduation • Seek to attend professional meetings and seminars <p>Explore Your World</p> <ul style="list-style-type: none"> • Ask your clinical preceptor about opportunities to view surgery 	<p>Build Your Brand</p> <ul style="list-style-type: none"> • Update your resume • Present research <p>Craft Your Future</p> <ul style="list-style-type: none"> • Participate in an internship or fellowship • Be an active participant in clinical practicum courses • Apply for jobs

<p style="text-align: center;">Skills Learned Upon Graduation</p> <ul style="list-style-type: none"> •Leadership •Problem-solving •Communication •Critical Thinking •Collaboration •Confidence •Global Awareness •Teamwork •Volunteering 	<p style="text-align: center;">Career Opportunities</p> <ul style="list-style-type: none"> • Aerospace, Automotive, Manufacturing, Oil and Gas • NASA, Department of Defense, Power & consulting companies
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	<p>Bachelor of Science in Electrical Engineering College of Engineering Degree Map 2023 - 2024</p>
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Education Requirements

Semester 1	Semester 2
ENGL 1301 English Composition I HIST 1301 History of the U. S. to 1877 MATH 2413 Calculus I CHEM 1311 General Chemistry I CHEM 1111 General Chemistry I Laboratory EENG 1303 Object-Oriented Programming 17 hours	ENGL 1302 English Composition II HIST 1302 History of the U. S. since 1877 PLSC 2305 American National Politics MATH 2414 Calculus II PHYS 2325 University Physics I PHYS 2125 University Physics I Laboratory 17 hours
Semester 3	Semester 4
MATH 2415 Calculus III PHYS 2326 University Physics II PHYS 2126 University Physics II Laboratory MATH 3310 Linear Algebra EENG 2320 Foundations of Elect. Engineering PLSC 2306 State and Local Politics 17 hours	EENG 3373 Engineering Probability and Statistics MATH 3320 Differential Equations ENGR 2305 Fundamentals of Circuit Analysis EENG 2105 Fundamentals of Circuits Lab EENG 2305 Digital Circuits Design EENG 2110 Digital Circuits Laboratory 14 hours
Semester 5	Semester 6
EENG 3303 Electromagnetic Fields EENG 3380 Signals and Systems EENG 3304 Electric Circuits II COMM 1314 Intro to Public Speaking EENG 3306 Electronic Circuits Analysis I EENG 3106 Electronic Circuits Analysis I Lab 16 hours	EENG 3309 Electronic Circuits Analysis II EENG 4340 Control Systems EENG 3307 Microprocessors EENG 4330 Electric Machines ENGR 4195 Professional Practice ENGL 23xx Language/Philosophy/Cultural Course 16 hours
Semester 7	Semester 8

EENG 4325 Communication Theory
Visual/Performing Arts (3 credit hours)
EENG 4310 Electric Power Systems
EENG 4110 Electric Power Systems Laboratory
EENG 3314 Power Electronics
EENG 43xx Technical Elective

16 hours

EENG 4460 Senior Design
EENG 43xx Technical Elective
EENG 43xx Technical Elective
Social and Behavioral Science (3 credit hours)

13 hours

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