MOLECULAR & CELLULAR BIOLOGY: HONORS, BSLAS

for the degree of Bachelor of Science in Liberal Arts and Sciences Major in Molecular & Cellular Biology, Honors Concentration

molecular biology

school website: https://mcb.illinois.edu/undergrad/
school faculty: School Faculty (https://mcb.illinois.edu/people/)
advising: MCB advising (https://mcb.illinois.edu/undergrad/
overview of college admissions & requirements: Liberal Arts & Sciences (http://catalog.illinois.edu/undergraduate/las/academic-units/)
college website: https://las.illinois.edu/
email: undergrad@mcb.illinois.edu

The Molecular and Cellular Biology Honors Concentration is designed for students whose preparation and interests motivate them to desire a more intensive undergraduate biology experience and to prepare for graduate or professional school. The MCB Honors Concentration is based on the MCB concentration (http://catalog.illinois.edu/undergraduate/las/academic-units/molecular-cell-bio/molecular-cellular-biology-concentration/). Students must satisfy all of the requirements for the MCB concentration in addition to the requirements for the MCB Honors Concentration. Students interested in the MCB Honors Concentration (http://mcb.illinois.edu/undergrad/honors/) should contact the MCB Honors Concentration coordinator (shawna@illinois.edu) during the freshman year for more information.

Undergraduate degree programs in Molecular & Cellular Biology
Biochemistry, BS (http://catalog.illinois.edu/undergraduate/las/biochemistry-bs/)
Molecular & Cellular Biology, BSLAS (http://catalog.illinois.edu/undergraduate/las/molecular-cellular-biology-bslas/)
Molecular & Cellular Biology Honors Concentration, BSLAS (p. 1)

for the degree of Bachelor of Science in Liberal Arts and Sciences Major in Molecular & Cellular Biology, Honors Concentration

Certain advanced courses may be taken prior to completion of the MCB 250 MCB 250 - MCB 253, MCB 354 MCB 354 sequence with permission of an academic advisor. A minimum of 15 hours of 300- or 400-level courses in MCB from the approved list is required.

In addition, undergraduate research (MCB 290, or departmental equivalent) is strongly recommended for students planning to go to graduate school. No more than 10 hours of MCB 290, or departmental equivalent credit may be counted towards the 120 hours required for a degree in MCB.

Students earning a degree in Molecular and Cellular Biology may not also earn a second degree in the Specialized Curriculum in Biochemistry.

Students earning a degree in Molecular and Cellular Biology may not double major in Integrative Biology.

Distinction

Students in MCB can qualify for Distinction via one of the following:

Distinction for Excellence in Research:

To be eligible for graduation with Distinction a student must:

Complete 3 semesters of MCB 290 for 2 credit hours or more each semester. Maintain a minimum cumulative GPA of 3.25 at the end of penultimate semester. Give at least one poster presentation at the Undergraduate Research symposium or other approved venue. Obtain a letter of support from their Principal Investigator.

To be eligible for graduation with High Distinction a student must:

Complete 2 semesters of MCB 290 for 2 credit hours or more each semester. Complete 1 semester of MCB 492 for 3 credit hours or more. Maintain a minimum cumulative GPA of 3.25 at the end of penultimate semester. Give at least one poster presentation at the Undergraduate Research symposium or other approved venue. Obtain a letter of support from their Principal Investigator. Submit a written thesis that is approved by the Distinction Committee.

To be eligible for graduation with Highest Distinction a student must:

Complete 2 semesters of MCB 290 for 2 credit hours or more each semester. Complete 1 semester MCB 492 for 3 credit hours or more. Maintain a minimum cumulative GPA of 3.90 at the end of penultimate semester. Give at least one poster presentation at the Undergraduate Research symposium or other approved venue. Obtain a letter of support from their Principal Investigator. Submit a written thesis that is approved by the Distinction Committee. Distinction for Excellence in Academics:

Designation requires additional requirements. Undergraduate research experience (MCB 492) is strongly recommended. Students planning to go to graduate school should complete at least 2 semesters of MCB 290.

Students earning a degree in Molecular and Cellular Biology may not also earn a second degree in the Specialized Curriculum in Biochemistry.

Students earning a degree in Molecular and Cellular Biology may not double major in Integrative Biology.

Distinction

Students in MCB can qualify for Distinction via one of the following:

Designation:

Select one group of courses:

Select one group of courses:

CHEM 102 General Chemistry I
& CHEM 103 and General Chemistry Lab I
& CHEM 104 and General Chemistry II
& CHEM 105 and General Chemistry Lab II

MATH 220 Calculus
or MATH 221 Calculus I

MATH 221 Calculus I
or STAT 212 Biostatistics

Select one group of courses:

Select one group of courses:

CHEM 202 Accelerated Chemistry I
& CHEM 203 and Accelerated Chemistry Lab I
& CHEM 204 and Accelerated Chemistry II
& CHEM 205 and Accelerated Chemistry Lab II

CHEM 232 Elementary Organic Chemistry I
CHEM 233 Elementary Organic Chem Lab I

Minimum required major and supporting course work: 67-71 hours, including 21 hours of 300- or 400-level courses; 12 hours of 300- and 400-level courses in the major must be taken on this campus. Minimum hours required for graduation: 120 hours.

Information listed in this catalog is current as of 09/2021
Complete 5 honors discussion sections in consecutive order:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCB 297</td>
<td>MCB Honors Discussion (Section A)</td>
<td>1</td>
</tr>
<tr>
<td>MCB 297</td>
<td>MCB Honors Discussion (Section B)</td>
<td>1</td>
</tr>
<tr>
<td>MCB 297</td>
<td>MCB Honors Discussion (Section C)</td>
<td>1</td>
</tr>
<tr>
<td>MCB 298</td>
<td>MCB Honors Lab Discussion (Section A)</td>
<td>1</td>
</tr>
<tr>
<td>MCB 298</td>
<td>MCB Honors Lab Discussion (Section B)</td>
<td>1</td>
</tr>
</tbody>
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Complete 4 or more additional MCB Honors Option courses

Students must consult the Honors Coordinator about MCB Honors Option courses. Only MCB 290 may be repeated, to a maximum of twice, although continuing 290 beyond two semesters is encouraged.