B.S. in COMPUTER SCIENCE (2021-2022 Catalog)

Student _____   **UTD ID** _____

MAJOR PREPARATORY REQUIREMENTS

LD	UD	NTS	COURSE TITLE	COURSE #	GRADE	SEM	INFO
1		7	Intro to Engineering and CS	ECS 1100			
2			Intro to CS and SE	CS 1200			
3		1	Programming Fundamentals	CS 1336			
1			Computer Science Laboratory	CS 1136			
3		1	Computer Science I	CS 1337			
3		1	Discrete Mathematics for Computing I	CS 2305			
3		1	Computer Science II	CS 2336 or 2337			
3			Computer Architecture	CS 2340			
4		2,3	Calculus I	MATH 2413 or 2417			
4		2,3	Calculus II	MATH 2414 or 2419			
4			Linear Algebra	MATH 2418			
3		2	Mechanics	PHYS 2325			
1		2	Physics Laboratory I	PHYS 2125			
3		2	Electromagnetism and Waves	PHYS 2326			
1			Physics Laboratory II	PHYS 2126			
39	0						

MAJOR CORE REQUIREMENTS

LD	UD	NTS	COURSE TITLE	COURSE #	GRADE	SEM	INFO
	1		Professional Responsibility in CS/SE	CS 3162			
	3	1	Discrete Math for Computing II	CS 3305			
	3		Probability & Statistics in CS/SE	CS 3341			
	3		Data Structures & Intro to Algorithmic Analysis	CS 3345			
	3		Software Engineering	CS 3354			
	3		C/C++ Programming in a UNIX Envirn	CS 3377			
	3		Organization of Programming Lang	CS 4337			
	3		Digital Logic and Computer Design	CS 4341			
	1		Digital Systems Laboratory	CS 4141			
	3		Database Systems	CS 4347			
	3		Operating Systems Concepts	CS 4348			
	3		Adv Algorithm Design & Analysis	CS 4349			
	3		Automata Theory	CS 4384			
	4		Computer Science Project	CS 4485			
	3		CS Guided Elective	CS 43XX			
	3		CS Guided Elective	CS 43XX			
	3		CS Guided Elective	CS 43XX			
	3	2	Professional & Technical Communication	ECS 3390			
	51						

REMAINING CORE CURRICULUM

LD	UD	NTS	COURSE TITLE	COURSE #	GRADE	SEM	INFO
3			Rhetoric	RHET 1302			
3			American National Government	GOVT 2305			
3			State and Local Government	GOVT 2306			
3		4	US History Survey to Civil War (Core: 060)	HIST 1301			
3		4	US History Survey from Civil War (Core: 060)	HIST 1302			
3		4	Exploration of the Humanities (Core: 040)	HUMA 1301			
3		4	Exploration of the Arts (Core: 050)	ARTS 1301			
3		4	Social Behavioral Science (Core: 080)	PSY 2301			
24							

ELECTIVES (10 Hours - Requires Approval from Advisor)

LD	UD	NTS	COURSE TITLE	COURSE #	GRADE	SEM	INFO
3		5,6	Free Elective				
3		5,6	Free Elective				
3		5,6	Free Elective				
1		5,6	Free Elective				
0		7	Freshmen Seminar	UNIV 1010			
0		8	Core Curriculum Assessment	UNIV 2020			
10							
73	51						

Total Hours_____   124 hours required for graduation. Must include 51 hours as Upper Division.**

NOTES

1. Major Requirement: Must earn a C or better to receive credit.	2. Course meets both Major and CORE requirement.
3. Must take Math 2413/2414 *or* Math 2417/2419.	4. Other course options available. See Advisor for details.
5. A maximum of 3 PHIN credits is allowed on any UTD degree plan.	6. Lower or upper division courses may count as free electives.
7. Incoming freshmen (FTIC) must enroll and complete requirements of UNIV 1010 and the corresponding school-related freshmen seminar course.	8. All students, including transfer students, who complete their core curriculum at UT Dallas must take UNIV 2020.

*** 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.