

# Minor in Biomedical Engineering

The Biomedical Engineering minor is available to students who are interested in the field of biomedical engineering and have appropriate coursework completed. To receive this minor, students must be declared engineering majors. It requires the completion of 21 credit hours of approved coursework, as detailed below with a cumulative GPA of 2.0 or above.

Code	Title	Credits
BIOL 150 & 150L	General Biology I and General Biology I Laboratory	4
BIOL 151 & 151L	General Biology II and General Biology II Laboratory	4
BIMD 220 & 220L	Human Anatomy Physiology I and Human Anatomy Physiology I Lab	4
or BIOL 442 & 442L	Physiology of Organs and Systems and Physiology of Organs and Systems Laboratory	
or BIOL 341 & 341L	Cell Biology and Cell Biol Lab	
<b>9 Credits of Approved Electives</b>		<b>9</b>
BME 397	Cooperative Education	
BME 430	Fundamentals of Biomedical Imaging	
BME 432	Fundamentals of Biomedical Optics	
BME 450	Biomedical Instrumentation (Medical IoT Innovation I)	
BME 460	Computational Biology	
BME 490	Special Topics	
CHE 505	Biochemical and Biomaterial Engineering	
ME 515	Advanced Processing of Materials and Biomaterials	
BIMD 221 & 221L	Human Anatomy Physiology II and Human Anatomy Physiology II Lab	
KIN 332 & 332L	Biomechanics and Biomechanics Laboratory	
<b>Total Credits</b>		<b>21</b>

Students need to complete all appropriate pre-requisites for the required courses. Students enrolled in the BS in Biomedical Engineering program do not qualify for the minor.