

# BIOLOGICAL SCIENCE

Fall 1999 – USP or ASCC

NAME: \_\_\_\_\_

Entering Major Semester: \_\_\_\_\_

## GRADUATION REQUIREMENTS

1. Complete the University Studies Program -- 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 and above).  
**30 credits** must be taken at Colorado State University.
5. Minimum of **2.0 GPA**. *Note: a C- average does not meet this requirement.*
6. Complete the Department's Outcome Assessment Report.

New	_____
Transfer	_____
Readmit	_____

## INDEPENDENT STUDY

**Courses considered Independent Study:** Internship: BZ487 & BZ587, Seminar: BZ492, Independent Study: BZ495V & BZ594, Field Research: BZ498. Supervised College Teaching: BY384V, BZ384V, BZ584V

### **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 semester, student must have approval of Curriculum Committee.

## CORE REQUIREMENTS

**The following grade rule is only for new freshman from fall 1998 forward. It does not apply to on-going, transfer or readmit students.** 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

- LS102 Attributes of Living Systems (4) \_\_\_\_\_  
LS103 Biology of Organisms (4) \_\_\_\_\_  
BY310 Cell Biology (4) \_\_\_\_\_  
BY311 Developmental Biology (4) \_\_\_\_\_  
-OR-  
BZ110 Principles of Animal Biology (3) \_\_\_\_\_  
BZ111 Principles of Animal Lab (1) \_\_\_\_\_  
BZ120 Principles of Plant Biology (4) \_\_\_\_\_  
BY310 Cell Biology (4) \_\_\_\_\_  
BY311 Developmental Biology (4) \_\_\_\_\_

### ECOLOGY: SELECT A COURSE FROM THE FOLLOWING:

- BY320 Ecology (3) \_\_\_\_\_  
-OR-

BZ450 Plant Ecology (4) \_\_\_\_\_

### GENETICS: SELECT 1 COURSE FROM THE FOLLOWING:

- BZ 350 Molecular & General Genetics (4) \_\_\_\_\_  
SC330 Principles of Genetics (3) \_\_\_\_\_  
BZ346 Evolution and Heredity (3) \_\_\_\_\_  
BZ455 Human Heredity and Birth Defects (3) \_\_\_\_\_

In addition to the above, 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

C111 (4) \_\_\_\_\_ C112 (1) \_\_\_\_\_ C113 (3) \_\_\_\_\_ C114(1) \_\_\_\_\_

### ORGANIC CHEMISTRY

C245 (4) \_\_\_\_\_ C246 (1) \_\_\_\_\_

-OR-

C341 (3) \_\_\_\_\_ C343 (3) \_\_\_\_\_ C344 (2) \_\_\_\_\_

-OR-

C345 (4) \_\_\_\_\_ C346 (4) \_\_\_\_\_

### Honors

C340 (4) \_\_\_\_\_ C342 (4) \_\_\_\_\_

### BIOCHEMISTRY

BC351 (4) \_\_\_\_\_ -OR- BC401(3) \_\_\_\_\_ BC403 (3) \_\_\_\_\_

### PHYSICS

PH121 (5) \_\_\_\_\_ PH122 (5) \_\_\_\_\_

-OR-

PH141 (5) \_\_\_\_\_ PH142 (5) \_\_\_\_\_

### UNIVERSITY STUDIES PROGRAM AND ARTS AND SCIENCE CORE CURRICULUM (ASCC) REQUIREMENTS

**Freshmen entering Biology in Fall 1998 are responsible for completing the ASCC requirements.**

#### I. **SKILLS: 12-15 Credits Required**

A. English Comp: CO150 \_\_\_\_\_ (3)

B. Mathematics:

M155 (4) \_\_\_\_\_ OR M160 (4) \_\_\_\_\_

C. Quantitative and/or Logical Thinking:

ST301 (3) \_\_\_\_\_ OR ST307 (3) \_\_\_\_\_ OR  
EH307 (3) \_\_\_\_\_

D. Communication: (3-5 crs.) Select one course:

CO301A-C (3), JT200(3), JT300(3),

L107(C,I,J,R) or above (5), L200(F,G,S) or above (3-5), SP200(3) \_\_\_\_\_( )

Physical Education/Wellness: (2 credits). Select from the USP List (see class schedule).

\_\_\_\_\_ ( ) \_\_\_\_\_ ( )

Cross-Cultural Awareness: Fulfilled by History Course

\_\_\_\_\_ ( )

II. **FOUNDATIONS AND PERSPECTIVES:**

**24-26 Credits Required**

A. Natural Sciences: This requirement is fulfilled by Chemistry and Physics.

B. The Arts: (3 crs.) Select one course:  
AR100, D110, MU100, TH141 \_\_\_\_\_( )

C. Humanities: (3 crs.) Select one course:  
AU201, E140, E232, E242, E270, L250, PL100, PL105, SP100 \_\_\_\_\_( )

D. History: (3 crs.) Select one course:  
HY101, HY151, HY171 \_\_\_\_\_( )

E. Social Sciences: (3 crs.) Select one course:  
AP100, AP140, EA102, EC100, EC102, JT100, PO241, PY100, S100, S105 \_\_\_\_\_( )

F. Diversities: (3 crs.) Select one course:  
AP200, EC211, ET200, LB170, LB171, MU231, PL106, PL171, PL251, S205, SP105, WS200 \_\_\_\_\_( )

G. Integrative Learning – Check one:  
LSCC102 & LS103 \_\_\_ **OR** BZ110/111 & BZ120 \_\_\_

**UPPER DIVISION**

Of the **120 credits** required for graduation, a minimum of **42 credits** must be earned at the 300 level and above. **30 credits** must be taken at Colorado State University

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


Disk: Checksheets/Biology  
**Revised:** 5/23/03

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

**Please Note!!**

Any courses that are numbered 384 - Supervised College Teaching, 487 & 587 – Internship, 492 - Seminars and 495 - Independent Study, 498 Field Research, **CANNOT** be used for selected or additional fields. They will be used toward upper division credits. However, a waiver/substitution form may be submitted to the department’s Curriculum Committee to waive this restriction.