

# Animal Biology & Biotechnology Option

# 4-Year Plan

## Year 1

Semester 1-Fall		Semester 2-Spring	
AGRI 103 Introduction to Agricultural and Natural Resource Systems	3 cr	ACE 2	3 cr
ASCI 100 Fundamentals of Animal Biology and Industry	4	ACE 1	3 cr
ACE 5, 7, or 8	3 cr	ACE 5, 7, or 8	3 cr
ASCI 95 Orientation Seminar	0 cr	LIFE 121 Fundamentals of Biology II	3 cr
LIFE 120L Fundamentals of Biology I laboratory	1 cr	LIFE 121L Fundamentals of Biology II Laboratory	1 cr
LIFE 120 Fundamentals of Biology I	3 cr	<b>TOTAL CREDITS</b>	<b>13</b>
<b>TOTAL CREDITS</b>	<b>14</b>		

## Year 2

Semester 3-Fall		Semester 4-Spring	
ASCI 210 Animal Products	3 cr	AGRO 315 Genetics	4 cr
CHEM 109 General Chemistry I	4 cr	CHEM 110 General Chemistry II	4 cr
ACE 5, 7, or 8	3 cr	AECN 141 or ECON 211 or ECON 212	3 cr
ASCI 340 Animal Physiological Systems	4 cr	ASCI 201	1 cr
<b>TOTAL CREDITS</b>	<b>14</b>	Free Elective	3 cr
		<b>TOTAL CREDITS</b>	<b>15</b>

## Year 3

Semester 5-Fall		Semester 6-Spring	
ASCI 341 Physiology and Management of Reproduction	4 cr	ASCI 320 Animal Nutrition and Feeding	3 cr
ASCI 330 Animal Breeding	4 cr	BIOS 312 Microbiology	3 cr
CHEM 251 Organic Chemistry I	3 cr	BIOS 314 Microbiology Laboratory	1 cr
CHEM 253 Organic Chemistry I Laboratory	1 cr	CHEM 252 Organic Chemistry II	3 cr
Experiential Learning	2 cr	Free Elective	3 cr
Communications Elective	3 cr	Experiential Learning	2 cr
<b>TOTAL CREDITS</b>	<b>17</b>	<b>TOTAL CREDITS</b>	<b>15</b>

## Year 4

Semester 7-Fall		Semester 8-Spring	
ASCI 486 Animal Biological Systems	3 cr	ASCI 491 Animal Science Seminar	1 cr
ASCI/BIOC/BIOS (400 level)	4 cr	ASCI/VBMS Elective (400 level)	8 cr
ASCI/VBMS Elective (400 level)	6 cr	PHYS 141 & 141L Elementary General Physics I	5 cr
Business Course	3 cr	Free Elective	2 cr
<b>TOTAL CREDITS</b>	<b>16</b>	<b>TOTAL CREDITS</b>	<b>16</b>