

	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, and Physics courses. • Enroll in 17 credit hours in Fall semester and 15 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 and Chemistry courses. • Enroll in 15 credit hours in Fall semester and 16 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 Chemical Engineering courses • Enroll in 15 credit hours in Fall semester and 17 credit hours in spring semester. 	<ul style="list-style-type: none"> • Meet with your Chemical 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 Chemical Engineering courses • Complete capstone senior design course in chemical engineering • Enroll in 17 credit hours in Fall semester and 14 credit hours in Spring semester. 	<ul style="list-style-type: none"> • Meet with your Chemical 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

Skills Learned Upon Graduation	Career Opportunities
<ul style="list-style-type: none"> •Leadership •Problem-solving •Communication •Critical Thinking •Collaboration •Confidence •Global Awareness •Teamwork •Volunteering 	<ul style="list-style-type: none"> • Energy (Oil & Gas) • Chemicals • Environmental •Biotechnology • Food Industry • Pharmaceutical • Manufacturing • Materials
College of Engineering Engineering Building, Room 3.100C (432) 552-3430	

	Bachelor of Science in Chemical Engineering College of Engineering Degree Map 2019 - 2020
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Education Requirements

Semester 1	Semester 2
ENGL 1301 English Composition I PLSC 2305 American National Politics MATH 2413 Calculus I CHEM 1311 General Chemistry I CHEM 1111 General Chemistry Lab I COMM 1315 Communication 17 HOURS	CHEM 1312 General Chemistry II CHEM 1112 General Chemistry Lab II CENG 2333 Elementary Chemical Engineering MATH 2414 Calculus II PHYS 2325 University Physics I PHYS 2125 University Physics Lab I 15 HOURS
Semester 3	Semester 4
MATH 2415 Calculus III PHYS 2326 University Physics II PHYS 2126 University Physics Lab II ENGL 1302 Composition II CHEM 3311 Organic Chemistry I CHEM 3111 Organic Chemistry Lab I 15 HOURS	ARTS Arts Elective (3 credit hours) MATH 3320 Differential Equations MATH 3301 Statistics Social Science Elective (3 credit hours) CHEM 3312 Organic Chemistry II CHEM 3114 Organic Chemistry Lab II 17 HOURS
Semester 5	Semester 6
ENGR 3375 Intro to Thermodynamics CENG 3304 Chem. Engr. Fluid Oper. CENG 3320 Chem. Eng. Analysis CENG 3313 Heat Transfer Operations CENG 4324 Chem. Engr. Mass Transfer 15 HOURS	CENG 3354 Chem. Engr. Thermodynamics HIST 1301 US history to 1877 ENGR 3303 Intro to Materials Science CENG 4372 Chem. Engr. Kinetics CENG 4355 Process Safety Engineering CENG 3211 Chemical Engr. Lab I 17 HOURS
Semester 7	Semester 8
PLSC 2306 State and Local Politics CENG 4361 Process Dynamics & Control ENGL 2000 level Lan/Phil/Cultural Course CENG 4369 Gas & Petro Processing CENG 4300 level Technical Elective CENG 4211 Chemical Engr. Lab II 17 HOURS	PENG 3326 Engineering Economics HIST 1302 US History since 1877 ENGR 4195 Professional Practice CENG 4300 level Technical Elective CENG 4410 Senior Design 14 HOURS

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