MICROBIOLOGY GRADUATE PROGRAM (MS)  
Non-Thesis Track

A minimum of 34 credits with the following distribution:

1. Core requirements - all 16 credits of the following:
   ____ MI 512 Applied, Food, and Industrial Microbiology (spring) (prerequisites: MI 200, CH 112 and a course in statistical methods)
   ____ MI 525 Microbial Physiology (fall) (prerequisites: MI 200, CH 211 & 212)
   ____ MI 611 Medical & Public Health Microbiology (fall) (prerequisites: MI 200 or equivalent)
   ____ MI 626 Advanced Microbial Physiology (spring) (prerequisites: MI 525)

2. Elective requirements – the remaining credits are taken from the courses below:
   NOTE: 18 credits must be from courses 600 level and above
   ____ MI 503 Epidemiology (even year spring) (prerequisite: MI 200, and a course in statistical methods)
   ____ MI 513 Pathogenic Fungi (odd year fall) (prerequisite: MI 200)
   ____ MI 517 Electron Microscopy (offered as required) (prerequisites: MI 212 or BI 213, and CH 111 & 112)
   ____ MI 521 Immunology and Serology (even year fall) (prerequisites: MI 200, CH 211 & 212)
   ____ MI 522 Microbial Genetics (odd year spring) (prerequisites: MI 200, CH 211)
   ____ MI 523 Microbial Ecology (offered as required) (prerequisites: MI 200, additional unit of MI, CH 112)
   ____ MI 524 Molecular Biotechnology (offered as required) (prerequisite: course in genetics or microbial genetics)
   ____ MI 591 Special Topics in Microbiology (periodically)
   ____ MI 612 Pathology (odd year fall) (prerequisites: MI 611)
   ____ MI 615 Electron Microscopy (offered as required) (prerequisites: permission of instructor)
   ____ MI 618 Parasitology (odd year spring) (prerequisites: MI 611)
   ____ MI 619 Virology (as required) (prerequisites: MI 611)
   ____ MI 621 Topics in Immunobiology and Immunochemistry (odd year spring) (prerequisites: MI 521 & MI 611)
   ____ MI 623 Microbial Pathogenesis (odd year spring) (prerequisites: MI 525)
   ____ MI 630 Cellular Microbiology (even year spring) (prerequisites: MI 611)
   ____ MI 691 Special Topics in Microbiology (periodically)
   ____ MI 693 Independent Study in Microbiology (prerequisites: permission of instructor & program director)
   ____ MI 710 Graduate Seminar I (fall)*
   ____ MI 720 Graduate Seminar II (spring)*
   *It is advised that non-thesis students do not take more than 1 seminar course

3. Comprehensive Exam
   ____ MI 700 Microbiology Comprehensive Exam (fall & spring) (prerequisites: must be in the final semester)