Stude	B.S. in BIOMEDICAL ENGINEERING (2019-2020 Catalog) ent UTD ID					Advisor:Fast Track MinorDbl Major/Degree		Other:	
		·	MAJOR PREPARATOR		l				
LD	UD	NTS 1	Introduction to Programming for Riemodical Engre	COURSE # CS 1324	GRADE	SEM	IN	IFO	
<u>3</u>		1,2,3	Introduction to Programming for Biomedical Engrs 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					
3		1 1,4,5	Physics Laboratory II General Chemistry for Engineers <u>OR</u>	PHYS 2126 CHEM 1301 <u>OR</u>					
3		1,4,5	General Chemistry I <u>AND</u> General Chemistry II	CHEM 1311/1111 and CHEM 1312/1112					
3		1,4,5	Introductory Organic Chemistry for Engineers <u>OR</u> Organic Chemistry I <u>AND</u> Organic Chemistry II	CHEM 2324 <u>OR</u> CHEM 2323/2123 <u>and</u> CHEM 2325/2125					
3		1	Intro to Modern Biology I	BIOL 2311					
1		1	Intro to Modern Biology Workshop I	BIOL 2111					
2		1	Introductory Biology Laboratory	BIOL 2281					
35			MAJOR CORE REQUIREMENTS* (*Courses	in this block used to o	alculate	major GBA)			
1	1	1,6	Introduction to Engineering and Computer Science	ECS 1100*	aicuiale	major GPA)			
1		1,0	Introduction to Engineering and Computer Science	BMEN 1100*					
2		1	Introduction to Bioengineering II	BMEN 1208*					
3		1	Linear Algebra for Engineers	ENGR 2300*					
3		1	Statics	BMEN 2320*					
	3	1	Advanced Engineering Math	ENGR 3300*					
	4	1	Signals and Systems	BMEN 3402*					
	3	1	Electrical & Electronic Circuits in BMEN Biomedical Circuits & Instrumentation Lab	BMEN 3320* BMEN 3120*					
	3	1	Engineering Physiology of the Human Body	BMEN 3330*					
	1	1	Engineering Physiology Lab	BMEN 3130*					
	3	1	Probability Theory & Statistics	ENGR 3341*					
	3	1	Biomedical Component & System Design	BMEN 3350*					
	1	1	Biomedical Engineering Lab	BMEN 3150*					
	3	1	Thermodynamics & Physical Chemistry in BMEN	BMEN 3315*					
	3	1	Introductory Biomechanics Feedback Systems in Biomedical Engineering	BMEN 3399* BMEN 4310*					
	1	1	Biomedical Feedback Systems Lab	BMEN 4110*					
	3	1	Biomaterials and Medical Devices	BMEN 4360*					
	3	1	Senior Design Project I	BMEN 4388*					
	3	1	Senior Design Project II	BMEN 4389*					
	3	1	Major Prescribed Elective	BMEN 33XX/43XX*					
	3	1	Major Prescribed Elective	BMEN 33XX/43XX*					
2	3	1	Major Prescribed Elective Social Issues and Ethics in Science & Technology	BMEN 33XX/43XX* ECS 2361*					
3	3	1,2 1,2	Professional & Technical Communication	ECS 2301 ECS 3390*					
13	53	1,2	Professional & reclinical Communication	ECS 3390					
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) Exploration of the Arts (Core: 050)	HUMA 1301 ARTS 1301					
21		4	Exploration of the Arts (Core. 030)	AK13 1301					
ELECTIVES (0 Hours – Requires Approval from Advisor)									
0		6	Freshman Seminar	UNIV 1010	110017				
0		7	Core Curriculum Assessment	UNIV 2020					
0 69	0 53	Total Ho	ours 122 hours required for gradua		num 51 l	hours as Upp	er Division.	***	
	1. Major requirement. Must earn C- or better.* 2. Course meets both Major and Core requirements. 3. Must take Math 2413/2414/2415 or Math 2417/241								
ရှု	4. Other course options available. See Advisor for details 5. Must take Chem 1301/2324 or Chem 1311/1111, 1312/1112, 2323/2123, and 2325/2125 to satisfy.								
NOTES		ncoming freshman (FTIC) must enroll and complete requires of UNIV 1010 and the corresponding school-related freshman seminar course. Il students, including transfer students, who complete their core curriculum at UTD must take UNIV 2020.							
ž	***Mus	st have a mi	ave 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						