

MICROBIOLOGY MAJOR REQUIREMENTS

MAJOR - MICROBIOLOGY (33 HOURS)

- 1 Biol. 200 Biology Today (Required beginning Fall '06)
- 5 Biol. 204 Concepts in Biology I (required)
- 5 Biol. 205 Concepts in Biology II (required)
- 4 Biol. 313 Microbiology (required)

18 hours of BIOL electives including
12 hours from the following.

- 2 Biol. 401 Introduction to Biological Research
- 3 Biol. 408 Molecular Biology
- 3 Biol. 421 Molecular Biotechnology
- 3 Biol. 426 Pathogenic Microbiology
- 3 Biol. 439 Immunobiology
- 3 Biol. 442 Plasmid Biology
- 3 Biol. 443 Microbial Physiology
- 2 Biol. 444 Microbial Physiology Lab.
- 3 Biol. 445 Environmental Microbiology
- 3 Biol. 447 Microbial Genetics
- 1-3 Biol. 400 Microbiology Topics (up to 3 hr. with
faculty advisor approval)

6 remaining hours from above or from:

- 4 Biol. 405 General Parasitology
- 4 Biol. 407 Cell Biology
- 4 Biol. 424 Algology
- 4 Biol. 446 Scanning Electron Microscopy
- OR (with faculty advisor approval)
- Biol. 400
- 1-4 Biol. 401 Research
- 3 Biol. 402 Honors Thesis
- 1 Biol. 470 Readings
- 1-3 Biol. 489 Biology Internship
- 1 Biol. 490 Seminar

- 9 Medt 403 Applied Clinical Microbiology
- OR
- 2 Medt 432 Clinical Bacteriology I Laboratory
- 2 Medt 404 Clinical Serology
- OR
- 2 Medt 416 Clinical Immunology II
- 3 Medt 421 Hematology I
- 2 Medt 422 Hematology Lab I
- 3 Medt 431 Clinical Bacteriology I
- 3 Medt 434 Clinical Parasitology
- OR**
- 2 Medt 435 Clinical Mycology

OTHER SCIENCE CORE REQUIREMENTS

PHYSICS

- 5 Phys 201 or 211 Physics I
- 5 Phys 202 or 212 Physics II

MINOR: CHEMISTRY (20 hours)

- 5 Chem. 125 or 135 General Chemistry
- 4 Chem. 127 or 137 General Chemistry
- 1 Chem. 128 or 138 General Chem. Lab.

- 3 Chem. 201 Quant. Chem. Analysis

- 4 Chem. 306 Organic Chemistry
- OR
- 5 Chem. 341 Organic Chemistry
- AND
- 3 Chem. 344 Organic Chemistry Lab
- 1 or 2 Chem. 345 or 346 Organic Chem. Lab.
- 3 Chem. 308 Basic Biochem.
- 1 Chem. 309 Elementary Biochem. Lab.
- OR
- 3 Chem. 445 General Biochemistry
- 3 Chem. 447 General Biochemistry

ELECTIVES AND NON-CREDIT COURSES

CS 100, CS 101, or MIS 200 recommended.

