

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 | BIOE Thermo- dynamics BIOE 2100 3 hrs | Intro to Biomechanics BIOE 3110 3 hrs | Co-op Experience BIOE 3940 1 hr | Biosignal Processing BIOE 4120 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 | | Biomaterials BIOE 2200 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 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 | Biotransport Phenomena BIOE 3400 3 hrs | | BIOE Technical Elective 3 hrs | BIOE Technical Elective 3 hrs |
| English Composition ENGL 1110 3 hrs | Physics I PHYS 2130 5 hrs | | Physics II PHYS 2140 5 hrs | Electrical Circuits EECS 2300 4 hrs | | Physiology for Bioengineers BIOE 4100 3 hrs | Bioelectronics Laboratory BIOE 4140 2 hrs | | Technical 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 | | Statics CIVE 1150 3 hrs | Analysis of BIOE Systems BIOE 4300 3 hrs | | HUM/SS/MC Elective 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 | | HUM/SS/MC Elective 3 hrs | Technical Writing ENGL 2950 3 hrs | | | HUM/SS/MC Elective 3 hrs |
| 15 hours | 18 hours | 1 hour | 18 hours | 16 hours | 1 hour | 18 hours | 17 hours | 1 hour | 15 hours | 15 hours |

revised 4/4/2014