# Applied and Environmental Microbiology

## Minor Contact

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## Minor Code - U082

The minor in Applied and Environmental Microbiology is designed to introduce students to the beneficial and harmful roles of microorganisms in a variety of diverse environments including plants, animals, soil, food, air, and water. Emphasis is given to the importance of microorganisms in such applied areas as public health, plant disease, pollution and pollution abatement, biological control of pests, bio-deterioration, and ecology.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>AEM 341 &amp; 341L</td>
<td>General Microbiology and General Microbiology Laboratory</td>
<td>4</td>
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<tr>
<td>PPTH 401 &amp; 401L</td>
<td>General Plant Pathology and General Plant Pathology Laboratory</td>
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Minimum of seven hours selected from the following:

- AEM 401 & 401L: Environmental Microbiology and Environmental Microbiology Laboratory
- AEM 420: Soil Microbiology
- AEM 445: Food Microbiology
- AEM 449: Food Microbiology Lab
- AEM 493: Special Topics
- AEM 495: Independent Study
- ENVP 401 & 401L: Environmental Microbiology and Environmental Microbiology Laboratory
- ENVP 420: Soil Microbiology
- PPTH 409 & 409L: Nematology and Nematology Laboratory
- PPTH 470 & 470L: Forest Pest Management and Forest Pest Management Laboratory
- PPTH course - Research-Airborne Fungi
- PPTH 503 & 503L: Mycology and Mycology Laboratory

**Total Hours:** 15

*Maximum of four hours of special topics courses (AEM 493 or PPTH 493) can be applied toward the 15-hour total and requires approval of the division director.

**Courses with the same title are equivalent to each other.*