

# BIOENGINEERING MINOR

*for the Undergraduate Minor in Bioengineering*

The minor in bioengineering comprises coursework in life sciences, chemistry, and engineering. Engineering prerequisite courses are required for BIOE 414 and some technical electives.

*for the Undergraduate Minor in Bioengineering*

Students may fulfill the requirements for a minor in bioengineering by completing the following course sequence. Engineering students who are proficient in biology may waive MCB 150 as a prerequisite for courses in this minor.

Code	Title	Hours
BIOE 120	Introduction to Bioengineering	1
BIOE 414	Biomedical Instrumentation	3
or CHBE 472	Techniques in Biomolecular Eng	
CHEM 232	Elementary Organic Chemistry I	3
MCB 244	Human Anatomy & Physiology I	3
MCB 246	Human Anatomy & Physiology II	3
or MCB 250	Molecular Genetics	
MCB 252	Cells, Tissues & Development	3
MCB 253	Exp Techniqs in Cellular Biol	2
Bioengineering Related Technical Electives. See list below:		3
BIOE 414	Biomedical Instrumentation	3
CHBE 472	Techniques in Biomolecular Eng	3
BIOE 480	Magnetic Resonance Imaging	3
CHBE 471	Biochemical Engineering	3
CHBE 473	Biomolecular Engineering	3
CHBE 474	Metabolic Engineering	3
ECE 473	Fund of Engrg Acoustics	3
MCB 400	Cancer Cell Biology	3
MCB 450	Introductory Biochemistry	3
MSE 470	Design and Use of Biomaterials	3
TAM 461	Cellular Biomechanics	4
Other Department Specialities related to Bioengineering (taken as electives)		3 to 4

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The Grainger College of Engineering (<https://grainger.illinois.edu/>)

Bioengineering Minor (<https://bioengineering.illinois.edu/academics/undergraduate/minors/>)

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For more information regarding the Bioengineering minor, contact the Bioengineering Department Office.