

Name _____

Major Applied Biological Sciences

Degree BS

Ecological Restoration Concentration

I. English Proficiency (6 hrs) (University requirement - "C" min required)	<u>Hrs Cr</u>		<u>Trans</u> <u>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: ABS 480 Ecosystem Mgt & Planning L (3)

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

SQ/SG: BIO 187 General Biology 1 SG (4)				
SQ/SG: BIO 188 General Biology 2 SQ (4)				

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

MA: MAT 210 Brief Calculus (3)				
CS: ABS 350 Applied Statistics or equivalent (3)				
Sub Total (II)				

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

ABS 150 Environmental Biology (3)				
ABS 301 Technology and Biology (2)				
ABS 302 Policy and Biology (2)				
ABS 312 Structure & Function (4)				
ABS 350 Applied Statistics or equivalent (3) CS				
BIO 187 General Biology I (4) SG				
BIO 188 General Biology II (4) SQ				
BIO 340 General Genetics (4)				

Choose between the two courses below:

BIO 360 Animal Physiology (3)				
OR				
PLB 308 Plant Physiology (4)				
MAT 210 Brief Calculus (3) MA				
Total: (32 - 33)				

IV. Ecological Restoration Concentration	<u>Hrs Cr</u>		<u>Trans</u> <u>from</u>	<u>Gr</u>
	<u>ASU</u>	<u>Tr</u>		
ABS 207 Applied Plant Taxonomy (3)				
ABS 225 Soils (3)				
ABS 226 Soils Lab (1)				
ABS 370 Ecology (3)				
ABS 380 Restoration and Wildlife Plants (3)				
ABS 381 Natural Resources Policy (3)				
ABS 402 Vegetation and Wildlife Meas. (3)				
ABS 440 Ecological Restoration Techniques (3)				
ABS 441 Ecological Restoration Practicum (1)				
ABS 480 Ecosystem Mgt. & Planning L (3)				
ABS 482 Ecol. & Planning for Restoration (3)				
ABS 483 Restoration Planning Practicum (2)				
ABS 485 GIS in Natural Resources (3)				
ABS 490 Applied Biological Sci. Seminar (1)				
CHM 101 Introductory Chemistry SQ (4)				
CHM 231 Elem. Organic Chemistry SQ (3)				
Total: (42)				

Select 12 credit hours from the following list, or courses approved by advisor:

	<u>Hrs Cr</u>		<u>Trans</u> <u>from</u>	<u>Gr</u>
	<u>ASU</u>	<u>Tr</u>		
ABS 368 Plant Propagation (3)				
ABS 374 Intro. To Wildlife Management (3)				
ABS 376 Soil Ecology (3)				
ABS 425 Soil Classification & Mgt. (3)				
ABS 430 Watershed Mgt (3)				
ABS 433 Riparian and Wetland Ecology (3)				
ABS 434 Soil Ecology (3)				
ABS 475 Habitat Mgt for Small Wildlife (3)				
ABS 476 Big Game Habitat Management (3)				
ABS 481 Riparian & Wetland Restoration (3)				
ABS 486 Intro to Remote Sensing (4)				
Total: (12)				

Note: ABS 480, BIO 187, BIO 188, MAT 210, and ABS 350 must be used for both General Studies and concentration requirements to allow graduation within 120 hours.

TOTAL PROGRAM HOURS:

I. English				
II. General Studies				
III. ABS Core				
IV. Ecological Restoration Concentration				
Upper-Division Electives				
Total Program Hours				

Graduation Requirements (Regular Curriculum -120 hours)
Total upper-division hours _____ (minimum required -45)