Applied Biology • Bachelor of Science

Why Choose Applied Biology?
The Applied Biology program provides a quality bachelors degree in biology. Ferris is a recognized leader in vocational education, and students take 36 or more credit hours in biology courses plus eight or more semester credit hours in biology-related courses. The Applied Biology program is individually designed, matching the abilities of each student with his/her academic interests. The Applied biology program at Ferris is flexible, allowing students of differing abilities and interests to choose a program of study that best fits them. The program also incorporates applied courses from the Ferris College of Allied Health Sciences and College of Pharmacy, creating a unique bachelors degree in biology.

Get a Great Job
Graduates of the Applied Biology program are in high demand in the science and technology industry and may enter highly competitive professional programs. Students wishing to complete an allied health science degree program can work toward a bachelors degree in applied biology to increase their knowledge of basic science and increase their chances for employment advancement. Students may also choose to use this degree as a prerequisite for advanced study, such as medicine, dentistry or Optometry. Students may also choose to use their bachelors degree to pursue advanced degrees in the biological sciences. Because admission to advanced programs is competitive, academic excellence as an undergraduate is important.

Admission Requirements
First year student admission is open to high school graduates (or equivalent) who demonstrate academic preparedness, maturity and seriousness of purpose with educational backgrounds appropriate to their chosen program of study. High school courses and grade point average, ACT composite score, and ACT reading and mathematics subscores will be considered in the admission and placement process. Transfer students must have at least 12 credits at the time of application with a minimum 2.0 overall GPA including an English and mathematics course, or they must provide their high school records and ACT scores for admission review.

Graduation Requirements
The Applied Biology program leads to a bachelor of science degree. Graduation requires a minimum 2.0 GPA overall and a minimum of 127 credits including completion of all general education requirements as outlined on the General Education website. No grade lower than a "C" is acceptable in the Biology major.

 Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 121</td>
<td>General Biology 1 *Z</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 122</td>
<td>General Biology 2 *Z</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 375</td>
<td>Principles of Genetics*Z</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 460</td>
<td>Current Topics in Biology *Z</td>
<td>2</td>
</tr>
<tr>
<td>BIOL 347</td>
<td>Environmental Conservation*Z</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 442</td>
<td>Ecology*Z</td>
<td>3</td>
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Consult with faculty advisor for proper course selections for the following Biology major requirements: anatomy/physiology, 5 credits minimum; microbiology, 3 credits minimum, electives to achieve 36-credit minimum.

Supporting Sciences (20-credit minimum)
Consult with faculty advisor for proper course selections for the following sciences requirements: MATH 120 (trigonometry), chemistry (including biochemistry), 7 credits minimum; physics, 4 credits minimum, electives to achieve 20-credit minimum.

Application Area (8-credit minimum)
Consult with faculty advisor for proper course selections.

More Information
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Ferris State University
820 Campus Drive/ASC 2004
Big Rapids, MI 49307-2225
Phone: 231-591-2550

Ferris State University
College of Arts & Sciences