

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 3 to 4 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/>)

1240 Everitt Lab

(217) 300-8066

Bioengineering Minor email (bioe-ugradprograms@illinois.edu)

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