

Biomedical Engineering Minor

For information, contact the Department of Chemical, Paper and Biomedical Engineering, 64 Engineering Building, 513-529-0760.

The minor provides an understanding of the basic biomedical engineering principles, concepts and methodologies and how they are applied to the design of biomedical devices and/or systems.

Program Requirements

(19-20 semester hours)

Code	Title	Credit Hours
Students are responsible for meeting the prerequisites of all courses in the minor.		
Required Courses		
CPB 219 or MME 211	Statics and Mechanics of Materials Static Modeling of Mechanical Systems	3
CPB 318 or CPB 418	Transport Phenomena I Biological Transport Phenomena	4
CPB 417	Biomedical Engineering	3
CPB 419	Biomaterials	3
CHM 332 & 332L or CHM 432 or PHY 421 or PHY 422 or BIO 342	Outlines of Biochemistry and Outlines of Biochemistry Lab Fundamentals of Biochemistry Molecular and Cellular Biophysics Physics for Medicine and Biology Genetics	3-4
Select one from the following		3
CPB 326	Fundamentals of Medical Device Design	
CPB 423	Biomechanics	
CPB 416	Biochemical Engineering	
CPB 426	Fundamentals of Tissue Engineering	
ECE 205	Electric Circuit Analysis I	
ECE 426	Biomedical Signal Analysis	
Total Credit Hours		19-20