

# Unofficial Graduation Checklist

Name \_\_\_\_\_

R# \_\_\_\_\_

Catalog year – **2017-2019**

Major – **Biology**

## Biology Core (22 hours)

- \_\_\_\_\_ BIOL 1403 Biology I (CL) (Fall only)
- \_\_\_\_\_ BIOL 1404 Biology II (CL) (Spring only)
- \_\_\_\_\_ BIOL 3305 Organic Evolution
- \_\_\_\_\_ BIOL 3416 Genetics (CL)
- \_\_\_\_\_ BIOL 3309 Principles of Ecology
- \_\_\_\_\_ BIOL 3120 Cell Biology Lab
- \_\_\_\_\_ BIOL 3320 Cell Biology

## Biology Electives (17 hours)

(Choose from any 3000-4000 level electives in BIOL, BOT, MBI0 or ZOOL)

- Does **NOT** include MBI0 3400
- You may apply either PHIL 3322, 3325, or 3334 as an upper-division elective, but only one.
- No more than 6 hours of Undergraduate Research may apply to your degree.

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## 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

## Math (Minimum 6 hours)

- \_\_\_\_\_ MATH 2300 or 1451
- \_\_\_\_\_ Math \_\_\_\_\_ (college algebra or higher)

**All grades in the major, minor, and adjunct requirements must be a grade of "C" 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 (9 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.

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## 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)

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## Creative Arts (3 hours)

## Personal Fitness & Wellness (1 hour)

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## 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 selected English Lit

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

**Other Graduation Requirements:**

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

**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**

**Approved CL Electives**

Courses in the Communication Literacy plan:

- BIOL 3303 - Tropical Marine Biology
- BIOL 3405 - Plant Ecology
- BIOL 3410 - Experimental Molecular Biology
- BIOL 4101 - Biology Seminar
- BIOL 4301 - Special Topic: Immune Response to Infectious & Inflammatory Disease
- BIOL 4301 - Special Topic: Neurobiology
- BIOL 4307 - Cancer Biology
- BIOL 4320 - Molecular Biology
- BOT 3404 - Evolution and Classification of Plants
- MBIO 4303 - Physiology of Bacteria
- MBIO 4367 - Molecular Pathogenesis of Protozoans
- MBIO 4401 - Microbial Ecology
- ZOOL 3403 - Parasitology
- ZOOL 3406 - Comparative Invertebrate Zoology
- ZOOL 4409 - Comparative Animal Physiology
- ZOOL 4410 - Introduction to Ichthyology
- ZOOL 4311 - Medical Entomology
- ZOOL 4421 - Field Herpetology