**Required Core Courses (total = 24 credits):**

Year Term Cr Course Number Title

Fall 3 16:682:501 Microbial Life

Fall 3 16:682:502 Microbial Biochemistry

Spring 3 16:682:503 Microbial Physiology

Spring 3 16:682:504 Microbial Genetics and Molecular Biology

Fall 1 16:682:530 Scientific Conduct and Ethics

Fall 1 16:682:611 Laboratory Rotation in Microbial Biology

Spring 1 16:682:612 Laboratory Rotation in Microbial Biology

Spring 1 16:682:613 Laboratory Rotation in Microbial Biology

Fall 1 16:682:521 Seminar in Microbiology

Spring 1 16:682:522 Seminar in Microbiology (first year)

Spring 1 16:682:522 Seminar in Microbiology (second year)

Spring 1 16:682:522 Seminar in Microbiology (third year)

Spring 1 16:682:522 Seminar in Microbiology (fourth year)

F/S 1 16:682:523 Microbial Biology Seminars (three times in years 2 to 4)

F/S 1 16:682:523 Microbial Biology Seminars (three times in years 2 to 4)

F/S 1 16:682:523 Microbial Biology Seminars (three times in years 2 to 4)

Total 24

**Option Elective Courses (minimum of 6 credits):**

Year Term Cr Course Number Title

Total xx

**Research Courses (minimum of 30 credits)**

Year Term Cr Course Number Title

Total xx

**72 credits are required for graduation**

24 Core Course credits + Option Elective Credits + Research Credits = xx