Systems Physiology Cluster

**Professional Elective**
BE 500 or BE 706 or BI 445 or BI 520  General Physiology  
EC 416 or BE 567 or CNS5XX  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