As an animal sciences major you are required to develop an acceptable Plan
of Study during your sophomore year for your junior and senior years. The
plan must be signed by your advisor and returned to the Office of the
Associate Dean for Academic Programs. If you are an upper division
transfer student (from another university or from another UK college or
department) then you will submit your plan during the first semester you are
enrolled in the program. Consult your academic advisor in developing your
Plan of Study.

Each student must complete the following:

College Required Hours
GEN 100 Issues in Agriculture ...................................................... 3

Subtotal: College Required Hours .................................................. 3

University Studies Requirements

See “University Studies Program” on pages 75-79 of the 2006-2007
UK Bulletin for the complete University Studies requirements.

The courses listed below are (a) recommended by the college, or (b)
required courses that also fulfill University Studies areas. Students should
work closely with their advisor to complete the University Studies Program
requirements.

Courses marked with an asterisk (*) may also be used to satisfy University
Studies requirements.

Math
MA 109 College Algebra .............................................................. 3

Inference-Logic
MA 123 Elementary Calculus and Its Applications ......................... 3

or
MA 113 Calculus I ................................................................. 4

Natural Sciences
CHE 105 General College Chemistry I ........................................... 3
CHE 107 General College Chemistry II ......................................... 3

USP Electives
BIO 150 Principles of Biology I ..................................................... 3
BIO 152 Principles of Biology II .................................................... 3

Premajor Requirements

*MA 109 College Algebra and
*MA 123 Elementary Calculus and Its Applications ....................... 6

or
*MA 113 Calculus I ................................................................. 4

*BIO 150 Principles of Biology I .................................................... 3
*BIO 152 Principles of Biology II .................................................. 3
*CHE 105 General College Chemistry I ........................................ 3
*CHE 107 General College Chemistry II ...................................... 3
*CHE 115 General Chemistry Laboratory ..................................... 3
ENG 203 Business Writing ......................................................... 3

Subtotal: Premajor Hours .......................................................... 22-24

Major Requirements

ASC 101 Domestic Animal Biology .............................................. 3
ASC 102 Applications of Animal Science .................................... 3
ASC 205 Livestock, People and Their Interactions ....................... 1
ASC 325 Animal Physiology ...................................................... 3
ASC 362 Animal Genetics ........................................................ 4
ASC 364 Reproductive Physiology of Farm Animals ..................... 4
ASC 378 Animal Nutrition and Feeding ....................................... 4
ASC 470 Capstone for Animal Agriculture ................................. 3
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plus at least three of the following courses:
ASC 340 Poultry Production ......................................................... 2
ASC 404G Sheep Science .............................................................. 4
ASC 406 Beef Cattle Science ......................................................... 4
ASC 408G Swine Production ......................................................... 2
ASC 410G Equine Science ............................................................ 3
ASC 420G Dairy Cattle Science .................................................... 3
Subtotal: Major Hours ............................................................... 32-36

In addition to the Major Requirements, students choose one of three options:

Option A: Animal Industry
Students fulfilling the Major Requirements are eligible for the Animal Industry Option by taking certain required Specialty Support Courses (see below). In addition, students with more specific interests may, but are not required to, choose from three specializations available within this Option.

No Specialization
(required Specialty Support only; see below) .................................... 0

Livestock Specialization
ASC 300 Meat Science ............................................................... 4
and at least two from:
ASC 340 Poultry Production ......................................................... 2
ASC 404G Sheep Science .............................................................. 4
ASC 406 Beef Cattle Science ......................................................... 4
ASC 408G Swine Production ......................................................... 2

Equine Specialization
ASC 310 Equine Anatomy and Conformation ................................ 2
ASC 320 Equine Management ....................................................... 3
ASC 410G Equine Science ............................................................ 3

Dairy Specialization
ASC 420G Dairy Cattle Science .................................................... 3
ASC 564 Milk Secretion ............................................................... 3
Subtotal: Option A Hours ............................................................. 0-12

Option B: Food Industry
Students fulfilling the Major Requirements are eligible for the Food Industry Option by taking certain required Specialty Support Courses (see below) and:

ASC 300 Meat Science ............................................................... 4
Subtotal: Option B Hours ............................................................. 4

Option C: Pre-Professional
Students fulfilling the Major Requirements are eligible for the Pre-Professional Option by taking certain Specialty Support Courses (see below). Students must consult the pre-professional advisor or graduate school advisor of the university to which they intend on applying for additional or specific requirements.

Specialty Support

Animal Industry Option
CHE 230 Organic Chemistry I
or
CHE 236 Survey of Organic Chemistry ........................................... 3
Depending on the student’s area of interest and subject to the advisor’s approval, additional courses at the 200-level or above may be selected from biochemistry, biology, chemistry, physics, statistics, or any agricultural related area other than Animal Sciences ........................................ 18

Food Industry Option
CHE 230 Organic Chemistry I
or
CHE 236 Survey of Organic Chemistry ........................................... 3
FSC 107 Introduction to Food Science ............................................. 3
FSC 304 Animal Derived Foods ..................................................... 5
Depending on the student’s area of interest and subject to the advisor’s approval, additional courses at the 200-level or above may be selected from biochemistry, biology, chemistry, physics, statistics, or any agricultural related area other than Animal Sciences ........................................ 18

Pre-Professional Option*
ABT/ENT 360 Genetics
or
BIO 304 Principles of Genetics .................................................... 3-4
CHE 230/231 Organic Chemistry and Laboratory I ......................... 5
CHE 232/233 Organic Chemistry and Laboratory II ......................... 5
PHY 211 General Physics ............................................................ 5
PHY 213 General Physics ............................................................ 5
*Students must consult the pre-professional advisor or graduate school advisor of the university to which they intend on applying for additional or specific requirements.

Subtotal: Specialty Support .................................................... 21-24

Electives
Electives should be selected to complete the 128 hours required for graduation.

Subtotal: Electives ................................................................. minimum of 21

TOTAL HOURS: .................................................................... 128