

BIOLOGICAL SCIENCE MAJOR: BOTANY SCIENCE CONCENTRATION

NAME: _____

Entering Major: _____ Graduation: _____

GRADUATION REQUIREMENTS

1. Complete all Biology Core, Botany Core, Physical Sciences/Math, and AUCC Requirements.
2. **Minimum of 120 total credits.**
3. Minimum of **42 upper division credits** (300 level or above).
*30 upper division credits must be in-residence at CSU
4. Minimum of **2.0 CUMULATIVE GPA.**

GRADE REQUIREMENTS

Must earn at least a C- in all the Biology Core, Upper Division Zoology, and Physical Sciences/Math courses. This also applies to courses taken as substitutions for these requirements.

BIOLOGY CORE REQUIREMENTS

LIFE102 Attributes of Living Systems (4) _____

LIFE103 Biology of Organisms (4) _____

OR

BZ110 Principles of Animal Bio (3) _____

BZ111 Principles of Animal Lab (1) _____

BZ120 Principles of Plant Biology (4) _____

BZ220 Introduction to Evolution (3) _____

BZ310 Cell Biology (4) _____

BZ350 Molecular & General Genetics (4) _____

BOTANY REQUIREMENTS

BZ325 Plant Systematics (4) _____

BZ331 Plant Anatomy (4) _____

BZ440 Plant Physiology (3) _____

BZ441 Plant Physiology Lab (2) _____

BZ450 Plant Ecology (4) _____

SELECT TWO FROM THE FOLLOWING

BZ332 Phycology (4) _____

BZ333 Mycology (4) _____

BZ 338 Comp. Morph. of Vascular Plants (4) _____

SELECT TWO FROM THE FOLLOWING

ATS350 Intro. to Weather and Climate (2) _____

NR130 Global Environmental Systems (3) _____

GEOL 122 The Blue Planet: Geology of our Environment _____

SOCR 240 Introductory Soil Science (4) _____

Student Signature _____

Date _____

Signature acknowledges that student has been informed of degree requirements. Courses may change based on curriculum and course availability.

PHYSICAL SCIENCES/MATH

CHEMISTRY

CHEM111(4)_____ CHEM112(1)_____

AND

CHEM113(3)_____ CHEM114(1)_____

ORGANIC CHEMISTRY

CHEM245 (4) _____ CHEM246 (1) _____

OR

CHEM341 (3)_____ CHEM343 (3)_____ CHEM344 (2)_____

BIOCHEMISTRY

BC351 (4) _____

OR

BC401 (3) _____ BC403 (3) _____

PHYSICS

PH121 (5) _____ PH122 (5) _____

OR

PH141 (5) _____ PH142 (5) _____

CALCULUS

MATH155 (4) _____ **OR** MATH160 (4) _____

STATISTICS

STAT301 (3) _____ **OR** STAT307 (3) _____

Requirements for earning credit for Internships, Research, Independent Study, and Supervised Teaching (BZ384, BZ487, BZ495, BZ498).

- Cumulative GPA: 2.5 GPA in major: 3.0

- Junior standing or higher.

With approval of the Curriculum Committee, up to 3 credits can be applied toward a student's Selected/Additional Field requirements.

ALL UNIVERSITY CORE CURRICULUM (AUCC)

Must earn at least a 2.0 cumulative GPA in the AUCC courses.

Category 1

1A Written Communication (3 credits)

CO150 _____

Category 2

2 Additional Communication (3 credits)

Advanced Writing _____

Category 3

3B Arts/Humanities (6) _____

3C Social/Behavioral (3) _____

3D Historical Perspectives (3) _____

3E Global & Cultural Awareness (3) _____

Category 4: Depth and Integration

TRACK 1 HONORS PROGRAM STUDENTS ARE REQUIRED TO TAKE THE FOLLOWING COURSES TO FULFILL THE AUCC CURRICULUM

Category 1: Basic Competencies

HONR192 First Year Seminar (4) _____

HONR193 Seminar (3) _____

Category 2: Additional Communication

Advanced Writing (3) _____

Category 3B: Arts/Humanities

HONR292 Seminar (3) _____ (For students entering Fall 2015 and later)

OR

Additional Arts/Humanities (3) _____ (For students entering before Fall 2015)

HONR392 Seminar (3) _____

Category 3C: Social/Behavioral

HONR492 Senior Seminar (3) _____

Category 3D: Historical Perspectives and 3E: Global & Cultural Awareness

HONR399 Pre-Thesis (1) _____

HONR499 Thesis (3) _____
