**Required Core Courses (total = 15 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 16:682:521 Seminar in Microbiology

Spring 1 16:682:522 Seminar in Microbiology

Total 15

**Option Elective Courses (minimum of 9 credits):**

Year Term Cr Course Number Title

Total xx

**Thesis Research (minimum of 6 credits):** (Note: for Thesis M.S. only) **16:682:701/702 Microbial Biology Research**

Year Term Cr Course Number Title

Total xx

**Non-Thesis Research (optional 6 credits maximum):** (Note: for Non-Thesis M.S. only) **16:682:691/692 Nonthesis Study and/or 16:682:641/642 Advanced Special Problems**

Year Term Cr Course Number Title

Total xx

**30 credits are required for graduation**

15 Core Course credits + Option Elective credits + Thesis Research credits (for Thesis option) + Non-Thesis Research credits (for Non-Thesis option) = xx