Unofficial Graduation Checklist

Name _____________________________________________________ R# ______________________
Catalog year ___________________

Major – Biology (Specialization in Ecology & Environmental Biology)

Biology Core (18 hours)
____ BIOL 1403 Biology I* (Fall only)
____ BIOL 1404 Biology II* (Spring only)
____ BIOL 3416 Genetics*
____ BIOL 3309 Principles of Ecology
____ BIOL 4305 Organic Evolution* * Indicates Writing Intensive

Group Requirements

Group I (Choose 1 from approved list on back)

Group II (Choose 1 from approved list on back)

Group III (Choose 4 from approved list on back)
1. ________________ 2. ________________
3. ________________ 4. ________________

Biological Sciences Electives (Additional hours of 3000-4000, level Biological Sciences courses (prefixes BIOL, BOT, MBIO, ZOOL) as needed to bring the total to the 39 hour minimum.

- Does NOT include MBIO 3400
- You may apply either PHIL 3322 or 3325 as an upper-division elective
- Honor’s students may apply either EVHM 3305 or 3350
- No more than 6 hours of Undergraduate Research may apply to your degree.

Chemistry (16 hours)
____ CHEM 1307 Principles of Chemistry I
____ CHEM 1107 Exp. Principles of Chemistry I
____ CHEM 1308 Principles of Chemistry II
____ CHEM 1108 Exp. Principles of Chemistry II
____ CHEM 3305 Organic Chemistry I
____ CHEM 3105 Exp. Organic Chemistry I
____ CHEM 3306 Organic Chemistry II
____ CHEM 3106 Exp. Organic Chemistry II

Physics (8 hours)
____ PHYS 1403 General Physics I
____ PHYS 1404 General Physics II (or approved substitute)

Math (Minimum 6 hours)
____ MATH 2300 or 1451
____ Math ______

General Education Requirements: When selecting courses to fulfill your General Education requirements, you must ALWAYS refer to the approved selection of courses in the TTU catalog.

English (12 hours required)
____ ENGL 1301
____ ENGL 1302
____ 2000-level English Lit
____ 2000-level English Lit

Oral Communication (3 hours required)
____ Choose from COMS 2300, COMS 2358, CFAS 2300, ENGR 2331, or MCOM 2310

Foreign Language (11-16 hours required of a single language that must include a minimum of 6 hours at the 2000-level or above)

U.S. & Texas History (6 hours) Choose 2 of 3:
____ HIST 2300  ____ HIST 2301  ____ HIST 2310

U.S. & Texas Government (6 hours)
____ POLS 1301  ____ POLS 2302

Social & Behavioral Sciences (3 hours)

Creative Arts (3 hours) ________

Personal Fitness & Wellness (2 hours) 2 different classes, beginning classes must be taken before advanced. See catalog for complete list.

Multicultural (3 hours) __________

Mathematics (6 hours) & Life Sciences (8 hours) are met by your Biology degree requirements.

Language, Philosophy & Culture — Fulfilled by English Lit
Approved list of electives:

**Group I (Choose one)**
- BOT 3401* Plant Physiology (may substitute cross-listed as NRM 3401)
- BIOL 3306 Principles of Plant Biology
- MBIO 3401 Principles of Microbiology
- ZOOL 4409* Comparative Animal Physiology
- BIOL 3320 and 3120 Cell Biology and Lab

**Group II (Choose one)**
- BOT 3404* Evolution and Classification of Plants
- ZOOL 3405 Vertebrate Structure and Development
- ZOOL 3406 Comparative Invertebrate Zoology
- ZOOL 4407 Natural History of Vertebrates

**Group III (Choose four)**
- BIOL 3307* Population Biology
- BIOL 3405 Ecological Strategies of Plants
- BIOL 4301 Special Topics
- BIOL 4310 Community Ecology
- BIOL 4330 Landscape Ecology
- BIOL 3301 Field Ecology
- ZOOL 3403 Parasitology
- ZOOL 4312 Animal Behavior
- ZOOL 4321 Insect Diversity
- ZOOL 4406 Intro to Mammalogy
- ZOOL 4408 General Ornithology
- ZOOL 4410* Intro to Ichthyology
- ZOOL 4421 Field Herpetology
- MBIO 4401 Microbial Ecology

**Other Graduation Requirements:**

**Minor ___________________________**

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**Have you taken 40 hours of 3000-4000 (upper) level classes?**

**Writing Intensive Classes** (indicated with an * on this checklist and a complete listing is available in the Course Catalog) You must take 6 hours of writing intensive classes at TTU in your major

**Optional Courses:**

**Pre-requisites for Post-graduate programs**

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