

Name _____

Major Applied Biological Sciences

Degree BS

Applied Biological Sciences/Secondary Education Concentration

I. English Proficiency (6 hrs) (University requirement - "C" min required)	<u>Hrs Cr</u>		<u>Trans from</u>	<u>Gr</u>
	<u>ASU</u>	<u>Tr</u>		
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				
SQ/SG:				
SQ/SG:				

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

Sub Total (II) _____

III. Applied Biological Sciences Core (*May be cross listed with General Studies)				
ABS 350 Applied Statistics (3) CS				
BIO 187 General Biology I (4) SG				
BIO 188 General Biology II (4) SQ				
MAT 210 Brief Calculus (3) MA				
Total: (14)				

IV. Applied Biological Sciences/ Secondary Education Concentration	<u>Hrs Cr</u>		<u>Trans from</u>	<u>Gr</u>
	<u>ASU</u>	<u>Tr</u>		
ABS 150 Environmental Conservation (3)				
ABS 207 Applied Plant Taxonomy (3)				
ABS 355 Vertebrate Zoology (4)				
ABS 370 Ecology: Indv, Pop, and Comm (3)				
BIO 201 Human Anatomy & Physiology I (4) SG				
BIO 340 General Genetics (4)				
CHM 113 General Chemistry (4) SQ				
CHM 115 Gen Chem w/Qual Analysis (5) SQ				
MIC 205 Microbiology (3) SG				
MIC 206 Microbiology Lab (1) SG				

	<u>Hrs Cr</u>		<u>Trans from</u>	<u>Gr</u>
	<u>ASU</u>	<u>Tr</u>		
PHY 101 Introduction to Physics (4) SQ				

Choose between the course combinations below:

1. BIO 360 Animal Physiology (3)				
BIO 361 Animal Physiology Lab (2)				

OR

2. PLB 308 Plant Physiology (4)				
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Upper Division Elective*: (4)

Total: (46-47)

*The elective is BIO 202 if BIO 201 is taken.

V. Secondary Education Course Work

BIO 480 Methods of Teaching Biology (3)				
BIO 482 Adv Methods of Teaching Bio (3)				
EDC 350 Educ Tech I: Applications (1)				
EDC 351 Educ Tech II: Instr and Eval (1)				
EDC 352 Educ Tech III: Design (1)				
EDC 494 ST: Professional Knowledge (2)				
EDP 303 Human Development (3) L				
EDP 310 Educational Psychology (3) SB				
RDG 301 Literacy & Instr in Cont Areas (3)				
SED 403 Middle and Secondary School Principles, Curriculum, and Methods (3)				
SED 478 Std Teaching in Sec Schools (10-12)				
SED 496 Field Experience (0)				
SPE 394 ST: Inclusion Practices at Sec Lvl (3)				
Total: (36-38)				

Strongly Recommended:

MCE 446 Understanding the Culturally Diverse Child (3) C
SPE 311 Orientation to Education of Exceptional Children (3) SB

TOTAL PROGRAM HOURS:

I. English				
II. General Studies				
III. ABS Core				
IV. ABS Secondary Educ Concentration				
V. Secondary Educ Course Work				
Total Program Hours				

Graduation Requirements (Regular Curriculum -120 hours)

Total upper-division hours _____ (minimum required 45)

