ZOOLOGY MAJOR CHECKLIST – 2008-2012 Undergraduate Catalogs

1. BIOLOGY (39 hours)

   A. Core Requirements (these provide 22 hours of the total of 39 hours required for the major):
      BIOL 1403*  Biology I (Fall only)
      BIOL 1404*  Biology II (Spring only)
      BIOL 3416*  Genetics
      BIOL 3320  Cell Biology
      BIOL 3120  Cell Biology Lab
      BIOL 3309  Principles of Ecology
      BIOL 4305*  Organic Evolution

   B. Any four Junior or Senior level ZOOL courses (BIOL 3302 may count for one of the four).

   C. Electives: Additional hours of JR/SR, 3000-4000, level Biological Sciences courses (prefixes BIOL, BOT, MBIO, ZOOL) as needed to bring the total of Biological Sciences coursework to the 39 hour minimum. **No more than 6 hours of undergraduate research credit may be counted toward any major in the department.**

      MBIO 3400 may NOT be used as an elective for a degree in Biology.

      * designates Writing Intensive -- at least 6 hours must be taken in the major at TTU -- cannot be transferred

ADJUNCT REQUIREMENTS (Courses required for the Biology degree, but taught in other departments)

2. CHEMISTRY (16 hours)

   CHEM 1307  Principles of Chemistry I (Pre-req: CHEM 1301 or Passing score on Chem. Placement Exam)
   CHEM 1107  Principles of Chemistry Lab I
   CHEM 1308  Principles of Chemistry II
   CHEM 1108  Principles of Chemistry Lab II
   CHEM 3305  Organic Chemistry I
   CHEM 3105  Organic Chemistry Lab I
   CHEM 3306  Organic Chemistry II
   CHEM 3106  Organic Chemistry Lab II

3. PHYSICS (8 hours)

   PHYS 1403  General Physics I (Pre-requisite MATH 1321 or 1550 or other trig-based math)
   PHYS 1404  General Physics II

4. MATHEMATICS (3 hours)

   MATH 1351 (Calculus) or MATH 2300 (Statistics)

Choosing a Minor: Every student in the College of Arts & Sciences (this includes all Biological Sciences majors) **must** have a minor. Although most Biological Sciences majors choose to minor in Chemistry, it is quite acceptable to minor in a subject other than Chemistry. To minor in Chemistry, consult the Chemistry advisor (in Chemistry Room 109) about additional chemistry courses to complete a CHEM minor.

NOTE: All grades in the major, minor, and adjunct requirements must be a "C" or higher.