

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

Advisor: _____
 ___Fast Track
 ___Minor
 ___DbI Major/Degree

Other:

Student _____ UTD ID _____

MAJOR PREPARATORY REQUIREMENTS

LD	UD	NOTES	COURSE TITLE	COURSE #	GRADE	SEM	INFO
1		8	Intro to Engineering and CS	ECS 1100			
2			Intro to CS and SE	CS 1200			
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			
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			
3			Science Elective				
35							

MAJOR CORE REQUIREMENTS*

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

	1		Professional Responsibility in CS/SE	SE 3162*			
	3		Mathematics Foundations of SE	SE 3306*			
	3		Computer Architecture	SE 3340*			
	3		Probability & Statistics in CS/SE	SE 3341*			
	3		Data Structures & Int. to Algorithms	SE 3345*			
	3		Software Engineering	SE 3354*			
	3		C/C++ Programming in a UNIX Envir	SE 3377*			
	3		Database Systems	SE 4347*			
	3		Operating Systems Concepts	SE 4348*			
	3		Requirements Engineering	SE 4351*			
	3		Software Architecture & Design	SE 4352*			
	3		Software Testing, Verif, Valid, QA	SE 4367*			
	3		Software Project Planning & Mgmt.	SE 4381*			
	4		Software Engineering Project	SE 4485*			
	3	5	SE Guided Elective	SE/CS 43XX*			
	3	5	SE Guided Elective	SE/CS 43XX*			
	3	5	SE Guided Elective	SE/CS 43XX*			
	3	5	SE Guided Elective	SE/CS 43XX*			
	3	2	Social Issues & Ethics in Science/Technology	ECS 2361*			
	3	2	Prof & Tech Communication	ECS 3390*			
3	56						

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			
21							

ELECTIVES (8 Hours - Requires Approval from Advisor)

3		6,7	Free Elective				
3		6,7	Free Elective				
2		6,7	Free Elective				
0		8	Freshman Seminar	UNIV 1010			
0		9	Core Curriculum Assessment	UNIV 2020			
8							
67	56		Total Hours _____	123 hours required for graduation. Must include minimum 51 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. Must satisfy at least one Application Domain. 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 courses in the last semester allowed.	