

Bioengineering Premed C 4 year Flowchart

1ST YEAR			2ND YEAR				3RD YEAR			4TH YEAR	
Fall	Spring	Summer	Fall	Spring	Summer	Fall	Spring	Summer	Fall	Spring	
General Chemistry I CHEM 1230 4 hrs	General Chemistry II CHEM 1240 4 hrs	Co-op Experience BIOE 3940 1 hr	Organic Chemistry I CHEM 2410 3 hrs	Organic Chemistry II CHEM 2420 3 hrs	Co-op Experience BIOE 3940 1 hr	Biochemistry I CHEM 3510 3 hrs	Biochemistry II CHEM 3520 3 hrs (optional)	Co-op Experience BIOE 3940 1 hr	Senior Design Project II BIOE 4420 3 hrs	Technical Writing ENGL 2950 3 hrs	
General Chem Lab I CHEM 1280 1 hr	General Chem Lab II CHEM 1290 1 hr		Organic Chem Lab I CHEM 2460 1 hr	Organic Chem Lab II CHEM 2470 1 hr		Biotransport Phenomena BIOE 3400 3 hrs	Senior Design Project I BIOE 4410 3 hrs		BIOE Technical Elective 3 hrs	BIOE Technical Elective 3 hrs	
Calculus I MATH 1850 4 hrs	Calculus II MATH 1860 4 hrs		Multivariate Calculus MATH 2850 4 hrs	Differential Equations MATH 2860 3 hrs		Bioprocessing Laboratory BIOE 3500 3 hrs	Intro to Biomechanics BIOE 3110 3 hrs		HUM/SS/MC Elective 3 hrs	HUM/SS/MC Elective 3 hrs	
English Composition ENGL 1110 3 hrs	Physics I PHYS 2130 5 hrs		Physics II PHYS 2140 5 hrs	Biomaterials BIOE 2200 3 hrs		Physiology for Bioengineers BIOE 4100 3 hrs	Biomedical Electronics BIOE 3300 3 hrs		HUM/SS/MC Elective 3 hrs	HUM/SS/MC Elective 3 hrs	
Orientation & Intro to BIOE BIOE 1000 3 hrs	Computer Applications BIOE 1200 3 hrs		Fund. Life Science II BIOL 2170 4 hrs	Cell Biology BIOL 3030 3 hrs		Electrical Circuits EECS 2300 4 hrs	Bioelectronics Laboratory BIOE 4140 2 hrs		Biosignal Processing BIOE 4120 3 hrs	HUM/SS/MC Elective 3 hrs	
	Professional Development BIOE 1010 1 hr		Fund. Life Science Lab II BIOL 2180 1 hr	Cell Biology Laboratory BIOL 3040 2 hrs		Statics CIVE 1150 3 hrs	Biomedical Quality Control BIOE 4300 3 hrs				
				BIOE Thermo- dynamics BIOE 2100 3 hrs							
15 hours	18 hours	1 hour	18 hours	18 hours	1 hour	19 hours	14-17 hours	1 hour	15 hours	15 hours	

Name: _____

Rocket ID: _____

Catalog Year: _____

CORE ELECTIVES *

US Diversity: _____

Non US Diversity: _____

Social Science: _____

Social Science: _____

Humanity: _____

Humanity: _____

*one double-dip allowed

revised 2/21/2019

HONORS STUDENTS REQUIREMENTS

US Diversity = HON 2010*

Social Science = HON 2010*

Humanity = HON 1010

HON 3010 and 27 total hours required