

M.S. PROGRAM REQUIRED CURRICULUM

For the M.S. students, it is required that students take 2 hours of BSC 420 Seminar. For students enrolled in the Conservation Biology Sequence, those hours must come from (1) 1 hour of BSC 420.29 (see Sequence Core Courses) and (2) 1 hour chosen from any other BSC 420 courses.

SEQUENCE REQUIRED CURRICULUM

Sequence Core Courses

BSC 406 Conservation Biology - 3 Credit Hours

BSC 420.29 Seminar in Conservation Biology - 1 Credit Hour

*BSC 490/420.27 Biostatistics/Biostatistics Lab - 4 Credit Hours

BSC 499 Thesis Research - 4 Credit Hours

Total Required Hours for Sequence Core = 12

Total Required Hours for Sequence Core + M.S. Additional BSC 420 = 13

*These two courses must be taken concurrently

ELECTIVE COURSES

Students in the sequence must take elective courses that add to at least 17 credit hours to meet the 30 credit hour requirement for a M.S. degree. For the sequence, these are to be distributed as follows:

1. (1) one course from each of the first three groups (I, II, III);
2. (2) fourth and fifth elective courses can be met in one of three ways (choices b and c require prior approval by the Director of the Conservation Biology Sequence):
 - (a) additional choice(s) from any of the four groups (I, II, III, IV),
 - (b) minimum of 3 hours of relevant Independent Study (BSC 400) or relevant Graduate Research in Biological Sciences (BSC 495),
 - (c) minimum of 3 hours of relevant other graduate course work at Illinois State University or another university.

ELECTIVE COURSES (CONT'D)

GROUP I--ECOLOGY

BSC 375/376 Stream Ecology - 4 Credit Hours

BSC 404 Population Ecology - 4 Credit Hours

BSC 405 Community Ecology - 4 Credit Hours

GROUP II--GENETICS & EVOLUTION

BSC 470 Evolution - 3 Credit Hours

BSC 488 Systematic Biology - 3 Credit Hours

GROUP III--TAXON FOCUS

BSC 301 Entomology - 4 Credit Hours

BSC 330 Biology of Algae - 4 Credit Hours

BSC 333 Plant Diversity - 4 Credit Hours

BSC 335/336 Plant Taxonomy/Laboratory in Plant Identification - 4 Credit Hours

BSC 396 Avian Biology - 4 Credit Hours

GROUP IV--OTHER ELECTIVES

GEO 303 Geographic Information Systems - 3 Credit Hours

GEO 304 Geographic Information Systems Applications - 3 Credit Hours

GEO 305 Remote Sensing I - 3 Credit Hours

BSC 311 Rain Forest Ecology - 3 Credit Hours

BSC 325 Ecological Physiology of Animals - 3 Credit Hours

BSC 333 Plant Diversity - 4 Credit Hours

BSC 353 Biotechnology Laboratory I: DNA Techniques - 3 Credit Hours

BSC 486 Ethology - 4 Credit Hours

Required Elective Hours = 17

Total Required Hours = 30