MICROBIOLOGY GRADUATE MAJOR (MA, MS, PHD)

Graduate Areas of Concentration

*Environmental microbiology, food microbiology, genomics, immunology, microbial ecology, microbial evolution, parasitology, pathogenic microbiology, virology*

Administered by the Department of Microbiology under the School of Life Sciences.

The Department of Microbiology offers graduate programs leading to the Master of Science, Master of Arts, and Doctor of Philosophy degrees. Major fields of study are diverse and include basic and applied aspects of virology and bacteriology; immunology and pathogenic microbiology; environmental and applied microbiology, and microbial evolution. Students may minor in a variety of related disciplines in the life sciences, such as molecular and cellular biology and biochemistry. Integrated minors are often selected in order to allow students to develop a program that best serves their needs.

The principal objectives of the graduate major in Microbiology are the completion of a comprehensive research project and preparation of a thesis. Student programs and research projects are developed with the major professor and are subject to approval by a committee of graduate faculty members. Microbiology research facilities are excellent and well-equipped.

For more information, write to Jerri Bartholomew, Professor, Department of Microbiology, 220 Nash Hall, OSU, Corvallis OR 97331-3804 or email: jerri.bartholomew@oregonstate.edu.

Students in the Microbiology Graduate Program are required to take the following core sequence of courses during their first year of enrollment in the program:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>GRAD 520</td>
<td>RESPONSIBLE CONDUCT OF RESEARCH</td>
<td>2</td>
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<tr>
<td>MB 511</td>
<td>SCIENTIFIC SKILLS</td>
<td>1</td>
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<tr>
<td>MB 512</td>
<td>HIGHLIGHTS OF MICROBIOLOGY</td>
<td>1</td>
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<tr>
<td>MB 513</td>
<td>MICROBIAL SYSTEMS</td>
<td>3</td>
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<td></td>
<td><strong>Total Hours</strong></td>
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**Major Code: 5700**