

BIOLOGICAL SCIENCE MAJOR: BOTANY CONCENTRATION

NAME: _____

FALL 2004

Entering Major (Semester): _____

Transfer Credits: _____

GRADUATION REQUIREMENTS

1. Complete the All University Core Curriculum (AUCC)
See General Catalog.
2. Complete Botany Core Requirements.
3. Complete a **minimum of 120 total credits**.
4. A **minimum of 42 upper division credits** (300 level or above).
5. Minimum of 2.0 CUMULATIVE GPA
6. Complete the Department's Outcome Assessment Report.

INDEPENDENT STUDY

Independent Study Courses: Internship BZ487/BZ587, Seminar: BZ492, Independent Study: BZ495V/BZ594V, Field Research: BZ498V. Supervised College Teaching: BZ384V/BY384V, BZ584V.

Requirements for participation in Independent Study

- Cumulative GPA: 2.5 GPA in major: 3.0 GPA.
- Junior standing or higher
- For more than 3 credits, per term, student must have approval of Curriculum Committee.

CORE REQUIREMENTS

To be qualified for graduation, students in the Botany major must have at least a grade of C- in each of the **Core and Physical Sciences** courses. This also applies to courses taken as substitutions for meeting these requirements.

CORE REQUIREMENTS

LSCC102 Attributes of Living Systems (4) _____

LS103 Biology of Organisms (4) _____

-OR-

BZCC110 Principles of Animal Bio (3) _____

BZCC111 Principles of Animal Lab (1) _____

BZCC120 Principles of Plant Biology (4) _____

BZ220 Introduction to Evolution (3) _____

BY310 Cell Biology (4) _____

BZ350 Molecular & General Genetics (4) _____

BZ325 Plant Systematics (4) _____

BZ331 Plant Anatomy (4) _____

BZ440 Plant Physiology (3) _____

BZ441 Plant Physiology Lab (2) _____

BZ450 Plant Ecology (4) _____

SELECT 2 FROM THE FOLLOWING

BZ332 Phycology (4) _____

BZ333 Mycology (4) _____

BZ338 Comp. Morph. of Vascular Plants (4) _____

SELECT 2 FROM THE FOLLOWING

AT 350 Intro. to Weather and Climate (2) _____

NRCC130 Global Environmental Systems (3) _____

G CC122 The Blue Planet: Geology of our Environment _____

GR210 Physical Geography (3) _____

SC240 Introductory Soil Science (4) _____

PHYSICAL SCIENCES

CHEMISTRY

CCC111(4)____ CCC112(1)____ C113(3)____ C114(1)____

ORGANIC CHEMISTRY

C245 (4) _____ C246 (1) _____

-OR-

C345 (4) _____ C346 (4) _____

Honors

C340 (4) _____ C342 (4) _____

BIOCHEMISTRY

BC351 (4) _____

-OR-

BC401(3) _____ BC403(3) _____

PHYSICS

PHCC121 (5) _____ PHCC122 (5) _____

-OR-

PHCC141 (5) _____ PHCC142 (5) _____

ALL UNIVERSITY CORE CURRICULUM (AUCC)

Category 1

1. A. Written Communication (3 credits)

COCC 150 _____

1. B. Mathematics (3 credits)

MCC155 (4) _____ **OR** MCC160 _____

Category 2

- 2.A. Additional Communication (3 credits) _____

- 2.B. Quantitative and/or Logical Thinking:

STCC301 (3) _____ **OR** STCC307 (3) _____

OR EHCC307 (3) _____

Category 3

- 3.B. Arts/Humanities (3) _____

3.C. Social/Behavioral (3) _____

3.D. Historical Perspectives (3) _____

3.E. Global & Cultural Awareness (3) _____

3.F. *U.S. Public Values & Inst. (3) _____

3.G. Health & Wellness (2) _____

Category 4: Depth and Integration (5 crs. Minimum)

BZ350 (4) _____ **AND** BZ450 _____

Note: For Category 3C, 3D & 3F – a minimum of 6 credits is to be taken in these 3C categories. There are courses listed in 3F that can also fulfill Category 3C or 3D. Student will then need to take a course for the Category **not fulfilled by 3F.*

UPPER DIVISION COURSES

Of the **120 credits** required for graduation, a **minimum of 42 credits** must be earned at the 300 level or above.

**List total credits by semester, or
total transfer credits - do not list by course**

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Revised 05/13/04

**HONORS PROGRAM STUDENTS FULFILL THE FOLLOWING REQUIREMENTS FOR THE HONORS PROGRAM
INSTEAD OF THE AUCC CORE**

Mathematics/Calculus:

MCC 155 (4) _____ **OR** MCC160 _____

Quantitative and/or Logical Thinking:

STCC301 (3) _____ **OR** STCC307 (3) _____ **OR** EHCC307 (3) _____

Health & Wellness (2) _____

HPCC192 (4) _____ HPCC193 (3) _____ HPCC 392 (3) _____ HP399 (1) _____ HP492 (3) _____ HP499 (3) _____ S