

Unofficial Graduation Checklist

Name _____

R# _____

Catalog year **2017-2019**

Major – Biology (Specialization in Ecology & Environmental Biology)

Biology Core (18 hours)

- ____ BIOL 1403 Biology I (CL) (Fall only)
- ____ BIOL 1404 Biology II (CL) (Spring only)
- ____ BIOL 3416 Genetics (CL)
- ____ BIOL 3309 Principles of Ecology
- ____ BIOL 3305 Organic Evolution

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 or 3334 as an upper-division elective
- 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 _____ (college algebra or higher)

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 →

i.e. ENGL 2307, 2351,
2388, 2391, 2310, 2381,
2382, 2383

** Note –ENGL 2371 will not complete Eng. Lit requirement

Oral Communication (3 hours required)

- ____ Choose from COMS 2300, COMS 2358, CFAS 2300, ENGR 2331, or MCOM 2310

Foreign Language (Hours vary) A minimum of one semester of foreign language at the 2000-level or above plus necessary pre-reqs.

U.S. & Texas History (6 hours) Choose 2 of following 3:

- ____ HIST 2300 ____ HIST 2301 ____ HIST 2310

U.S. & Texas Government (6 hours)

- ____ POLS 1301 ____ POLS 2306
- POLS 2302 prior to 2017 catalog)

Social & Behavioral Sciences (3 hours)

Creative Arts (3 hours) _____

Personal Fitness & Wellness (1 hour)

Multicultural (3 hours) _____

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

Language, Philosophy & Culture (3 hours) _____

*May be Fulfilled by English Lit

Communication Literacy Classes – Beginning with the 2017 catalog and beyond, you must take 3 Communication Literacy courses in your major.

Approved list of electives:

Group I (Choose one)

- BIOL 3306 Principles of Plant Biology
- MBIO 3401 Principles of Microbiology
- ZOOL 4409 Comparative Animal Physiology (CL)
- BIOL 3320 and 3120 Cell Biology and Lab

Group II (Choose one)

- BOT 3404 Evolution and Classification of Plants (CL)
- ZOOL 3405 Vertebrate Structure and Development
- ZOOL 3406 Comparative Invertebrate Zoology (CL)
- ZOOL 4407 Natural History of Vertebrates

Group III (Choose four)

- BIOL 3301 Field Ecology
- BIOL 3303 Tropical Marine Biology (CL)
- BIOL 3307 Population Biology
- BIOL 3405 Plant Ecology (CL)
- BIOL 4301 Special Topics
- BIOL 4310 Community Ecology
- BIOL 4330 Landscape Ecology
- BIOL 4350 Physiological Plant Ecology
- BOT 4304 Plant Molecular Biology
- ZOOL 4311 Medical Entomology (CL)
- ZOOL 4312 Animal Behavior
- ZOOL 4321 Insect Diversity
- ZOOL 3403 Parasitology (CL)
- ZOOL 4406 Intro to Mammalogy
- ZOOL 4408 General Ornithology
- ZOOL 4410 Intro to Ichthyology (CL)
- ZOOL 4421 Field Herpetology (CL)
- MBIO 4401 Microbial Ecology (CL)

Other Graduation Requirements:

Minor _____

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

Optional Courses:

Pre-requisites for Post-graduate programs

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