

# THE UNIVERSITY OF ARIZONA®

Department of Animal Sciences – Industry Option

Bachelor of Science Curriculum

2006-2007

Student Name \_\_\_\_\_ Student ID \_\_\_\_\_

## General Education (31-39 units)

ENGL 101 or 103H or 107H 3  
ENGL 102 or 104H or 108H 3

Language (0-8) Students must meet language proficiency requirements upon admission or will be required to complete up to 8 additional units of a second language.

MATH 110 Collegiate Algebra 4

## Tier I Courses (12 units)

Traditions and Cultures – complete 2 courses from the following

TRAD 101\* 3  
TRAD 102 3  
TRAD 103 3  
TRAD 104 3

*(You may not complete 2 sections from the same course number to complete the requirements)*

Individuals and Societies – complete 2 courses from the following

INDV 101 3  
INDV 102 3  
INDV 103 3

*(You may not complete 2 sections from the same course number to complete the requirements)*

Natural Sciences - Satisfied by course work for the major

## Tier II Courses (9 units)

Arts – (See university course list) 3  
Humanities (See university course list) 3  
INDV – Econ 200 or 201A 3

*\*Note: One course in the General Education Core must focus on non-western cultures or on race, gender, class or ethnicity. All TRAD 101 courses will meet this requirement.*

## Pre-Major Requirements (36 units)

### Communications (6 units\*)

*(\*Choose two courses)*

A ED 301 Youth Leadership Dev (F) 3  
A ED 422 Comm.Knowledge in Ag (F) 3  
COMM312Appl Organizational Comm. 3  
ENGL 307Business Writing 3  
ENGL 308Technical Writing 3

### Science Courses (30 units)

ABE 120 Computer Applications 3  
AGTM 213 Ag and Food Marketing 3  
AREC 315 Agribusiness Econ & Mgmt 3  
AN S 312 Animal & Plant Genetics(F) 3  
CHEM 103A Fund of Chemistry 3  
CHEM 103B Fund of Chemistry 3  
CHEM 104A Chemistry Lab 1  
CHEM 104B Chemistry Lab 1  
ECON 200 or 201A Principles of Econ \*  
*(\*Tier II Individuals, Societies and Institutions)*  
MATH 160 Intro: Stats and Biostats 3  
MCB 181RIntroductory Biology I 3  
MCB 181LIntroductory Biology Lab 1  
V SC 403R Biology Animal Parasites **OR**  
V SC 405Diseases of Livestock (F) 3

## Major Requirements (38 units)

### Animal Science Courses\*

AN S 102 Animal Industry (F) 3  
AN S 215Phys of Domestic Animals(S) 3  
AN S 315R Physiology of Reproduction 3  
AN S 320Food Safety (F) 3  
An S 334 Principles of Nutrition (F) 3  
An S 336 Applied Animal Nutrition (S) 4  
AN S 420Meat Animal Composition (S) 3  
AN S 395A Prof Dev in Animal Ag (S) 1  
AN S 498A Capstone (S) 1

Animal Science Electives  
(14 units, must be upper-division)

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\*or complete Dairy Emphasis

## Business & Range Option\* (15 units)

### Choose 3 Business courses from

ACCT200Intro to Financial Acct 3  
ACCT 210Intro to Managerial Acct 3  
ACCT 420Prin of Profit Plan & Control 3  
AN S 340Marketing & Media Relations 3  
AN S 342Org & Admin of Racing Dept 3  
AN S 345 Racing Laws and Enforce 3  
AN S 433 An Racing Laws& Enforce 3  
AN S 441 Race Track Org,Struct Mgmt 3  
AN S 446Human Resource Mgmt 3  
AN S 447Legal Environ of Business 3  
AREC 217Res and Environ Econ 3  
AREC 242World Food Economy 3  
AREC 339Econ Stats 3  
AREC 350 Econ Ethics & EnvironMgmt 3  
AREC 375 Econ of Land and Water 3  
AREC 464Econ of Policy Analysis 3  
B AD 301Global and Fin Econ 3  
B AD 302Human Side of Organ 3  
B AD 303Appl of Marketing Concepts 3  
ECON 201B Princ of Econ 3  
ECON 300Micro Econ Analysis 3  
ECON 330Macro Econ Institutions 3  
RCSC 451Market Strategy 3  
RCSC 452Business Policy 3

### Choose 2 plant/range courses from

PLS 306 Crop Science & Production 3  
PLS 330 Prop I:Sexual and Asexual 3  
PLS 339 Nursery Systems Mgmt 3  
PLS 354 Landscape Horticulture 3  
RNR 202 Native Plant Taxonomy 3  
RNR 316 Natural Resources – Ecology 3  
RAM 382 Rangeland Plant Comm 3  
RAM 436 Grazing Ecology & Mgmt 3  
RAM 446 Rangeland & Forest Veg 3  
RAM 456 Rangeland Invent. & Monitor 2  
RAM 487 Rangeland Mgmt Plan 3

\*Or complete minor in consultation with advisor

A minimum of 120 units of credit are required for this degree  
A minimum of 42 units of upper division credit (300 & 400 level) are required

Please see other side for Dairy Emphasis

**THE UNIVERSITY OF ARIZONA**<sup>®</sup>  
Department of Animal Sciences – Industry Option – Dairy Emphasis

**Dairy Emphasis Curriculum (38 Units)**

AN S 102 Animal Industry (F)	3
AN S 215 Phys of Dom Animals (S)	3
AN S 220 Dairy Physiology (S)	2
An S 315R Physiology of Reproduction (F)	3
<i>An S 317 Dairy Cattle Breeding TBD</i>	<i>3</i>
AN S 320 Food Safety (F)	3
An S 334 Principles of Nutrition (F)	3
An S 336 Applied Animal Nutrition (S)	4
An S 420 Meat Animal Composition (S)	3
An S 395A Prof Dev in Animal Ag (S)	1
An S 460 Physiology of Lactation (S)	3
An S 472 Adv Dairy Herd Management (F)	3
An S 498A Current Issues in Livestock (S)	1