

B.S. in COMPUTER ENGINEERING (2018-2019 Catalog)

Student _____ UTD ID _____

Advisor: _____ ___Fast Track ___Minor ___DbI Major/Degree
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Other:

MAJOR PREPARATORY REQUIREMENTS

LD	UD	NTS	COURSE TITLE	COURSE #	GRADE	SEM	INFO
1		1,8	Introduction to Engineering and CS	ECS 1100			
1		1	Introduction to Computer Engineering	CE 1100			
2		1	Introduction to Electrical Engineering II	CE 1202			
3		2	Computer Science I	CE 1337			
3		2	Computer Science II	CE 2336			
3		1	Introduction to Digital Systems	CE 2310			
3		2	Discrete Mathematics for Computing I	CE 2305			
3		1	Linear Algebra for Engineers	ENGR 2300			
4		1,3,4	Calculus I	MATH 2414 or 2417			
4		1,3,4	Calculus II	MATH 2415 or 2419			
4		1	Differential Equations w/ Applications	MATH 2420			
3		1,3	Mechanics	PHYS 2325			
1		1,3	Physics Laboratory I	PHYS 2125			
3		1,3	Electromagnetism and Waves	PHYS 2326			
1		1	Physics Laboratory II	PHYS 2126			
39							

MAJOR CORE REQUIREMENTS* (*Courses in this block used to calculate major GPA)

	3	1	Advanced Engineering Math	ENGR 3300*			
	3	1	Electrical Network Analysis	CE 3301*			
	1	1	Electrical Network Analysis Lab	CE 3101*			
	3	1	Signals and Systems	CE 3302*			
	1	1	Signals and Systems Lab	CE 3102*			
	3	1	Electronic Devices	CE 3310*			
	1	1	Electronic Devices Lab	CE 3110*			
	3	1	Electronic Circuits	CE 3311*			
	1	1	Electronic Circuits Lab	CE 3111*			
	3	1	Digital Circuits	CE 3320*			
	1	1	Digital Circuits Lab	CE 3120*			
	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	Organization of Programming Languages	CE 4337*			
	3	1	Operating Systems Concepts	CE 4348*			
	3	1	Embedded Microprocessor Systems	CE 4370*			
	3	1	Computer Networks	CE 4390*			
	3	1	Senior Design Project I	CE 4388*			
	3	1	Senior Design Project II	CE 4389*			
	3	1,3	Social Issues and Ethics in CS & E	ECS 3361*			
	3	1,3	Professional & Technical Communication	ECS 3390*			
	59						

REMAINING CORE CURRICULUM

3		1	Rhetoric	RHET 1302			
3			American National Government	GOVT 2305			
3			State and Local Government	GOVT 2306			
3		5	US History Survey to Civil War (Core: 060)	HIST 1301			
3		5	US History Survey from Civil War (Core: 060)	HIST 1302			
3		5	Exploration of the Humanities (Core: 040)	HUMA 1301			
3		5	Exploration of the Arts (Core: 050)	ARTS 1301			
21							

ELECTIVES (7 Hours - Requires Approval from Advisor)

3		6,7	Free Elective				
3		6,7	Free Elective				
1		6,7	Free Elective				
0		8	Freshmen Seminar	UNIV 1010			
0		9	Core Curriculum Assessment	UNIV 2020			
7							
67	59		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.	2. CS Requirement: Must earn a C or better to receive credit.
3. Course meets both Major and CORE requirement.	4. Must take Math 2413/2414/2415 or Math 2417/2419.
5. Other course options available. See advisor for details.	6. A maximum of 3 PHIN credits is allowed on any UTD degree plan.
7. Lower or upper division courses may count as free electives.	
8. Incoming freshmen (FTIC) must enroll and complete requirements of UNIV 1010 and the corresponding school-related freshmen seminar course.	
9. 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 coursework in the last semester allowed.	