

B.S. in ELECTRICAL ENGINEERING (2019-2020 Catalog)

Advisor: _____ ___Fast Track ___Minor ___Dbl Major/Degree _____

Other: _____

Student _____ UTD ID _____

MAJOR PREPARATORY REQUIREMENTS

LD	UD	NTS	COURSE TITLE	COURSE #	GRADE	SEM	INFO
1		1,7	Introduction to Engineering and CS	ECS 1100			
1		1	Introduction to Electrical Engineering I	EE 1100			
2		1	Introduction to Electrical Engineering II	EE 1202			
3		1,4	Introduction to Programming	CS 1325			
3		1	Introduction to Digital Systems	EE 2310			
3		1	Linear Algebra for Engineers	ENGR 2300			
4		1,2,3	Calculus I	MATH 2414 or 2417			
4		1,2,3	Calculus II	MATH 2415 or 2419			
4		1	Differential Equations w/ Applications	MATH 2420			
3		1,2	Mechanics	PHYS 2325			
1		1,2	Physics Laboratory I	PHYS 2125			
3		1,2	Electromagnetism and Waves	PHYS 2326			
1		1	Physics Laboratory II	PHYS 2126			
3		1	General Chemistry I	CHEM 1311			
1		1	General Chemistry Lab I	CHEM 1111			
37							

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

	2	1	Fundamentals I	EE 3201			
	2	1	Fundamentals II	EE 3202			
	3	1	Advanced Engineering Math	ENGR 3300*			
	3	1	Electrical Network Analysis	EE 3301*			
	3	1	Signals and Systems	EE 3302*			
	3	1	Electronic Devices	EE 3310*			
	3	1	Electronic Circuits	EE 3311*			
	3	1	Digital Circuits	EE 3320*			
	3	1	Probability Theory & Statistics	ENGR 3341*			
	2	1	EE Elective Lab	EE 420x			
	3	1	Electromagnetic Engineering I	EE 4301*			
	3	1	Systems and Controls	EE 4310*			
	3	1	Senior Design Project I	EE 4388*			
	3	1	Senior Design Project II	EE 4389*			
	3	1	EE Guided Elective	EE 43XX*			
	3	1	EE Guided Elective	EE 43XX*			
	3	1	EE Guided Elective	EE 43XX*			
	3	1	EE Guided Elective	EE 43XX*			
	3	1	EE Guided Elective	EE 43XX*			
	3	1,2	Social Issues & Ethics in Science/Technology	ECS 2361*			
	3	1,2	Professional & Tech Communication	ECS 3390*			
3	57						

REMAINING CORE CURRICULUM

3		1	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			
21							

ELECTIVES (10 Hours - Requires Approval from Advisor)

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							
71	57		Total Hours _____				128 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. Course meets both Major and CORE requirement.
3. Must take Math 2413/2414/2415 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.	