Bachelor of Science (BS) Non-Teaching
Degree Code 259D

2007-2008
Checksheet for Geology Majors
PALEONTOLOGY

I. CORE CURRICULUM .................................................................................................................................. 44
Math 1110 will count toward math requirement. Either Chemistry 1101/1110 and 1102/1120 or Physics 1150 & 1151 will count toward science requirement.

II. MAJOR REQUIREMENTS ....................................................................................................................... 91
2.0 major GPA is required for graduation. Major GPA calculation will include all courses taken in the major department, plus any other courses under II.

A. Geology (41 semester hours):
GLY 1101 _____ (4) Introduction to Physical Geology (ND)
GLY 1102 _____ (4) Introduction to Historical Geology (ND)
GLY 2215 _____ (4) Earth Materials
GLY 2735 _____ (3) Preparation of Geologic Reports (W, C, S)
GLY 3150 _____ (3) Principles of Structural Geology and Tectonics (ND, C)
GLY 3215 _____ (3) Introduction to Crystal Chemistry and Optical Mineralogy (ND)
GLY 3800 _____ (3) Introduction to Stratigraphy and Sedimentology
GLY 4024 _____ (4) Paleontology & Historical Geology (W, CD, ND)
GLY 4210 _____ (1) Geology Seminar
GLY 4835 _____ (6) Summer Field Geology or other approved field course
And choose 6 semester hours geology electives at or above the 3000 level:

B. Biological Component (18 semester hours Biology)
BIO 1110 _____ (4) Concepts of Biology
And either BIO 2000 _____ (4) Introduction to Botany
OR BIO 2001 _____ (4) Introduction to Zoology
And 10 semester hours of BIO at or above the 3000 level:

C. Mathematics/Chemistry/Physics (26 semester hours)
MAT 1110 _____ (4) Calculus with Analytic Geometry I (ND)
MAT 1120 _____ (4) Calculus with Analytic Geometry II (ND)
CHE 1101 _____ (3) Introductory Chemistry I (ND)
CHE 1110 _____ (1) Introductory Chemistry I Lab
CHE 1102 _____ (3) Introductory Chemistry II (ND)
CHE 1120 _____ (1) Introductory Chemistry II Lab
PHY 1103 _____ (5) General Physics I (ND) or higher
PHY 1104 _____ (5) General Physics II (ND) or higher

D. Computer science/programming, GIS, or statistics courses (6 semester hours)
C S 1425 _____ (3) Overview of Computer Science (C)
GHY 2310 _____ (3) Cartographic Design & Analysis
GHY 3310 _____ (3) Environmental Remote Sensing (ND, C)
GHY 3810 _____ (3) GIS for Environmental & Social Sciences (ND, C)
During the senior year the B.S. (non-teaching) student must take and achieve a satisfactory score on a COMPREHENSIVE EXAMINATION covering theoretical and practical aspects in areas of geology. Students who are unsuccessful on portions or all of the examination may retake appropriate portions up to two additional times prior to graduation.

III. MINOR (optional)

IV. ELECTIVES (taken to total 125 hours for the degree) ................................................................................. 2
2 semester hours of free electives must be outside the major discipline.

Total 137
Minus hours double counted in core -12
Total hours must equal 125