



Advising Worksheet for Animal Science

Core Requirements



Effective 2024-2025 Bulletin - 120 hrs

<u>College Integrative Course</u>	MET	HR	ACE
SCIL 101 Science and Decision-Making for a Complex World (B)		3	8
<u>Professional Development Requirements</u>	MET	HR	ACE
AGRI 042 CASNR Start Smart		0	
ASCI 101 Animal Science Orientation Seminar or PVET 101 Success in Vet Science (F)		1	
ASCI 201 Professional Development for Careers in Animal Science (S)		1	
ASCI 391 Networking w/Industry Professionals (B)		1	
Capstone Course/ACE 10: Select From: ASCI 450 Horse Mgmt (S), ASCI 455 Beef Cow/Calf Mgmt (S), ASCI 457 Beef Feedlot Mgmt (F), ASCI 458 Adv Companion Animal Mgmt (S)		3	10
<u>Core Disciplinary Requirements</u>	MET	HR	ACE
ASCI 100 Fund of Animal Biology w/lab (B)		4	
ASCI 210 Principles of Animal Products for Today's Society (OL/F and F2F/S)		2	
ASCI 220 Feeds and Feeding (F)		2	
ASCI 243 Animal Anatomy Lab (B)		1	
ASCI 270 Fundamentals of Animal Behavior and Welfare (S)		2	
PLAS 215 Genetics or BIOS 206 General Genetics (B)		4	4
ASCI 330 Animal Breeding (F)		4	
ASCI 341 Physiology and Mngt of Reproduction (F)		4	
<u>Natural Sciences</u>		4	
ASCI 120 Animal Biology (F), BIOS 101/101L General Biology (B), or LIFE 120/120L Fund of Biology I (B)		4	

<u>Mathematics and Statistics</u>	MET	HR	ACE	
MATH 102 Trigonometry (3 cr) or MATH 104 or MATH 106 & STAT 218 Introduction to Statistics (3 cr)		6	3	
<u>Communications</u>	MET	HR	ACE	
Select any CASNR approved ACE 1 course		3	1	
Select any CASNR approved ACE 2 course		3	2	
<u>Economics, Humanities & Social Sciences</u>	MET	HR	ACE	
Select 1 course form ACE 5 outcome (Humanities)		3	5	
Select 1 course from AECN 141, ECON 200, ECON 211 or ECON 212		3	6	
Select 1 course from ACE 7 outcome (Arts)		3	7	
Select 1 course from ACE 9 outcome (Global/Diversity)		3	9	
<u>Basic Animal Mgmt Requirements (Select 4 credits from 2 of 4 sepcies categories)</u>	MET	HR	ACE	
Livestock Species Mgmt (Beef & Dairy Cattle), 1 credit each - Spring only for all - 1x/wk for 5 weeks		4		
ASCI 250A Beef Cow/ Calf Mgmt, ASCI 250B Basic Beef Feedlot Mgmt, ASCI 250M Basic Dairy Mgmt				
Livestock Species Mgmt (Non-bovine), 1 credit each - Spring only for all - 1x/wk for 5 weeks				
ASCI 250K Basic Swine Mgmt, ASCI 250P Basic Poultry Mgmt, ASCI 250R Basic Small Rum. Mgmt				
Companion Animals, 1 credit each - Fall only for all - 3x/wk for 5 weeks				
ASCI 251A Basic CA Mgmt - Dogs, ASCI 251B Basic CA Mgmt - Cats, ASCI 251E Basic CA Mgmt - Small Mammals, ASCI 251J CA Mgmt - Non Domesticated				
Equine - Fall only for both				
ASCI 252A Intro to the Horse Industry (3 cr - full semester) or ASCI 252B (1 cr - 5 wks)				
Total ASCI Core Requirements			64-66	
Fulfill requirements for 1 of 4 options (back side)			54-56	
Total Credit Hours		120		

F=Fall Only F2F = in person
 S=Spring Only OL = online
 B=Both Fall & Spring

Food Animal Systems Option

Disciplinary Requirements	MET	HR
ASCI 200 Animal & Carcass Evaluation (F)		3
ASCI 210L Principles of Animal Products for Today's Society Lab (F2F/S)		1
ASCI 240 Basic Anatomy & Physiology of Domestic Animals (S) OR ASCI 340 Animal Physiological Systems (F)		3
ASCI 320 Animal Nutrition (S) or ASCI 321 Companion Animal Nutrition (S) - Select 1		3
Other Disciplinary & ASCI Management Courses (Select 2)		
Range Science: PLAS 153, 240, 245, 340, 440		5-6
Behavior/Welfare: ASCI 370		
Breeding/Genetics: ASCI 431, 432		
Reproduction: ASCI 441, 442		
Meat Science: ASCI 310, 411		
Advanced AECN, FINA, ECON @ 300 level or above		
Animal Health (choose 1)		
BIOS 111 or 312 or VBMS 303 (S) or 406		2-4
Natural Sciences		
CHEM 105A/L (F) or 109A/L (B)		4
CHEM 106A/L (S) or 110A/L (B)		4
Business Courses		
Select 3 courses from business course listing		9-10
Experiential Learning (4 hrs)		
Hands-on Skills Courses: ASCI 150, ASCI 456 (S) or any ASCI 197 skills course		1-2
Off-Campus Industry Exposure: Study abroad or Study tour, competitive teams or Internship, Extension, Research or Teaching experience		2-3
Core Requirements (front side)		
		64-66
Option Requirements (back side)		
		41-45
Free Electives		
		9-15
Total Credits Required to Graduate		
		120