# BIOTECHNOLOGY MINOR

https://manchester.unh.edu/program/minor/biotechnology

## Description

The Minor in Biotechnology will introduce students to the field of biotechnology in a five-course sequence that will provide substantial education and training in bioethics, as well as the central content areas of biology and biotechnology, with a focus on modern genetics and laboratory techniques. Students adding the biotechnology minor will be adding a valuable credential to their major, indicating a substantial additional skill set in the laboratory-focused and forward-looking field of biotechnology.

To ensure a course counts in the minor, it is required that students consult the minor coordinator, Dr. Kristen Johnson (Kristen.Johnson@unh.edu), before enrolling in the course.

## Requirements

Students must complete five courses (20-21 credits, depending on the courses chosen). The minimum acceptable grade in these courses is a C, and the average grade for these courses must be a C or better. Transfer course approval for the minor is limited to, at most, two relevant courses successfully completed at another accredited institution, subject to syllabi review and approval. Courses for non-majors will not count towards the minor.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Required Courses</strong></td>
<td></td>
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</tr>
<tr>
<td>Biot 501</td>
<td>Ethical Issues in Biology</td>
<td>4</td>
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<tr>
<td>Gen 604</td>
<td>Principles of Genetics</td>
<td>4</td>
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<tr>
<td>Biotechnology lab techniques course 1, 2</td>
<td></td>
<td>4-5</td>
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<td><strong>Select one of the following:</strong></td>
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<td>8</td>
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<tr>
<td>Biot 411 &amp; Biot 412</td>
<td>Introductory Biology: Molecular and Cellular &amp; Introductory Biology: Evolution, Biodiversity and Ecology</td>
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<tr>
<td>or Biot 413 &amp; Biot 414</td>
<td>Principles of Biology I &amp; Principles of Biology II</td>
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</table>

Total Credits: 20-21

1. Biotechnology majors-level course.
2. BMS 503 General Microbiology/BMS 504 General Microbiology Laboratory may be an additional pre-requisite course.
3. Students in majors with 3+ course overlap (e.g., Neuropsychology) will need a different course than GEN 604 Principles of Genetics within the Biotechnology major. BMS 503 General Microbiology/BMS 504 General Microbiology Laboratory is a recommended alternative.