MOLECULAR & CELLULAR BIOLOGY: HONORS, BSLAS

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

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.

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 2 semesters of MCB 290 for 2 credit hours or more each semester. 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.

- Maintain a major GPA of 3.90 or higher in the MCB major (biology, chemistry, physics and math courses for the MCB major) at the end of their penultimate semester.

- Complete 1 semester MCB 492 for 3 credit hours or more. Complete 2 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. Submit a written thesis that is approved by the Distinction Committee.

- Distinction for Excellence in Academics:

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:

- 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. Submit a written thesis that is approved by the Distinction Committee.

- To be eligible for graduation with 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 3.25 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 Academic 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.

General education: Students must complete the Campus General Education (https://courses.illinois.edu/gened/DEFAULT/DEFAULT) requirements including the campus general education language requirement.

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.

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>MATH 220</td>
<td>Calculus</td>
<td>4-5</td>
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<tr>
<td>or MATH 221</td>
<td>Calculus I</td>
<td></td>
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<tr>
<td>MATH 231</td>
<td>Calculus II</td>
<td>3</td>
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<tr>
<td>or STAT 211</td>
<td>Biostatistics</td>
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Select one group of courses: 8-10
CHEM 102  General Chemistry I  
& CHEM 10:and General Chemistry Lab I  
& CHEM 10:and General Chemistry II  
& CHEM 10:and General Chemistry Lab II  
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  4  
CHEM 233  Elementary Organic Chem Lab I  2  
Select one group of courses: 10-12  
PHYS 101  College Physics: Mech & Heat  
& PHYS 102:and College Physics: E&M & Modern  
PHYS 211  University Physics: Mechanics  
& PHYS 212:and University Physics: Elec & Mag  
& PHYS 213:and Univ Physics: Thermal Physics  
& PHYS 214:and Univ Physics: Quantum Physics  
IB 150  Organismal & Evolutionary Biol  4  
MCB 150  Molec & Cellular Basis of Life  4  
MCB 250  Molecular Genetics  3  
MCB 251  Exp Techniqs in Molecular Biol  2  
MCB 252  Cells, Tissues & Development  3  
MCB 253  Exp Techniqs in Cellular Biol  2  
MCB 354  Biochem & Phys Basis of Life  3  
At least four additional courses at the 300- to 400-level  
froM the Approved List of Advanced Courses for MCB  
Majors are also required, including one lab course. (http://  
mcb.illinois.edu/undergrad/courses/advanced)  15-16  

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

1 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.