

# BIOMOLECULAR ENGINEERING MINOR

*for the Minor in Biomolecular Engineering*

Biomolecular Engineering is a broad, interdisciplinary field with the main goal of engineering value-added biomolecules and biomolecular systems for applications in the medical, chemical, agricultural and food industries. Its practice ranges from the fundamental study of biomolecules and biomolecular systems to the design of cellular factories and artificial organs. The Biomolecular Engineering minor is designed to better prepare non-chemical engineering students for careers in the food, pharmaceutical, personal care, and biotechnology industries. This minor is not open to students majoring in chemical engineering. Those students should instead take the biomolecular engineering concentration if they are interested in biomolecular engineering coursework.

Students may fulfill the requirements for a minor in biomolecular engineering by completing the following course sequence. For more information, please contact the academic advisors in the School of Chemical Sciences.

Code	Title	Hours
<b>Minor Course Requirements</b>		
CHBE 221	Principles of CHE	3
CHEM 232	Elementary Organic Chemistry I	3
MCB 450	Introductory Biochemistry	3
<b>Biomolecular Engineering Electives</b>		<b>9</b>
Choose 3 from the following: CHBE 471, CHBE 472, CHBE 473, CHBE 474, CHBE 475, CHBE 476, CHBE 478, CHBE 497, CHBE 499		
<b>Technical Electives</b>		<b>3</b>
Choose 1 from the following: ABE 436, ABE 483, ABE 488, BIOE 414, BIOE 415, BIOE 476, ECE 467, ECE 480, MSE 470, MSE 473, MSE 474, TAM 461		
<b>Total Hours</b>		<b>21</b>

For more information regarding to the Biomolecular Engineering minor, contact the academic advisors in the School of Chemical Sciences at [scs-advising@illinois.edu](mailto:scs-advising@illinois.edu)

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**department website:** <https://chbe.illinois.edu/academics/undergraduate/minor> (<https://chbe.illinois.edu/academics/undergraduate/minor/>)

**department faculty:** Chemical & Biomolecular Engineering Faculty (<http://chbe.illinois.edu/directory/>)

**advising:** SCS Academic Advising (<https://scs.illinois.edu/academics/advising/>)

**overview of college admissions & requirements:** Liberal Arts & Sciences (<http://catalog.illinois.edu/schools/las/academic-units/>)

**college website:** <https://las.illinois.edu/>