

In Effect Fall 2010  
 Animal Sciences  
 Equine Science Option (ANEQ)

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Freshman Year

Fall	Spring	Summer
<b>ANSC 1100- Orientation to ANSC</b>	<b>1 ANSC 1000 Introductory ANSC</b>	<b>4</b>
BIOL 1020 Princ. Of Biology	4 BIOL 1030 Organismal Biology	4
BIOL 1021 Princ. Of Biology Lab	0 BIOL 1031 Organismal Biology Lab	0
<b>CHEM 1030 Fund. Of Chem I</b>	<b>3 CHEM 1040 Fund. Of Chem. II</b>	<b>3</b>
<b>CHEM 1031 Fund. Of Chem. I Lab</b>	<b>1 CHEM 1041 Fund. Of Chem. II Lab</b>	<b>1</b>
ENGL 1100 English Composition I	3 ENGL 1120 English Composition II	3
MATH 1130 Pre-Cal with Trig	3	
	15	15

Sophomore Year

Fall	Spring	Summer
BIOL 2500 Human Anat. & Phys. I	4 BIOL 2510 Human Anat. & Phys. II	4
ENGL Core Literature	3 CHEM 2030** Survey of Org. Chem	3
STAT 2510 Statistics for Biol. Sci	3 ECON 2020 Princ. Microeconomics	3
Core HIST I	3 ENGL Core Literature	3
Directed Elective*	3 Core HIST II	3
	16	16

Junior Year

Fall	Spring	Summer
<b>ANSC 3600 Reproductive Phys.</b>	<b>4 ANSC 3400 Animal Nutrition</b>	<b>4</b>
<b>BCHE 3200 Prin. Biochemistry</b>	<b>3 ANSC 3500 Animal Breeding</b>	<b>3</b>
BIOL 3000 Genetics	4 <b>ANSC 3800 Careers in Animal Ag</b>	<b>1</b>
PHYS 1000** Found of Physics	4 Core PHIL (Suggest PHIL-1030)	3
PHYS 1001** Found of Physics Lab	0 Core Social Science Group 1	3
	15	14

Senior Year

Fall	Spring	Summer
BIOL 3200 Gen. Microbiology	4 AGRN 4010 Forage Prod & Utiliz.	3
COMM 1000 Public Speaking	<b>3 ANSC 4050 Horse Production</b>	4
Core Fine Art	3 Directed Electives*	4
Directed Elective*	2 Free Electives	3
Free Electives	3 UNIV 4@@@ Graduation (last term)	0
	15	14

Total Hours Required: 120

**\*Directed Electives (choose 9 hours):**

- ANSC 2050 Intro. Horse Mgt & Trng (3)
- ANSC 2650 Equine Biom. & Shoeing (2)
- ANSC 3150 Equine Marketing (2)
- ANSC 3350 Equine Coaching (2)
- ANSC 3650 Phys. Equine Athlete (2)
- ANSC 4450 Equine Nutrition (2)
- ANSC 4650 Equine Repro. Tech. (2)

**\*\*Applying to Vet School at Auburn:**

Equine Science students wishing to apply to Vet School at Auburn should take the CHEM 2070/2080 sequence with labs and the PHYS 1500/1510 sequence with labs instead of these survey/foundation courses in order to meet the requirements to apply. The additional credit hours will count as free electives toward the Equine Science degree. See your advisor for suggestions on additional science electives for Vet School.

In Effect Fall 2010  
 Animal Sciences  
 Muscle Foods Option (ANMF)

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Freshman Year

Fall	Spring	Summer
<b>ANSC 1100- Orientation to ANSC</b>	<b>1 ANSC 1000 Introductory ANSC</b>	<b>4</b>
BIOL 1020 Princ. Of Biology	4 BIOL 1030 Organismal Biology	4
BIOL 1021 Princ. Of Biology Lab	0 BIOL 1031 Organismal Biology Lab	0
<b>CHEM 1030 Fund. Of Chem I</b>	<b>3 CHEM 1040 Fund. Of Chem. II</b>	<b>3</b>
<b>CHEM 1031 Fund. Of Chem. I Lab</b>	<b>1 CHEM 1041 Fund. Of Chem. II Lab</b>	<b>1</b>
ENGL 1100 English Composition I	3 ENGL 1120 English Composition II	3
MATH 1130 Pre-Cal with Trig	3	
	15	15

Sophomore Year

Fall	Spring	Summer
BIOL 2500 Human Anat. & Phys. I	4 BIOL 2510 Human Anat. & Phys. II	4
ECON 2020 Princ. Microeconomics	3 CHEM 2030 Survey of Org. Chem	3
ENGL Core Literature	3 ENGL Core Literature	3
Core HIST I	3 STAT 2510 Statistics for Biol. Sci.	3
Core Social Science Group I	3 Core HIST II	3
	16	16

Junior Year

Fall	Spring	Summer
<b>BCHE 3200 Prin. Biochemistry</b>	<b>3 ANSC-3610 Growth &amp; Devel.</b>	<b>4</b>
BIOL 3000 Genetics	4 <b>ANSC 3700 Muscle Foods</b>	<b>4</b>
Core Fine Art	3 <b>ANSC 3800 Careers in Animal Sci</b>	<b>1</b>
Core PHIL (Suggest PHIL-1030)	3 <b>ANSC Core I*</b>	<b>3-4</b>
COMM 1000 Public Speaking	3 Muscle Foods Support Course**	3-4
	16	15-17

Senior Year

Fall	Spring	Summer
<b>ANSC 4700 Meat Processing</b>	<b>4 ANSC Core II*</b>	<b>4</b>
<b>BIOL 3200 Gen. Microbiology</b>	4 Free Electives	9-11
Muscle Foods Support Course**	4 UNIV 4@@@ Graduation (last term)	0
	12	13-15

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**Bolded** courses constitute the ANMF major (36-37 hrs; 2.0 GPA required in these courses).

**Animal Science Core and Muscle Foods Support Courses:**

Animal Science Core\* (choose any 2):

- ANSC 3400 Animal Nutrition (4)
- ANSC 3500 Animal Breeding (3)
- ANSC 3600 Reproductive Phys (4)

Muscle Foods Support Courses \*\* (choose 8 hours from the two columns below):

- |                                    |                                  |
|------------------------------------|----------------------------------|
| AGEC 4000 Princ Agribus. Mgt (3)   | NUFS 4410 Exp. Food Science (3)  |
| ANSC 5730 Sensory Evaluation (3)   | NUFS 5430 Food Chemistry (4)     |
| BIOL 5660 Food Microbiology (5)    | NUFS 5770 Food Plant Sanit (4)   |
| BSEN 5550 Prin. Food Engineer. (4) | POUL 4410 Poultry Processing (3) |
| NUFS 4400 Food Processing (4)      | POUL 4160 Prin. Food Safety (3)  |

In Effect Fall 2010  
 Animal Sciences  
 Production/Management Option (ANPM)

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Freshman Year

Fall	Spring	Summer
<b>ANSC 1100 Orientation to ANSC</b>	<b>1 ANSC 1000 Introductory ANSC</b>	<b>4</b>
BIOL 1020 Princ. Of Biology	4 BIOL 1030 Organismal Biology	4
BIOL 1021 Princ. Of Biology Lab	0 BIOL 1031 Organismal Biology Lab	0
<b>CHEM 1030 Fund Of Chem I</b>	<b>3 CHEM 1040 Fund Of Chem. II</b>	<b>3</b>
<b>CHEM 1031 Fund Of Chem I Lab</b>	<b>1 CHEM 1041 Fund Of Chem II Lab</b>	<b>1</b>
ENGL 1100 English Composition I	3 ENGL 1120 English Composition II	3
MATH 1130 Pre-Cal with Trig	3	
	15	15

Sophomore Year

Fall	Spring	Summer
BIOL 2500 Human Anat & Phys. I	4 BIOL 2510 Human Anat. & Phys. II	4
ECON 2020 Prin. Microeconomics	3 CHEM 2030 Survey Organic Chem	3
ENGL Core Literature	3 ENGL Core Literature	3
Core HIST I	3 STAT 2510 Statistics for Biol. Sci.	3
Core Social Science Group I	3 Core HIST II	3
	16	16

Junior Year

Fall	Spring	Summer
<b>ANSC 3600 Reproductive Phys</b>	<b>4 AGECE 4000 Prin. Agribusiness Mgt</b>	<b>3</b>
<b>BCHE 3200 Prin. Biochemistry</b>	<b>3 ANSC 3400 Animal Nutrition</b>	<b>4</b>
BIOL 3000 Genetics	4 <b>ANSC 3500 Animal Breeding</b>	<b>3</b>
Core PHIL (Suggest PHIL-1030)	3 <b>ANSC 3800 Careers in Animal Sci.</b>	<b>1</b>
	<b>BIOL 3200 General Microbiology</b>	<b>4</b>
	14	15

Senior Year

Fall	Spring	Summer
<b>Directed Elective I</b>	<b>4 Directed Elective II</b>	2-4
COMM 1000 Public Speaking	3 Free Electives	10-12
Core Fine Art	<b>3 UNIV 4@@@0 Graduation (last term)</b>	0
Free Electives	5	
	15	14

Total Hours Required: 120

**Bolded** courses constitute the ANMF major (36 hrs; 2.0 GPA required in these courses).

**Courses for Directed Electives:**

Directed Elective I (choose 1):

- ANSC 3700 Muscle Foods (4)
- ANSC 4000 Modern Livestock Sys (4)
- ANSC 4050 Horse Production (4)
- ANSC 5010 Beef Production (4)

Directed Elective II (choose 1 from either of the two columns below):

- Business Related Courses
- ACCT 2910 Fund. Account. (3)
- AGRI 3800 Ag. Leadership Dev (2)
- COMP 1000 Pers. Computer Ap (2)
- ECON 3020 Intermed. Micro (3)
- MKTG 3310 Princ. Marketing (3)

Production Related Courses

- AGRN 1000 Basic Crop Sci (4)
- AGRN 2040 Basic Soil Sci (4)
- AGRN 4010 Forage Prod (3)
- ANSC 3610 Animal Growth (4)
- ANSC 4700 Meat Processing (4)
- BSEN 3500 Nat Res Sys (3)
- ENTM 2040 Insects (3)
- NUFS 2000 Nutrition and Health (3)
- POUL 1000 Intro. Poultry Science (3)
- Second Career Track I course (4)

In effect Fall 2010  
 Animal Sciences  
 Pre-Veterinary Medicine Option (ANPV)

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Freshman Year

Fall	Spring	Summer
<b>ANSC 1100- Orientation to ANSC</b>	<b>1 ANSC 1000 Introductory ANSC</b>	<b>4</b>
BIOL 1020 Princ. Of Biology	4 BIOL 1030 Organismal Biology	4
BIOL 1021 Princ. Of Biology Lab	0 BIOL 1031 Organismal Biology Lab	0
<b>CHEM 1030 Fund. Of Chem I</b>	<b>3 CHEM 1040 Fund. Of Chem. II</b>	<b>3</b>
<b>CHEM 1031 Fund. Of Chem. I Lab</b>	<b>1 CHEM 1041 Fund. Of Chem. II Lab</b>	<b>1</b>
ENGL 1100 English Composition I	3 ENGL 1120 English Composition II	3
MATH 1130 Pre-Cal with Trig	3	
	15	15

Sophomore Year

Fall	Spring	Summer
BIOL 2500 Human Anat. & Phys. I	4 BIOL 2510 Human Anat. & Phys. II	4
CHEM 2070 Organic Chemistry I	3 CHEM 2080 Organic Chemistry II	3
CHEM 2071 Organic Chem. I Lab	1 CHEM 2081 Organic Chem. II Lab	1
ENGL Core Literature	3 ENGL Core Literature	3
Core HIST I	3 Core FINE ART	3
Social Sciences Group I	3 Core HIST II	3
	17	17

Junior Year

Fall	Spring	Summer
<b>ANSC 3600 Reproductive Phys.</b>	<b>4 ANSC 3400 Animal Nutrition</b>	<b>4</b>
<b>BCHE 3200 Prin. Biochemistry</b>	<b>3 ANSC 3500 Animal Breeding</b>	<b>3</b>
PHYS 1500 General Physics I	<b>3 ANSC 3800 Careers in Animal Ag</b>	<b>1</b>
PHYS 1501 General Physics I Lab	1 ECON 2020 Princ. Microeconomics	3
STAT 2510 Statistics for Biol. Sci.	3 PHYS 1510 General Physics II	3
Core PHIL (Suggest PHIL-1030)	3 PHYS 1511 General Physics II Lab	1
	17	15

Senior Year

Fall	Spring	Summer
BIOL 3000 Genetics	4 Directed Elective II	3-4
<b>BIOL 3200 Gen. Microbiology</b>	4 Free Electives	5-6
<b>Directed Elective I</b>	4 COMM 1000 Public Speaking	3
	UNIV 4@@@ Graduation (last term)	0
	12	11-13

Total Hours Required: 120

**Bolded** courses constitute the ANPV major (36 hrs; 2.0 GPA required in these courses)

**Courses for Directed Electives:**

Directed Elective I (choose any one):

- ANSC 3700 Muscle Foods (4)
- ANSC 4000 Modern Livestock Sys (4)
- ANSC 4050 Horse Production (4)
- ANSC 5010 Beef Production (4)

Directed Elective II (choose any one):

- ANSC 3610 Animal Growth & Devel. (4)
- BIOL 3010 Comparative Anatomy (4)
- BIOL 4000 Histology (4)
- BIOL 4100 Cell Biology (3; lab not req.)
- BIOL 5110 Parasitology (4)
- BIOL 5220 Intro. Molecular Genetics (3)
- BIOL 5500 Immunology (3; lab not req.)