

FRESHMAN YEAR												
First Semester		Sem				Second Semester		Sem				
		Hr	Gr	Yr	Tr			Hr	Gr	Yr	Tr	
MATH 2413	Cal. I(Pre-Req: Math 1316 or Math 1511) - Univ. Math Core (3 hours)	4				ENGL 1301	Freshman Composition I - Univ. Comm. Core	3				
COMM 1311	Fundamentals of Speech Comm. - Compo. Area TWO. Must be taken	3				MATH 2414	Calculus with Analytic Geometry II (Pre-Req: Math 2413)	4				
CHEM 1303	Science Course- Univ Life & Phy Sci core	3					#Global Awareness- Select one NOT completed for Univ. Soc. & Beh. Sci. Core	3				
CHEM 1111	Science Course Lab	1										
COMP 1101	Intro to Engr. & CS Tech. Co-Req:COMP 1101-P81	1				COMP 1337	Computer Science II (Pre-Req: COMP 1336 & 1121. Pre/Co-Req: MATH 2413 and COMP 1122)	3				
COMP 1336	Computer Science I – Pre/Co-Req: (MATH 1316 or MATH 1511). Co- Req:COMP 1121.	3				COMP 1122	Computer Science Laboratory II Pre- Req: COMP 1336 & 1121. Pre/Co-Req: MATH 2413 and COMP 1337)	1				
COMP 1121	Computer Science Laboratory I - Pre/Co-Req: (MATH 1316 or MATH 1511). Co-Req: COMP 1336	1										
Total		16				Total		14				
SOPHOMORE YEAR												
First Semester		Sem				Second Semester		Sem				
		Hr	Gr	Yr	Tr			Hr	Gr	Yr	Tr	
COMP 2336	Data Structures Pre-Req: COMP 1337 and COMP 1122	3				HIST 1301	U.S. TO 1876 - Univ. Hist core	3				
COMP	CS Elective (Lower or Upper)	3				COMP 2319	Computer Organization Pre-Req: COMP 1337 and COMP 1122	3				
COMP 2310	Discrete Structures Pre-Req: COMP 1377 and COMP 1122	3				MATH 3302	Probability and Statistics Pre-Req: MATH 2414	3				
ENGL 2311	Technical Writing(Pre-Req: ENGL 1301) - Univ. Comm. Core	3					#Social and Behavioral Sciences - Univ. Soc. & Beh. Sci. Core	3				
PHYS 2325	Science Course*-Uni. Life & Phy. Sci core	3					#Science Course* Uni. Life & Phy. Sci core	3				
PHYS 2125	Science Course Lab*	1					#Science Course Lab*	1				
Total		16				Total		16				
JUNIOR YEAR												
First Semester		Sem				Second Semester		Sem				
		Hr	Gr	Yr	Tr			Hr	Gr	Yr	Tr	
POSC 2305	American Government I -Univ. Gov core	3				HIST 1302	The U.S. 1876 to Present -Univ. Hist core	3				
MATH 3307	Linear Algebra Pre-Req: MATH2414	3				COMP 3305	Analysis of Algorithms Pre-Req: COMP 2336 & COMP 2310	3				
COMP 3306	Operating Systems Pre-Req: COMP 2336 & COMP 2319	3				COMP 3332	Cryptography Pre-Req: COMP 2310	3				
COMP 3395	Database Management Pre-Req: COMP 2336	3				COMP 3322	Software Engineering Pre-Req: COMP 2336	3				
Concentration elective	Choose from COMP 2313 Info Sec, 3331 Info Privacy, 4332 Mobile Sec	3				COMP 4312	Computer Networks Pre-Req: COMP 3306	3				
Total		15				Total		15				
SENIOR YEAR												
First Semester		Sem				Second Semester		Sem				
		Hr	Gr	Yr	Tr			Hr	Gr	Yr	Tr	
COMP 4100	Ethics and Soc. Issues in Computing Pre-Req: Senior Standing. Co-Req: COMP 4207	1				COMP 4208	Senior Design Project II Pre-Req: COMP 4207	2				
COMP 4207	Senior Design Project I (Pre-Req: COMP 3305, 3306, 3322, 3395 Co-Req: COMP 4100)	2				COMP 4311	Programming Languages Pre-Req: COMP 2336	3				
COMP 4331	Computer Forensic Pre-Req: COMP 3306	3				COMP 4323	Network Security Pre-Req: COMP 4312	3				
COMP 4306	Artificial Intelligence Pre-Req: COMP 2336 & MATH 3302	3				COMP 4333	Ethical Hacking & Penetration Test. Pre-Req: COMP 3306 & COMP 4312	3				
POSC 2306	American Gov. II -Univ. Gov core	3					#Lang, Phil, and Culture -Univ. Core <see reverse side>	3				
	#Creative Arts - Univ. Core <see reverse side>	3										
Total		15				Total		14				
# Please refer Degree Works before registering the student in this category.												

UNIVERSITY CORE, CS ELECTIVES, AND CS MINOR (2025 CATALOG)

• CREATIVE ARTS – *CHECK DEGREE WORKS BEFORE REGISTERING STUDENT IN THIS CATEGORY.*

ARCH 1303	Arch Design I	DRAM 1310	Intro To Theater	MUSC 1306	Music in Contemporary Life
ARTS 1301	Art Appreciation	DRAM 2322	African American Theater II	MUSC 2333	Afro-American Music
ARTS 2328	Afro-American Art	HCOL 1321	Honors Colloquium II	MUSC 2334	Survey of World Music
COMM 2300	Media Literacy	MUSC 1303	Fund Of Music		

• LANGUAGE, PHILOSOPHY AND CULTURE-*CHECK DEGREE WORKS BEFORE REGISTERING STUDENT IN THIS CATEGORY.*

ARCH 1301	Architectural History I	ENGL 2334	Studies In Lit	PHIL 2306	Ethics
ARCH 1302	Architectural History II	ENGL 2341	Intro. To Literature	SPAN 2311	Intermediate Spanish I
ARTS 1303	Art History I	HUMA 1301	Intro to Humanities	SPAN 2312	Intermediate Spanish II
ARTS 1304	Art History II	HUMA 1305	Mexican American Culture		
ENGL 2331	Survey of World Lit	PHIL 2303	Critical Thinking		

• SOCIAL&BEHAVIORAL SCIENCES OPTIONS-*CHECK DEGREE WORKS BEFORE REGISTERING STUDENT IN THIS CATEGORY.*

AFAM 1301	Race class & Gender in America	FINA 2313	Financial Plan. Global Pers.	POSC 2321	Blacks / Pol. Sys.
AGHR 1330	Land Grant Sys &Food Sec	GEOG 1302	Intro To Geography	POSC 2350	Global Issues
CHEG 2308	Eco Anal Technical Appl.	HDFM 2351	Childhood Disorders	PSYC 2301	General Psychology
CRJS 1301	Intro. To Criminal Just.	HDFM 2353	Contem. Family	PSYC 2308	Child Psychology
CRJS 1307	Crime in America	HDFM 2355	Life Span Development	PSYC 2316	Psychology of Personality
ECON 1301	Fund. Of Econ in a Global	HIST 2321	World Civil. I	SOCG 1301	General Sociology
ECON 2301	Principle Of Macroecon.	HIST 2322	World Civil. II	SOCG 1306	Social Problems
ECON 2302	Principle Of Microecon.	MGMT 2326	Leadership in a Global Envi.	SOCG 2319	Sociology Of Minorities

• GLOBAL AWARENESS- *CHECK DEGREE WORKS BEFORE REGISTERING STUDENT IN THIS CATEGORY.*

Select one course from this list not completed for the Social & Behavioral Sciences area above

AGHR 1330	Land Grant Sys &Food Sec	HIST 2321	World Civil. I
CHEG 2316	Ethical Engineering in a Global Society	HIST 2322	World Civil. II
CURR 2300	Global Influence on Teach Education	MGMT 2326	Leadership in a Global Envi.
CVEG 2304	Global Development Issues	POSC 2350	Global Issues
ECON 1301	Fund. Of Econ in a Global	SOCG 1306	Social Problems
FINA 2313	Financial Plan. Global Pers.		

• COMPUTER SCIENCE ELECTIVES (2000 – LOWER 3000 & 4000 - UPPER)

Course #	Course Desc.	Prerequisite	Course #	Course Desc.	Prerequisite
COMP 2300	Intro. to Web Design & MM	Consent Of Advisor	COMP 4307(1-3)	Special Topics	Consent of Inst.
COMP 2302	Appl. Development using C#	COMP 1315,or1336 or HS Prog.	COMP 4314	Parallel Computing	COMP 2336&COMP 2310
COMP 2314	Introduction to Java	Consent Of Advisor.	COMP 4315	Data Mining & Analytics	MATH 3302
COMP 2315	Python Programming Lang.	COMP 1337 and COMP 1122	COMP 4316	Machine Learning	COMP2336 &MATH 3302
COMP 3301	Embedded System	COMP 1337 and COMP 1122	COMP 4318	Information Reteival	COMP2336 &MATH 3302
COMP 3311	Intro. To Data Science	COMP 1337 and COMP 1122	COMP 4384	Human-Comp. Inter.	COMP 3322
COMP 3321	Graphics & Visual Computing	COMP 2336	COMP 4399	Independent Study	
COMP 3333	Smart Device App. Dev.	COMP 2336			
COMP 3343	Internet of Things	COMP 2336			

• ELIGIBILITY TO TAKE UPPER DIVISION COLLEGE COURSES

The College of Engineering requires an eligibility standard for the students to take upper division college courses. Students in Computer Science Program must get a C or better in each of the Math, Science, English, and Computer Science courses to be eligible to enroll in upper division (3000 or 4000 level) courses in the College. Students transferring to the College of Engineering with 60 or more semester hours from another institution will be allowed a period of one semester to comply.

• REQUIREMENTS FOR COMPUTER SCIENCE AS A MINOR FIELD.....31 SCH

COMP 1336, 1121, 1337,1122, 2336, 2310 and 9 semester hours of upper-division courses.....23 SCH
MATH 2413, 2414.....8 SCH