

Bioengineering Lourdes Flowchart

Fall	Spring	Fall	Spring	Summer	Fall	Spring	Summer	Fall	Spring	Summer	Fall	Spring
Calculus I MTH 135 4 hrs	Calculus II MTH 136 4 hrs	Multivariate Calculus MTH 235 4 hrs	Differential Equations MTH 305 3 hrs	Electrical Circuits EECS 2300 4 hrs	Orientation & Intro to BIOE BIOE 1000 3 hrs				Intro to Biomechanics BIOE 3110 3 hrs		Biosignal Processing BIOE 4120 3 hrs	
General Chemistry I CHM 181 4 hrs	General Chemistry II CHM 182 4 hrs	Cell Biology BIO 307 3 hrs	Professional Development BIOE 1010 1 hr	Statics CIVE 1150 3 hrs	BIOE Thermodynamics BIOE 2100 3 hrs				Biomedical Electronics BIOE 3300 3 hrs		Senior Design Project I BIOE 4410 3 hrs	Senior Design Project II BIOE 4420 3 hrs
General Chem Lab CHL 181 1 hr	General Chem Lab II CHL 182 1 hr	PSY 110 Elective 3 hrs	Computer Applications BIOE 1200 3 hrs	HUM/SS/MC Elective 3 hrs	Bioprocessing Laboratory BIOE 3500 3 hrs	Co-op Experience BIOE 3940 1 hr			Biotransport Phenomena BIOE 3400 3 hrs		BIOE Technical Elective 3 hrs	BIOE Technical Elective 3 hrs
English Composition ENG 101 3 hrs	Fund. Life Science II BIO 201 4 hrs	Technical Writing ENGL 2950 3 hrs	Biomaterials BIOE 2200 3 hrs	HUM/SS/MC Elective 3 hrs	Physiology for Bioengineers BIOE 4100 3 hrs				Bioelectronics Laboratory BIOE 4140 2 hrs		Technical Elective 3 hrs	Technical Elective 3 hrs
COM 100 Elective 3 hrs	Fund. Life Science Lab II BIL 201 1 hr	Physics I PHYS 2130 5 hrs	Physics II PHYS 2140 5 hrs						Analysis of BIOE Systems BIOE 4300 3 hrs		Technical Elective 3 hrs	HUM/SS/MC Elective 3 hrs
15 hours	14 hours	18 hours	15 hours	13 hours	12 hours	1 hour	Optional	1 hour	14 hours	1 hour	15 hours	12 hours