

	Your Class Schedule	Academic Advising	Enriching Experiences	Lifelong Success
Freshman	• 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.	• Participate in New Student Orientation • Meet with your Academic Advising Center Freshman Advisor before registration. • Ask you Advisor about the College of Engineering recommended core courses for your degree plan.	Prioritize Your Wellness • Participate in campus recreation • Attend Financial Literacy seminars • Form healthy study habits Build Your Community • Use FalconLink & attend Club Day • Volunteer • Attend campus events Explore Your World • Attend an athletics event, musical performance, or visit the art gallery	Build Your Brand • Draft your resume • Register for the Job Board Craft Your Future • Explore career options • Have coffee with a faculty member • Be an active participate in Directed Observations
Sophomore	• Complete core courses recommended for your degree plan • Complete Physics II and Fundamentals of Circuits Analysis courses. • Enroll in 18 credit hours in Fall semester and 18 credit hours in Spring semester.	• Meet with your Academic Advising Center Advisor before registration. • Ask your Advisor about the College of Engineering recommended core courses for your degree plan.	Prioritize Your Wellness • Enjoy outdoor spaces on campus Build Your Community • Join an organization • Explore campus leadership (SGA, Orientation Leader, Resident Asst.) • Seek to attend professional meetings and seminars Explore Your World • Consider study abroad • Attend a lecture series	Build Your Brand • Update your resume • Join LinkedIn • Consider student employment Craft Your Future • Participate in mock interviews • Attend an internship/career fair • Be an active participant in clinical practicum courses
Junior	• Focus on the technical courses required for Computer Engineering degree • Enroll in 13 credit hours both in Fall and spring semesters.	• Meet with your Computer Engineering Academic Advisor before registration.	Prioritize Your Wellness • Attend a health fair Build Your Community • Run for organization officer role • Apply to be a Falcon Ambassador • Seek to attend professional meetings and seminars Explore Your World • Consider study abroad • Participate in service learning	Build Your Brand • Update your resume • Conduct research with faculty Craft Your Future • Search for internships or fellowships • Be an active participant in clinical practicum courses
Senior	• Focus on the technical courses required for Computer Engineering degree • Enroll in 13 credit hours in Fall semester and 17 credit hours in Spring semester.	• Meet with your Computer Engineering Academic Advisor before registration. • Discuss senior design projects with your advisor. • Consult with your faculty advisor to apply for graduation.	Prioritize Your Wellness • Attend financial literacy seminars Build Your Community • Attend your ring ceremony • Join Alumni Association upon graduation • Seek to attend professional meetings and seminars Explore Your World • Ask your clinical preceptor about opportunities to view surgery	Build Your Brand • Update your resume • Present research Craft Your Future • Participate in an internship or fellowship • Be an active participant in clinical practicum courses • Apply for jobs
Skills Learned Upon Graduation			Career Opportunities	
•Leadership •Problem-solving •Communication •Critical Thinking •Collaboration •Confidence •Global Awareness •Teamwork •Volunteering			• Computer Hardware Engineer • Validation/Test Engineer • Embedded Systems Engineer • Aerospace, Automotive, Manufacturing, Oil and Gas • NASA, Department of Defense	
College of Engineering and Sciences Dean’s Office – ENG 2202 432-552-3434 https://www.utpb.edu/academics/programs/computer-engineering/bs-computer-engineering				

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 COSC 2430 - Intro to Computer Science II PLSC 2306 - State and Local Politics 18 hours	COSC 2420 - C Programming COSC 3312 - Discrete Mathematics MATH 3320 - Differential Equations ENGR 2305 - Fundamentals of Circuit Analysis EENG 2105 - Fundamentals of Circuits Lab EENG 2310 - Digital Circuits Design EENG 2110 - Digital Circuits Laboratory 18 hours
Semester 5	Semester 6
COSC 3310 - Computer Organization COSC 3315 - Info. Systems and Security EENG 3306 - Electronic Circuits Analysis I EENG 3106 - Electronic Circuits Analysis I Lab COMM 1314 - Intro to Public Speaking 13 hours	Social and Behavioral Science (3 credit hours) EENG 3309 - Electronic Circuits Analysis II EENG 3307 - Microprocessors COSC 3420 - Data Structures 13 hours
Semester 7	Semester 8
EENG 4302 - Digital Systems Visual/Performing Arts (3 credit hours) ENGL 23xx Language/Philosophy/Cultural Course EENG 3380 - Signals and Systems ENGR 4195 - Professional Practice 13 hours	EENG 4340 - Control Systems COSC 4460 - Software Engineering EENG 3373 - Engineering Probability & Statistics COSC 4370 - Data Communications EENG 4460 - Senior Design 17 hours