

2011/2012 Animal Sciences – Industry Option

Food Safety Path

Pre-Major Courses

<u>Course Prefix</u>	<u>Course Title</u>	<u>Units</u>	<u>Semester</u>	<u>Prerequisites</u>
_____ AREC 315	Agribusiness Econ & Mgmt.	3	F	ECON 200 or ECON 201A
_____ PL S 312	Animal & Plant Genetics	3	S	CHEM 151
_____ MCB 184 or 181R/L	Introductory Biology	4	F / S	MATH 109C or 112 or math placement
_____	Statistics/Econometrics: Select one course: AREC 339, AREC 350, COMM 200, ISTA 116, MATH 263, PSYC 230 (most require math placement)			
_____	Communications: Select one course: A ED 301, AGTM 422, AN S396A & AN S496B (counts as 1 course), COMM 312, ENGL 307, ENGL 308, FSHD/FSHV 428			

Major Requirements

_____ AN S 102R	Intro. To Animal Science – Lecture	3	F	
_____ AN S 102L	Intro. To Animal Science – Lab	1	F	
_____ AN S 210	Intro Live Animal and Carcass Evaluation	3	S	AN S 102R/L
_____ AN S 215	Phys. of Domestic Animals	3	S	MCB 184 or 181R/L
_____ An S 334	Principles of Nutrition	3	F	CHEM 152
_____ An S 336A	Applied Animal Nutrition	3	S	AN S 334
_____ AN S 380	Food Safety	4	F / SS	
_____ AN S 395A	Prof Dev. in Animal Ag	1	S	
_____ AN S 420	Meat Animal Composition	3	S	AN S 102R/L, AN S 210
_____ AN S 446	Human Resource Management	3	S	Jr. or Sr. Standing
_____ AN S 447	Business law	3	F	
_____ ECOL 182R	Introductory Biology II	3	F / S	MATH 109C or 112 or math placement
_____ MIC 205A	General Microbiology	3	F / SS	MCB 184 or 181R & CHEM 151
_____ MIC 205L	Bio Microorganisms Lab	3	F / S	MIC 205A or concurrent enrollment
_____ SWES 200	Soils	3	F / S	CHEM 151
_____ SWES 425	Environmental Microbiology	3	F	MIC 205A
_____ VSC 420	Pathogenic Bacteriology	3	S	
_____ VSC 443	Research Animal methods	3	F	
_____	Select one course from:			
_____ V SC 403R	Biology of Animal Parasites	3	F	12 units of Biology
_____ V SC 405	Principles of Livestock Health Management	3	S	AN S 215
_____ V SC 406	Diseases of Companion Animals	3	S	MIC 205A, V SC 400A or AN S 215
_____ V SC 449	Diseases of Wildlife	3	F	
_____	Select 2 courses from:			
_____ V SC 400A	Animal Anatomy and Physiology	3	F	MCB 184 or 181R/L, ECOL 182, CHEM 241A
_____ V SC 400B	Animal Anatomy and Physiology	3	S	MCB 184 or 181R/L, ECOL 182, CHEM 241A
_____ V SC 438	Ecology of Infectious Disease	3	S	
_____ V SC 454	Host-Microbial Interactions	3	S	MIC 420 / consent
_____ V SC 456	Aquaculture	3	S	MCB 184 or 181R/L, ECOL 182, CHEM 152
_____ N SC 301	Nutrition and the Life Cycle	3	F / SS	
_____ SWES 418	Intro. to Human Health Risk Assessment	3	S	

THE UNIVERSITY OF ARIZONA[®]
Department of Animal Sciences
Bachelor of Science Degree Program
2011/2012

Student Name _____ **#** _____ **Date** _____

GENERAL EDUCATION REQUIREMENTS

1. Foundations – all transfer courses to satisfy foundation requirements must be approved by the respective departments

- _____ ENGL 101 – First Year Composition
- _____ ENGL 102 – First Year Composition
- _____ Mid-Career Writing Assessment: B or better in ENGL 102 or completion of ENGL 307
- _____ MATH 109C / MATH 112 – College Algebra
- _____ Second semester foreign language proficiency or completion of a second semester of a foreign language course

2. Tier 1

Traditions and Cultures – complete 2 courses from the following. Many departments offer these courses, so the prefix may be different for example NES 160A, HIST 160A, etc. They **key** is the number and letter. An additional number after the letter further identifies the course within the offering department for example NES 160A1 and NES 160A2. You may **not** complete 2 sections with the same number and ending letter to satisfy degree requirements.

- _____ 160A (TRAD 101) – Non-Western Cultures and Civilizations
- _____ 160B (TRAD 102) – Western Cultures and Civilizations: Classical to Renaissance
- _____ 160C (TRAD 103) – Western Cultures and Civilizations: Renaissance to Present
- _____ 160D (TRAD 104) – Topics in Culture and Civilization

Individuals and Societies – complete 2 courses from the following. Many departments offer these courses, so the prefix may be different for example NES 160A, HIST 160A, etc. They **key** is the number and letter. An additional number after the letter further identifies the course within the offering department for example NES 160A1 and NES 160A2. You may **not** complete 2 sections with the same number and ending letter to satisfy degree requirements.

- _____ 150A (INDV 101) – Mind, Self and Language
- _____ 150B (INDV 102) – Social Interactions and Relationships
- _____ 150C (INDV 102) – Societal and Institutional Relationships

Natural Sciences – This requirement must be satisfied with the following Chemistry courses

- _____ CHEM 151 General Chemistry – 4 units (Pre-requirement: completion of MATH 109C or 112 or math placement)
- _____ CHEM 152 General Chemistry – 4 units (Pre-requirement: CHEM 151)

3. Tier 2

- _____ Arts 3 units (see university course list)
- _____ Humanities 1 course (see university course list)
- _____ ECON 200 or 201A (Individuals and Societies)
- _____ Natural Science (This requirement will be satisfied by completion of departmental requirements)

4. Diversity

- _____ Non-Western Cultures, Race, Gender, Class or Ethnicity course
- All 160A courses satisfy this requirement as do various other Tier One and Tier Two courses.

UNDERGRADUATE DEGREE PROGRAM REQUIREMENTS

_____ You must complete 120 credit hours, of which at least 42 must be upper-division. Hours remaining after satisfying all required coursework may be completed through elective course credits.

_____ You must request and submit a completed Application for Degree Certification (“degree check”) after enrolling for your last semester of coursework.