

BIOLOGICAL SCIENCE MAJOR: BIOLOGICAL SCIENCE CONCENTRATION

NAME: _____

FALL 2004

Entering Major Semester: _____

Transfer Credits _____

GRADUATION REQUIREMENTS

1. Complete the All University Core Curriculum -- See General Catalog.
2. Complete Biology 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/BZ594, Field Research BZ498. Supervised College Teaching: BY384V/BZ384V/BZ584V. **Only BZ487V/495V and/or BZ498V may be applied towards a student's SELECTED FIELD with approval of the Biology Curriculum Committee.**

Requirements for participation in Independent Study

- Cumulative GPA: 2.5 GPA in major: 3.0
- 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 Biology major **must have at least a grade of C-** in each of the **Core, Physical Sciences and Mathematics** 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) _____

BY311 Developmental Biology (4) _____

ECOLOGY: SELECT 1 COURSE FROM THE FOLLOWING:

BY320 Ecology (3) _____

BZ450 Plant Ecology (4) _____

GENETICS:

BZ350 Molecular & General Genetics (4) _____

SELECTED AND ADDITIONAL FIELDS

In addition, select **12 credits** in **one field** and a *minimum* of **one course** in each of **two additional fields**.

See attached list.

→ Selected Field is _____

SELECTED FIELD FOR 12 CREDITS

_____	_____
_____	_____
_____	_____
_____	_____

2 ADDITIONAL FIELDS

(minimum 6 credits)

_____	_____
_____	_____

PHYSICAL SCIENCES

CHEMISTRY

C CC111(4)_____ C CC112(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 (4) _____

Category 2

2. A. Additional Communication (3 credits) _____

2. B. Logical/Critical Thinking (3 credits)
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 credits minimum)

BY320 _____ and BZ350 _____
 -- OR --
 BZ350 _____ and BZ450 _____

Note: For Category 3C, 3D & 3F – a minimum of 6 credits is to be taken in these 3Categories. 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, 400, & 500 level.

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

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 Revised: 3/16/04

ON THE FOLLOWING PAGES ARE APPROVED COURSES FROM WHICH A STUDENT IN BIOLOGICAL SCIENCES MUST SELECT AT LEAST 12 CREDITS IN ONE SELECTED FIELD AND A MINIMUM OF 6 CREDITS IN TWO ADDITIONAL FIELDS. COURSES USED TO FULFILL BIOLOGY CORE REQUIREMENTS MAY NOT BE USED TO MEET REQUIREMENTS IN THE FIELD AREAS



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

Mathematics/Calculus:

MCC155 (4) _____ OR MCC160 (4) _____

Quantitative and/or Logical Thinking:

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

Health & Wellness (2) _____

HPCC192 (4) _____ HPCC193 (3) _____ HPCC392 (3) _____ HP399 (1) _____ HP492 (3) _____ HP499 (3) _____

