

# Bioengineering Findlay Premed Flowchart

1ST YEAR			2ND YEAR			3RD YEAR			4TH YEAR		5TH YEAR				
Spg	Fal I		Spg	Sum	Fal I	Spg	Sum	Fal I	Spg	Sum	Fal I	Spg			
General Chemistry I CHEM 140# 4 hrs	General Chemistry II CHEM 141# 4 hrs	Organic Chemistry I CHEM 310# 3 hrs	Organic Chemistry II CHEM 311# 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 Chem Lab CHEM 140L 1 hr	General Chem Lab II CHEM 141L 1 hr	Organic Chem Lab CHEM 310L 1 hr	Organic Chem Lab II CHEM 311L 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		
Calculus I MATH 141 4 hrs	Calculus II MATH 142 4 hrs	Multivariate Calculus MATH 250 4 hrs	Differential Equations MATH 310 3 hrs	Cell Biology Laboratory BIOL 3040 2 hrs	Biomaterials BIOE 2200 3 hrs	Co-op Experience BIOE 3940 1 hr	Coursework for deficiencies, medical school requirements, business minor or additional co-op experience	Co-op Experience BIOE 3940 1 hr		Biotransport Phenomena BIOE 3400 3 hrs	Co-op Experience BIOE 3940 1 hr	BIOE Technical Elective 3 hrs	BIOE Technical Elective 3 hrs		
English Composition ENGL 104 3 hrs	Physics I PHYS 252 5 hrs	Physics II PHYS 253 5 hrs	Cell Biology BIOL 302 3 hrs	HUM/SS/MC Elective 3 hrs	Bioprocessing Laboratory BIOE 3500 3 hrs					Bioelectronics Laboratory BIOE 4140 2 hrs			Technical Elective 3 hrs		HUM/SS/MC Elective 3 hrs
COMM 110 Elective 3 hrs	Technical Writing ENGL 272 3 hrs	Fund. Life Science I BIOL 152# 4 hrs	Professional Development BIOE 1010 1 hr		Physiology for Bioengineers BIOE 4100 3 hrs					Analysis of BIOE Systems BIOE 4300 3 hrs				HUM/SS/MC Elective 3 hrs	
		Fund. Life Science Lab II BIOL 152L 1 hr	Computer Applications BIOE 1200 3 hrs												
15 hours	17 hours	18 hours	14 hours	12 hours	15 hours	1 hour	Optional	1 hour	14 hours	1 hour	15 hours	12 hours			