



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

Companion Animal Science Option

<u>Disciplinary Requirements</u>	MET	HR
ASCI 240 Basic Anatomy & Physiology of Domestic Animals (S) or ASCI 340 Animal Physiological Systems (F)		3
ASCI 171 Human-Companion Animal Interactions (F)		2
ASCI 271 Companion Animal & Equine Behavior (S)		3
ASCI 321 Companion Animal Nutrition (S)		3
ASCI 458 (ACE 10 from core - front side)		3
<u>Other Companion Animal Disciplinary courses (select 3)</u>		
Behavior: ASCI 370, 445, BIOS 462, PSYC 461		6-10
Nutrition: ASCI 322, 421, 422		
Breeding & Genetics: ASCI 431, 432		
Reproduction: ASCI 342, 441, 442		
Phys & Health: ASCI 443, 444, BIOS 111, VBMS 303, 406		
Zoo & Exotics: NRES 125, 211, 220, 441		
Other Adv. Mgmt: ASCI 450, 452, 453, 454, 455, 457, 486		
<u>Natural Sciences</u>		8
CHEM 105A/L (S) or 109A/L (B)		4
CHEM 106A/L (S) or 110A/L (B)		4
<u>Business, Communication & Education Courses</u>		9
ALEC 136, 207, 260, 330 or NRES 322, 434 (select at least 1)		3-6
Select at least 1 business course from listing provided		3-6
<u>Experiential Learning</u>		4
Hands-on Skills Courses: ASCI 150 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
<u>Core Requirements (front side)</u>		64-66
<u>Option Requirements (back side)</u>		38-42
<u>Free Electives</u>		12-18
<u>Total Credits Required to Graduate</u>		120