I) Communications (13 credits)
- Engl 150 (3) and Engl 250 (3)
- Sp Com 212 (3)
- Engl 302 (3) or Engl 309 (3) or Engl 314 (3) or Engl 312 (3)
- Lib 160 (1)

II) Mathematical Sciences (11-12 credits)
- Stat 101 (4) or Stat 104 (3)

Basic Mathematics
2 semesters with at least one semester of calculus
Suggested options:
- Math 143 (4) Pre-Calc or Math 145 (3) Trig & Math 160(4) Surv Calc
- Math 165(4) & Math 166 (4) Calc I&II
- Math 181(4) & Math 182 (4) Differential Equations for Life Sciences
- Math 165 (4) & Stat 301 (4)

III) Physical Sciences (23-31 credits)

General Chemistry (8 credits)
- Chem 177(4), 177L(1), and Chem 178(3)

Physics (5 or 10 Credits)
- Phys 111 (5) and Phys 112 (5) General (recommended)
- Phys 115 (5) Phys for Life Sci. (only if not doing further schooling)

Organic Chemistry (7 credits)
- Chem 331 (3), 331L (1), and 332 (3)

Biochemistry Choose 1 of the following (3-6 credits)
- BBMB 404 (3) and BBMB 405 (3)
- BBMB 301 (3)
- BBMB 316 (3)

IV) Personal Development, Human Relations, and Global Awareness (Total of 15 credits)
- Three credits in humanities
- Three credits in social sciences
- Three credits in ethics (See list)
- Three credits in international diversity (See list)
- Three credits in US diversity (See list)

V) Biological Sciences (15 credits)
- Biol 211 (3) and Biol 211L (1)
- Biol 212 (3) and Biol 212L (1)
- Biol 313 (3) and Biol 313L (1)
- Biol 314 (3) or Biol 328 (3)

VI) Microbiology (Total of 31 credits)*
Core Microbiology Courses (16 credits)
- F MICRO 110 (1) Orientation
- F/S MICRO 302 (3) Biology of Micro
- F MICRO 310 (3) Medical Microbiology
- S MICRO 320 (4) Molecular and Cellular Bact.
- S MICRO 430 (3) Micro Diversity & Ecology
- or S MICRO 477 (3) Bact-Plant Interactions or F Micro 456 (3) Mycology
- S MICRO 450 (2) Senior Seminar
- F MICRO 451 (R) Senior Seminar

Core Laboratory Courses (6 Credits)
- F/S MICRO 302L (1) General Micro Lab
- F MICRO 310L (1) Medical Micro Lab
- F/S MICRO 440 (4) Microbial Genetics & Physiology & Diversity & Ecology Lab

Microbiology Electives – (9 credits required) with no more than 3 credits from laboratory courses
Common Clinical Electives
- S MICRO 353 (3) Intro Parasitology
- S MICRO 374 (3) Insects & Our Health
- F MICRO 408 (3) Virology
- S MICRO 475 (3) Immunology
- S MICRO 475L (1) Immunology Lab
- F Ent 478 (3) Global Protozoology
- F MICRO 586 (3) Medical Bacteriology

Common Environmental Electives
- F MICRO 410 (3) Insect-Virus Interactions
- S MICRO 430 (3) Micro Diversity & Ecology
- F MICRO 456 (3) Mycology
- S MICRO 477 (3) Bacteria-Plant Interactions
- F MICRO 485 (3) Soil Micro Ecology
- F MICRO 487 (3) Microbial Ecology

Common Physiology/Genetics Elective
- F MICRO 402 (3) Microbial Genetics
- S BBMB 403 (3) Micro Physiology
- F MICRO 410 (3) Insect-Virus Interactions
- S MICRO 430 (3) Micro Diversity & Ecology

Common Food Microbiology Electives
- S MICRO 407 (3) Micro Food Safety
- S MICRO 419 (3) Foodborne Hazards
- F MICRO 420 (3) Food Microbiology
- F MICRO 421 (3) Food Microbiology Lab
- F/S/SS MICRO 490 (1-3) Independent Study

Other courses upon written request & review by the Undergrad Micro Supervisory Committee.

VII) Electives (8-16 credits) Courses to obtain 128 total credit hours
- Minor in Food Safety
- Minor in Emerging Global Diseases

*F=offered fall semester, S=offered spring semester, F*S* = offered alternate fall or spring