B.S. in COMPUTER ENGINEERING (2022-2023 Catalog)

Student _____   **UTD ID** _____

MAJOR PREPARATORY REQUIREMENTS*

LD	UD	NOTES	COURSE TITLE	COURSE #	GRADE	SEM	INFO
1		1,4,6	Intro to Engineering and CS	ECS 1100			
1		1,4,6	Intro to Electrical and Computer Engineering	CE 1100			
2		1,6	Intro to Computer Engineering II	CE 1202			
3		2,6	Programming Fundamentals	CS 1336			
1		6	Computer Science Laboratory	CS 1136			
3		2,6	Computer Science I	CE 1337			
3		2,6	Computer Science II	CE 2336 or 2337			
3		1,6	Introduction to Digital Systems	CE 2310			
3		2,6	Discrete Mathematics for Computing I	CE 2305			
3		1,6	Linear Algebra for Engineers	ENGR 2300			
4		1,3,6	Integral Calculus or Calculus I	MATH 2414 or 2417			
4		1,3,6	Calculus of Several Variables or Calculus II	MATH 2415 or 2419			
4		1,6	Differential Equations w/ Applications	MATH 2420			
3		1,3,6	Mechanics	PHYS 2325			
1		1,3,6	Physics Laboratory I	PHYS 2125			
3		1,3,6	Electromagnetism and Waves	PHYS 2326			
1		1,6	Physics Laboratory II	PHYS 2126			
43	0						

MAJOR CORE REQUIREMENTS*

LD	UD	NOTES	COURSE TITLE	COURSE #	GRADE	SEM	INFO
	1	1	Social Issues and Ethics in Engineering	CE 3161			
	2	1	CE Fundamentals Lab I	CE 3201			
	2	1	CE Fundamentals Lab II	CE 3202			
	2	1	CE Elective Lab	click to view options			
	3	1	Electrical Network Analysis	CE 3301			
	3	1	Discrete-Time Signals and Systems	CE 3303			
	3	1	Electronic Circuits	CE 3311			
	3	1	Digital Circuits	CE 3320			
	3	1	Probability Theory & Statistics	ENGR 3341			
	3	1	Data Structures & Intro to Algorithmic Analysis	CE 3345			
	3	1	Software Engineering	CE 3354			
	3	1	Computer Architecture	CE 4304			
	3	1	Operating Systems Concepts	CE 4348			
	3	1	Embedded Systems	CE 4370			
	3	1	Senior Design Project I	CE 4388			
	3	1	Senior Design Project II	CE 4389			
	3	1	CE Guided Electives	click to view options			
	3	1	CE Guided Electives	click to view options			
	3	1	CE Guided Electives	click to view options			
	3	1,3	Professional & Technical Communication	ECS 3390			
0	55						

REMAINING CORE CURRICULUM

LD	UD	NOTES	COURSE TITLE	COURSE #	GRADE	SEM	INFO
3		6	Communication (Core: 010)	RHET 1302			
3		6	Government/ Political Science (Core: 070)	GOVT 2305			
3		6	Government/ Political Science (Core: 070)	GOVT 2306			
3		6	American History (Core: 060)	click to view options			
3		6	American History (Core: 060)	click to view options			
3		6	Language, Philosophy and Culture (Core: 040)	click to view options			
3		6	Creative Arts (Core: 050)	click to view options			
3		6	Social Behavioral Science (Core: 080)	click to view options			
24	0						

ELECTIVES (0 hours with Math 2413 credit) (4 hours with Math 2417 credit)

LD	UD	NOTES	COURSE TITLE	COURSE #	GRADE	SEM	INFO
3		6	Free Elective or Math 2413 [1,3]				
1		6	Free Elective or Math 2413 [1,3]				
0		4	Freshmen Seminar	UNIV 1010			
0		5	Core Curriculum Assessment	UNIV 2020			
4							
71	55		**Total Hours_____126 hours required for graduation. Must include minimum 51 hours as Upper Division.***				

NOTES

1. Major requirement. Must earn C- or better to receive credit. I 2.Must earn a C or better to receive credit. I 3.Course meets both Major and CORE requirement.

4. Incoming freshmen (FTIC) must enroll and complete requirements of UNIV 1010 and the corresponding school-related freshmen seminar course. Transfer students may be required to compelte an additional upper level (3000 or 4000) CE course substitution.

5. All students, including transfer students, who complete their core curriculum at UT Dallas must take UNIV 2020. I * Included in Major GPA

6. Most lower division (LD) coursework can be taken at a community college and transferred. See the online transfer plan for course equivlents.

*** Must have a minimum cumulative 2.0 GPA in all UTD coursework and a cumulative 2.0 GPA in all Major requirements to graduate. Students must also complete 45 hours in residence and complete 24 of the last 30 hours at UTD. No off-campus coursework in the last semester allowed.