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

Student _____   **UTD ID** _____

MAJOR PREPARATORY REQUIREMENTS*

LD	UD	NTS	COURSE TITLE	COURSE #	GRADE	SEM	INFO
1		3,4,6	Intro to Engineering and CS	ECS 1100			
2		3,4,6	Intro to CS and SE	CS 1200			
3		1,6	Programming Fundamentals	CS 1336			
1		3,6	Computer Science Laboratory	CS 1136			
3		1,6	Computer Science I	CS 1337			
3		1,6	Discrete Mathematics for Computing I	CS 2305			
3		1,6	Computer Science II	CS 2336 or 2337			
3		3,6	Computer Architecture	CS 2340			
4		2,6	Calculus I	MATH 2413 or 2417			
4		3,6	Calculus II	MATH 2414 or 2419			
4		3,6	Linear Algebra	MATH 2418			
3		3,6	Mechanics	PHYS 2325			
1		3,6	Physics Laboratory I	PHYS 2125			
3		3,6	Electromagnetism and Waves	PHYS 2326			
1		3,6	Physics Laboratory II	PHYS 2126			
39	0						

MAJOR CORE REQUIREMENTS*

LD	UD	NTS	COURSE TITLE	COURSE #	GRADE	SEM	INFO
	1	3	Professional Responsibility in CS/SE	CS 3162			
	3	1	Discrete Math for Computing II	CS 3305			
	3	3	Probability & Statistics in CS/SE	CS 3341			
	3	3	Data Structures & Intro to Algorithmic Analysis	CS 3345			
	3	3	Software Engineering	CS 3354			
	3	3	C/C++ Programming in a UNIX Envirn	CS 3377			
	3	3	Organization of Programming Lang	CS 4337			
	3	3	Digital Logic and Computer Design	CS 4341			
	1	3	Digital Systems Laboratory	CS 4141			
	3	3	Database Systems	CS 4347			
	3	3	Operating Systems Concepts	CS 4348			
	3	3	Adv Algorithm Design & Analysis	CS 4349			
	3	3	Automata Theory	CS 4384			
	4	3	Computer Science Project	CS 4485			
	3	3	CS Guided Elective	CS 43XX			
	3	3	CS Guided Elective	CS 43XX			
	3	3	CS Guided Elective	CS 43XX			
	3	3	Professional & Technical Communication	ECS 3390			
	51						

REMAINING CORE CURRICULUM

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

ELECTIVES (10 Hours)

LD	UD	NTS	COURSE TITLE	COURSE #	GRADE	SEM	INFO
3		3,6	Free Elective				
3		3,6	Free Elective				
3		3,6	Free Elective				
1		3,6	Free Elective				
0		4	Freshmen Seminar	UNIV 1010			
0		5	Core Curriculum Assessment	UNIV 2020			
10							
73	51		**Total Hours_____ 124 hours required for graduation. Must include 51 hours as Upper Division.***				

N O T E S	1.Must earn a C or better to receive credit. I 2. Must earn a C- or better to receive credit. I 3. Must earn a D- or better to receive credit.
	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) CS/SE 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 courses in the last semester allowed.