

Systems Physiology Cluster

Professional Elective

BE 500 or BE 706 or BI 445 or BI 520 General Physiology
EC 416 or BE 567 or CN5XX Modeling/Data Analysis

Engineering Elective

EC 505 (or MA583 or MA421) Statistics

Biomedical Engineering Elective

BE 511 or BE 517 (or BI 575) Data Acquisition
BE 508 or BE 509 or BE 570 Advanced Physiological Modeling

(*Design Requirements satisfied by BE 511 or EC 416 *)

Collected List:

BE 500 Pathophysiology	Fall	
BE 508 Quant Studies of Cardio and Resp Sys	Spring	(BE436 pre-requisite)
BE 509 Quant Studies of Auditory Sys	Fall	
BE 511 Biomed Instrumentation	Fall	
BE 517 Optical Microscopy	Fall	
BE 567 Nonlinear Systems in BME	Fall	
BE 570 Computational Vision	Spring	
BE 706 Quant Physiol for Engineers	Spring	
EC 505 Stochastic Processes	Fall	
EC 416 Dig Signal Process	Both	
BI 445 Cell and Mol Physiol	Both	
BI 520 Sensory Neurobiology	Fall	
BI 575 Techniques in Cell/Mol Neurosci	Both	
MA583 Intro to Stochastic Proc	Spring	
MA 421 Statistical Model and Data Analysis	Both	