

**B.S. in ELECTRICAL ENGINEERING (2021-2022 Catalog)**

Student \_\_\_\_\_

UTD ID \_\_\_\_\_

**MAJOR PREPARATORY REQUIREMENTS**

LD	UD	NTS	COURSE TITLE	COURSE #	GRADE	SEM	INFO
1		1,7	Intro to Engineering and CS	ECS 1100			
1		1	Intro to Electrical and Computer Engineering	EE 1100			
2		1	Intro to Electrical Engineering II	EE 1202			
3		1,4	Intro to Programming	CS 1325			
3		1	Intro 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	0						

**MAJOR CORE REQUIREMENTS**

	1	1	Social Issues and Ethics in Engineering	EE 3161			
	2	1	EE Fundamentals Lab I	EE 3201			
	2	1	EE Fundamentals Lab II	EE 3202			
	2	1	EE Elective Lab	EE 420x			
	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			
	3	1	Electromagnetic Engineering I	EE 4301			
	3	1	Systems and Controls	EE 4310			
	3	1	Embedded Systems	EE 4370			
	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	1,2	Professional & Tech Communication	ECS 3390			
0	58						

**REMAINING CORE CURRICULUM**

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)	ECON 2301			
24	0						

**ELECTIVES (9 Hours - Requires Approval from Advisor)**

3		5,6	Free Elective				
3		5,6	Free Elective				
3		5,6	Free Elective				
0		7	Freshmen Seminar	UNIV 1010			
0		8	Core Curriculum Assessment	UNIV 2020			
9	0						
70	58						

**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 <b>or</b> Math 2417/2419.	4. Other course options available. See advisor for details.
5. A maximum of 51 min 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.	