

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

ENGL 2311, 2305, 2306, 2307, 2308, 2351, 2388, 2391
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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

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

Other Graduation Requirements:

Minor _____

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
