Secondary Education Degree B.A.E.
With Major Teaching Field in Biological Sciences
1999 - 2002 Checklist

A minimum of 40 hours is required in Life Sciences. At least 22 hours in supporting courses are also required.

REQUIRED COURSES (34 HOURS):
____ BIO 193 (4) The nature of Biological Science or
____ BIO 181 and BIO 182 (8) General Biology I and II
____ BIO 320 (3) Fundamentals of Ecology
____ BIO 340 (4) General Genetics
____ BIO 345 (3) Organic Evolution
____ BIO 360 (4) Basis Physiology
____ MIC 205 (3) Microbiology or MIC 220 (3) General Bacteriology
____ MIC 206 (1) Microbiology Lab
____ PLB 308 (4) Plant Physiology

ONE from the following:
____ BIO 385 (4) Comparative Invertebrate Zoology
____ BIO 370 (4) Vertebrate Zoology
____ PLB 300 (4) Survey of the Plant Kingdom
____ PLB 310 (4) The Flora of Arizona

ELECTIVES (6-10 hours minimum to bring the total to 40 hours): These must include at least one course from Biology and one from Plant Biology.
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REQUIRED SUPPORTING COURSES (22 HOURS):
____ CHM 113 (4) General Chemistry
____ CHM 115 (5) General Chemistry with Qualitative Analysis or
____ CHM 116 (4) General Chemistry (note the credit hour difference)
____ GLG 102 (3) Intro to Geology II or GLG 300 (3) Geology of Arizona
____ BIO 316/HIS 330 (3) History of Biology
____ MAT 170 (3) Precalculus
____ PHY 101 (4) Intro to Physics or
____ PHY 111 & 112, & 113 & 114 (8) General Physics

Additional required course for the professional education program:
____ BIO 480 (3) Methods of Teaching Biology (hours counted in Educ)