### B.S. in Molecular Biology

**Entering in 2005**

(3-24-05)

**Minimum CQPA and MQPA required for graduation**

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**MQPA Courses:** BIOL, CHEM

### MAJOR REQUIREMENTS

<table>
<thead>
<tr>
<th>Subject</th>
<th>Cr.</th>
<th>Sem. Taken</th>
<th>Grade</th>
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<tbody>
<tr>
<td>BIOL 101 General Biology I (WI) (IL)</td>
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<td>BIOL 234 Cell &amp; Molecular Biology (SI) (IL)</td>
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<td>BIOL 488 Biology Seminar (WI) (SI)</td>
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**HEALTH/MEDICINE CLUSTER (CHOOSE 3)**

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<td>BIOL 311 Human Anatomy &amp; Phys I</td>
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<tr>
<td>BIOL 312 Human Anatomy &amp; Phys II</td>
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<tr>
<td>BIOL 407 Microbiology</td>
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**BIOLOGY ELECTIVES**

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<td>BIOL 409 Entomology</td>
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<td>BIOL 421 Aquatic &amp; Fishery Biology</td>
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<td>BIOL 429 Adv Concepts Anat/Phys</td>
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<td>BIOL 430 Cardiopulmonary Physiol</td>
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<td>BIOL 473 Invest Prob in Biology – WWW</td>
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<td>BIOL 475/DNA</td>
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**CHEMISTRY CORE REQUIREMENTS**

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<tbody>
<tr>
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<td>CHEM 241 Organic Chemistry</td>
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<td>CHEM 352 Biochemistry</td>
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**MAJOR-RELATED REQUIREMENTS**

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<tr>
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<td>PHYS 121 College Physics I</td>
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**TOTAL HOURS REQUIRED FOR THIS DEGREE**

| Hours | 128 |

**GENERAL EDUCATION REQUIREMENTS**

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**HUMANITIES CORE**

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**STUDIES IN SCIENCE, FAITH & TECHNOLOGY (SSFT)**

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**FOUNDATIONS OF THE SOCIAL SCIENCES**

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**QUANTITATIVE / LOGICAL REASONING**

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**NATURAL SCIENCES (with labs)**

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**PHYSICAL EDUCATION**

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<td>PHYE 102 (men) / 112 (women)</td>
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**GENERAL ELECTIVES**

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Students planning to do graduate work in Molecular Biology are encouraged to take CHEM 345: Physical Chemistry. Logic courses are helpful on standardized qualifying exams, and one or more psychology courses and a statistics course are recommended for students aiming to enter a health profession. Business, communication and computer skills are always useful.
# SUGGESTED COURSE PLAN FOR MOLECULAR BIOLOGY MAJOR (MBIO)

## Freshman Year

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*MATH 111 Pre-Calculus or MATH 162 Calculus II may be more appropriate for some people.*

## Sophomore Year

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<td>CHEM 241</td>
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## Junior Year

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## Senior Year

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*Biology Seminar may be taken in either the Fall or Spring semester of the Junior or Senior year.*

Consult with your advisor regarding specific courses and course load per semester, especially for the Junior and Senior years.