

BIOINSTRUMENTATION CONCENTRATION

BMED 355	Electrical Engineering Concepts for Biomedical Engineering	4
BMED 445	Biopotential Instrumentation	4
EE 228	Continuous-Time Signals and Systems	4
EE 251	Electric Circuits Laboratory	1
EE/CPE 328	Discrete Time Signals and Systems	3
EE/CPE 368	Signals and Systems Laboratory	1
IME 156	Basic Electronics Manufacturing	2
MATH 344	Linear Analysis II	4
Approved Technical Electives		
Select from the following:		3-5
BMED 434	Micro/Nano Fabrication	
BMED 515	Introduction to Biomedical Imaging	
BMED 555	Neural Systems Simulation and Modeling	
EE 302 & EE 342	Classical Control Systems and Classical Control Systems Laboratory	
EE 335 & EE 375	Electromagnetic Fields and Transmission and Electromagnetic Fields and Transmission Laboratory	
Approved Electives		
Select from the following:		3-5
BIO 232	Human Anatomy and Physiology II	
BIO 302	Human Genetics	
BIO 303	Survey of Genetics	
BIO/CHEM 441	Bioinformatics Applications	
CHEM 312	Organic Chemistry: Fundamentals and Applications	
CHEM 446	Surface Chemistry of Materials	
Total units		29-33