Saint Louis University
Electrical Engineering Flowchart
(BIOELECTRONICS CONCENTRATION-Engineering Emphasis)

Name__________________________  Student #__________________________  Entered EE________

Freshman
€ BIOL 1240 Biology I
€ BIOL 1245 Biology I Lab
€ CHEM 1110 General Chemistry I
€ CHEM 1115 Gen Chemistry I Lab c(CHEM 1110)
€ ECE 1001 Introduction to ECE
€ ENGL 1920  Adv Writing for Professionals.1
€ MATH 1510 Calculus I 2

Sophomore Year
€ BME 2000 BME Computing
€ ECE 2101 Electrical Circuits I
(ECE 1001, MATH 1520, PHYS 1610)
€ ECE 2205 Digital Design
€ ECE 2206 Digital Design Lab
€ MATH 2530 Calculus III (MATH 1520)
€ PHYS 1630 Eng Physics II (PHYS 1610)
€ PHYS 1640 Eng Physics II Lab c(PHYS 1630)

Junior Year
€ BIOL 2600 Human Physiology
€ ECE 3225 Microprocessors
€ ECE 3226 Microprocessors Lab
€ ECE 3130 Semiconductor Devices
€ ECE 3150/BME 3100 Linear Systems
(ECE 2102, MATH 3550)
€ ECE 3151 Linear Systems Lab
€ BME 4100 Biomedical Signals
€ ECE 3131 Electronic Ckts (ECE 3130)
€ ECE 3132 Electronic Ckts Lab c(ECE 3131)
€ ECE 3052 Prob & Random Var for Eng
€ MATH 2530 & ECE3150
€ ECE 3090 Junior Design
€ ECE 4120 Auto Control Systems

Senior Year
€ BME 4600 BME Sensory Systems
€ ECE 4800 Senior Design I**
€ ECE/BME Elective4
€ PHIL 3400 Ethics & Engineering
€ Core: Humanities

Total Hours: 125
**MUST BE AT SENIOR STANDING (pass all junior level ECE and CSCI requirements)
1 Students needing prerequisite work in writing skills as determined by ACT or SAT scores will be required to take
ENGL 1500: The Process of Composition (3) and perhaps ENGL-1040: Accelerated Reading
2 Requires a proficiency exam.
3 Must not be used to satisfy another core requirement.
*Must be taken from an approved list of ECE or BME elective courses.