To be adopted:

Proposed Changes to the B.A. and B.S. Degrees in Microbiology

PRESENT:

Major Requirements

Some of the following requirements for the Microbiology major may also fulfill the College’s breadth requirements. Consult with an advisor for course planning.

1. Core Curriculum (72-77 units)
   a) BIOL 005A, BIOL 05LA, BIOL 005B, BIOL 005C
   b) CHEM 001A, CHEM 001B, CHEM 001C, CHEM 01LA, CHEM 01LB, CHEM 01LC
   c) CHEM 112A, CHEM 112B, CHEM 112C
   d) PHYS 002A, PHYS 002B, PHYS 02LA, PHYS 02LB, PHYS 002C, PHYS 02LC
   e) MATH 008B or MATH 009A, MATH 009B
   f) STAT 100A
   g) BCH 100, or BCH 110A and BCH 110B

2. Upper-Division Requirements (37 units)
   a) Major Core (19 units): BIOL 102, BIOL

PROPOSED:

Major Requirements

Some of the following requirements for the Microbiology major may also fulfill the College’s breadth requirements. Consult with an advisor for course planning.

1. Core Curriculum (72-77 units)
   a) BIOL 005A, BIOL 05LA, BIOL 005B, BIOL 005C
   b) CHEM 001A, CHEM 001B, CHEM 001C, CHEM 01LA, CHEM 01LB, CHEM 01LC
   c) CHEM 112A, CHEM 112B, CHEM 112C
   d) PHYS 002A, PHYS 002B, PHYS 02LA, PHYS 02LB, PHYS 002C, PHYS 02LC
   e) MATH 008B or MATH 009A, MATH 009B
   f) STAT 100A
   g) BCH 100, or BCH 110A and BCH 110B

2. Upper-Division Requirements (37 units)
   a) Major Core (19 units): BIOL 102, BIOL

Students must complete all required Core Curriculum courses with a grade of “C-” or better and with a cumulative GPA in the courses of at least 2.0. Grades of “D” or “F” in two required courses, either separate courses or repetitions of the same course, are grounds for discontinuation from the major.
b) Major Electives. A minimum of 18 units from the following to be selected in consultation with a faculty advisor: BIOL 128/CBNS 128, BIOL 157, BIOL 158, CBNS 101, ENSC 120/NEM 120, MCBL 120/BIOL 120/PLPA 120, MCBL 120L/ BIOL 120L/PLPA 120L, MCBL 122/BIOL 122, MCBL 123/BIOL 123/PLPA 123, MCBL 124/BIOL 124, MCBL 141/ENSC 141, MCBL 188, MCBL 1972, PLPA 134/ BIOL 134, PLPA 134L/BIOL 134L.

**Justification:**

The motivation for the change is that microbiology is currently one of only three life science majors that allow grades below C- in core courses, and we want to protect the integrity of the major and prevent students who are discontinued from other life science majors due to poor performance to flock to microbiology as a major of last resort. In addition, earning at least a C- in each core course establishes a foundation for success at the upper division level. Because this change brings microbiology in line with most of the other life science majors, we don't anticipate that it will impact student participation in a significant way. This change will only affect students who have not yet taken these classes.

**Approvals:**

Approved by the Department of Plant Pathology and Microbiology Faculty: 01/24/2014

Approved by the College of Natural and Agricultural Sciences Faculty: 01/24/2014

Approved by the Executive Committee of the College of Natural and Agricultural Sciences: 02/18/2014

Approved by the Committee on Educational Policy: 04/22/2014