

Name _____

Major Applied Biological Sciences

Degree BS

Applied Biological Sciences Concentration

I. English Proficiency (6 hrs)

(University requirement - "C" min required)

<u>Hrs</u>	<u>Cr</u>	<u>Trans</u>
ASU	Tr	from
		Gr

ENG 101 First-Year Comp (3) and
ENG 102 First-Year Comp (3) or, if eligible,
ENG 105 Adv First-Year Comp (3)

(see Catalog for eligibility requirements)

Sub Total (I) _____

II. General Studies (35 hrs) (see Catalog for approved courses)

A. Humanities & Social Sciences (15 hrs) Combined requirement: Six hours in one area, nine hours in the other, and three hours must be upper-division.

Humanities/Fine Arts (6-9 hrs min.) (HU)

Social/Behavioral Sciences (6-9 hrs min) (SB)

Awareness Areas- Cultural, Global and Historical awareness areas must be satisfied. Courses that are listed for a core and awareness area may satisfy both requirements concurrently, as may courses that are listed for more than one awareness area.

C: _____

G: _____

H: _____

B. Literacy/Critical Inquiry (6 hrs min)

L: _____

L: _____

C. Natural Sciences (8 hrs min) SQ/SG- At least four hours must be SQ

D. Mathematical Studies (6 hrs min) One MA (mathematics course) and one CS (Computer/statistics/quantitative applications) course.

Sub Total (II) _____

III. Applied Biological Sciences Core (*May be cross listed with General Studies)

BIO 187 General Biology I (4) SG

BIO 188 General Biology II (4) SQ

ABS 300 Environmental Biology (3)

ABS 302 Ethical and Policy Issues in Biology (2)

BIO 340 General Genetics (4)

ABS 350 Applied Statistics (3) CS

Choose one of the three courses below:

BIO 360 Animal Physiology (3)

OR

PLB 308 Plant Physiology (4)

OR

ABS 311 Applied Cell Biology

MAT 210 Brief Calculus (3) MA

CHM 113 General Chemistry (4) SQ

Total: (30 - 31)

IV. Applied Biological Sciences Concentration

<u>Hrs</u>	<u>Cr</u>	<u>Trans</u>
ASU	Tr	from
		Gr

ABS 355 Vertebrate Zoology (4)

ABS 370 Ecology (3)

ABS 490 Applied Biological Sci. Seminar (1)

CHM 116 General Chemistry SQ (4)

Choose between the organic chemistry course combinations below:

1. CHM 231 Elementary Organic Chemistry (3)

CHM 235 Elementary Organic Chem. Lab (1)

OR

2. CHM 331 General Organic Chemistry (3)

CHM 332 General Organic Chemistry (3)

CHM 335 General Organic Chemistry Lab (1)

CHM 336 General Organic Chemistry Lab (1)

Choose between the organic physics course combinations below:

1. PHY 101 Introduction to Physics (4)

OR

2. PHY 111 General Physics (3)

PHY 112 General Physics (3)

PHY 113 General Physics Lab (1)

PHY 114 General Physics Lab (1)

Approved Electives in Applied Biological Sciences and Science (12)

Total: (32 -40)

TOTAL PROGRAM HOURS:

I. English

II. General Studies

III. ABS Core

IV. ABS Concentration

Upper-Division Electives

Total Program Hours

Graduation Requirements (Regular Curriculum -120 hours)

Total upper-division hours _____ (minimum required - 45)