Graduation Requirements for Microbiology Minors

Prerequisites
Students must have completed 01:119:115-116 General Biology and 01:160:161-162 General Chemistry with grades of C or better.

Required courses (19 to 22 credits):

1. **One course from the following list:**
   General Microbiology 11:680:390 (4)

2. **At least one course from the following list:**
   - Introductory Biochemistry and Molecular Biology 01:694:301 (3)
   - Introductory Biochemistry 11:115:301 (3)
   - General Biochemistry 11:115:403 (4)

3. **At least one course from the following list:**
   - Microbial Genetics and Genomics 11:680:480 (3)
   - Microbial Ecology and Diversity 11:680:491 (3)
   - Applied Microbiology 11:680:494 (4)

4. **At least 9 credits from the following list:**
   - Comparative Virology 11:126:407 (3)
   - Environmental Microbiology 11:375:411 (3)
   - Food Microbiology 11:400:423 (3)
   - Pathogenic Microbiology 01:447:392 (3)
   - Fungi and Ecosystems 11:628:404 (3)
   - Bacterial Physiology 11:680:481 (3)

   Any courses not taken from #3:
   - Microbial Genetics and Genomics 11:680:480 (3)
   - Applied Microbiology 11:680:494 (4)
   - Microbial Ecology and Diversity 11:680:491 (3)
   - Microbial Ecology & Diversity Laboratory 11:680:492 (2)

   or other microbiology courses approved by the Program Director