BIOMEDICAL ENGINEERING MINOR

The Minor in Biomedical Engineering provides students with an understanding of the field and opportunities to develop hands-on skills in bioinstrumentation as well as learn techniques used in biomedical imaging systems. The minor is designed so students in any science, technology, engineering, or mathematics discipline can succeed. Due to the breadth of the field, students are required to engage in an independent study or research project where they can explore a subdiscipline within the field of biomedical engineering in more depth.

Course Requirements for the Minor

The following courses, or their approved transfer equivalents, are required of all candidates for this minor.

Course	Title	Units
EECE 314	Bioinstrumentation	3
MATH 120	Analytic Geometry and Calculus	4
MATH 121	Analytic Geometry and Calculus	4
PHYS 204A	Physics for Students of Science and Engineering: Mechanics	4
Select one of the following:		4
BIOL 103	Human Anatomy	
BIOL 104	Human Physiology	
Select one of the following:		4
EECE 211 & 211L	Linear Circuits I and Linear Circuits I Activity	
EECE 215	Practical Circuits and Electronics	
PHYS 327	Electronics for Scientists	
Select three units from the following:		3
EECE 399	Special Problems	
EECE 499	Special Problems	
EECE 499HW	Honors Project (W)	
Select one of the following:		3-4
CSCI 582	Bioinformatics	
EECE 465	Digital Signal Processing	
EECE 565	Bioimaging Systems	
EECE 566	Applied Digital Image Processing	
MECH 430	Nanoscale Science and Engineering	
Total Units		**29-30**