

Navajo Technical University

Name: _____

ID#: _____

Bachelor of Science Degree – Animal Science (122 Credits)

Many career options are available with a degree in Animal Science. Through experiential learning, the Animal Science program will provide a high quality educational experience. For the most part, students will complete general education courses during their first two years at NTU to prepare for more specialized courses in their third and fourth years. Knowledge in these specialized subjects lays the framework for entry into a broad range of professions in Native American communities, as well as throughout the United States and also to pursue advanced professional degrees, such as a D.V.M. (Doctor of Veterinary Medicine), medical school, pharmacy school, physical therapy, dental school, etc.

A student needs to complete the core Animal Science and general education courses within the first two years of study with a grade point average of 2.00 or better before taking the upper level core courses (300 and 400-level courses). To complete the program, a credit load of 13-15 per semester along with summer sessions are mandatory.

Semester ONE		Credits	Prerequisites	Transfer/ Semester	Grade
ENGL 1110	Composition I	3	ENG 98 or satisfactory placement scores		
BIOL 2110C	Principles of Biology: Cellular & Molecular Biology	4			
MATH 1220	College Algebra	4	MATH 1215 or satisfactory placement of scores		
BCIS 1115	Introduction to Computers/ Elective	3			
Semester TWO					
ENGL 1120	Composition II	3	ENGL 1210 or 1110		
ASC 100	Introduction to Animal Science	3			
COMM 1130	Public Speaking	3	ENGL 1210 or 1110		
BIOL 2120C	Cellular & Molecular Biology	4			
Semester THREE					
ECON 1110	Survey Economics	3			
ASC 200	Animal Science Practicum with Lab	2	ASC 100		
ASC 210	Animal Science Career Development	1	ASC 100		
CHEM 1217C	Principles of Chemistry I	4	MATH 1220, CHEM 1120C		
BIOL 2310	Microbiology	4	BIOL 2110C or 2120		
Semester FOUR					
CHEM1225C	General Chemistry II for STEM Majors	4	CHEM 1217C		
ASC 220	Comparative Anatomy of Animals with Lab	3	ASC 100, BIOL 2110C, CHEM 1217C		
ASC 230	Comparative Physiology Domestic Animals with Lab	3	ASC 100, BIOL 2110C, CHEM 1217C Corequisite – ASC 220		
Humanities/ Social Science Course		3			
Semester FIVE					
BIOL 226	Principles of Genetics	4	BIOL 2110C or 2120		
PHYS 1230C	Algebra-Base Physics I	4			
ASC 320	Animal Nutrition and Metabolism	3	ASC 200, ASC 210, MATH 1220		
ASC 340	Animal Reproduction and Lactation	3	ASC 220, ASC 230		
Semester SIX					
Diné Studies Course		3			
ASC 330	Feeds and Feeding with Lab	3	ASC 220, ASC 230, ASC 320, MATH 1220		
Humanities/Social Science Course		3			
ASC 400	Sheep & Goat Production & Mgmt. with Lab	4	ASC 340, ASC 320, ASC 230, ASC 220. Corequisite – ASC 330		
Summer Semester					
ASC 420	Dairy Production and Management with Lab	4	ASC340, ASC 330, ASC 320, ASC 230, ASC 220		
ASC 440	Swine Production and Management	4	ASC 340, ASC 330, ASC 320, ASC 230, ASC 220		
Semester SEVEN					
ACG 210 or ACG 212	Introduction to Financial Principles of Management or Introduction to Finance	3			
BIOL 302	Cell Biology	4	BIOL 2110C or 2120C		
ASC 460	Beef Production and Management with Lab	4	ASC 340, ASC 330, ASC 320, ASC 230, ASC 220		
CHEM 2130C	Organic Chemistry I	4	CHEM 1225C		

Semester EIGHT			
MATH 1350	Introduction to Statistics	3	
BIOL 2130C	Introduction to Biochemistry	4	BIOL 302
ENV 365	Natural Resources Management with Lab	4	
ASC 480	Horse Production and Management with Lab	4	ASC 340, ASC 330, ASC 320, ASC 230, ASC 220
Summer Semester			
ASC 498	Internship in Animal Science	3	ASC 480, ASC 460, ASC 440, ASC 420, AASC 400
TOTAL CREDIT HOURS REQUIRED		122	

*** Please check course descriptions for the appropriate prerequisite course(s).*

	Signatures	Date
Student:		
Program Advisor:		
Academic Advisor:		
Registrar:		
Anticipated Graduation Date:		

UPDATE: 6/1/2020