

AVS Animal Agribusiness Concentration 2013-2014

Freshman			
Fall		Spring	
AVS 1000 Orientation to AVS	1	BIOL 1040 General Biology II <i>and</i>	3
AVS 1500 Introduction to Animal Science	3	BIOL 1060 General Biology Lab II <i>or</i>	1
AVS 1510 Intro to Animal Science Lab	1	BIOL 1110 Principles of Biology II I	5
BIOL 1030 General Biology I <i>and</i>	3	CH 1020 General Chemistry	4
BIOL 1050 General Biology Lab I <i>or</i>	1	ENGL 1030 Accelerated Composition	3
BIOL 1100 Principles of Biology I	5	MTHS 1010 Essen. Math. Informed Soc. <i>or</i>	3
CH 1010 General Chemistry	4	MTHS 1020 Intro. To Math. Analysis <i>or</i>	3
Arts and Humanities (Non-Lit.) Requirement ¹	3	MTHS 1060 Calculus of One Variable	4
		AVS Techniques Requirement ²	2
TOTAL	16-17	TOTAL	16-18

Sophomore			
Fall		Spring	
ACCT 2010 Financial Accounting Concepts	3	ECON 2110 Principles of Microeconomics	3
EXST 3010 Introductory Statistics	3	FIN 3060 Corporation Finance	3
MGT 2010 Principles of Management	3	Arts and Humanities (Literature) requirement ¹	3
AVS Techniques Requirement ²	3	AVS Evaluation Requirement ³	2
Elective	3	AVS Techniques Requirement ²	2
		Social Science Requirement ¹	3
TOTAL	14	TOTAL	16

Junior			
Fall		Spring	
AVS 3010 Anat. and Phys. of Domestic Animals	4	AVS 3750 Applied Animal Nutrition	3
AVS 3700 Principles of Animal Nutrition	3	AVS 4130 Animal Products	3
AVS 4700 Animal Genetics	3	AVS 4530 Animal Reproduction	3
ECON 2120 Principles of Macroeconomics	3	LAW 3220 Legal Environment of Business	3
CSEN 4230 Field Crops - Forages	3	Elective	3
TOTAL	16	TOTAL	15

Senior			
Fall		Spring	
AVS 3100 Animal Health	3	AVS 4060 Seminars and Related Topics	2
AVS 4150 Cont. Issues in Animal Science	3	AVS 4100 Domestic Animal Behavior	3
MKT 3010 Principles of Marketing	3	AVS 4170 Animal Agribusiness Development	2
AVS Experience-Based Activity ⁴	2	Production Class ⁵	4
AVS Techniques Requirement ²	2	Experience Based Activity ⁴	3
AVS 4000 Animal and Vet Sci Prof. Develop.	1	Elective	2
TOTAL	14	TOTAL	16

TOTAL 123-126

Animal Agribusiness	Hours
Techniques (4)	8
Evaluation	2
Experience Based Activity	5
Elective	8

AVS Animal Agribusiness Concentration

¹See General Education Requirements. Cannot be ECON or APEC. Three of these credits must satisfy the Cross-Cultural Awareness requirement.

²Select from:

- AVS 2000 Beef Cattle Techniques
- AVS 2010 Poultry Techniques
- AVS 2030 Dairy Techniques
- AVS 2050 Horsemanship Techniques
- AVS 2040 Equine Techniques
- AVS 2060 Swine Techniques
- AVS 2090 Livestock Exhibition Techniques
- AVS 2110 Meat Processing Techniques
- AVS 3020 Livestock Selection and Evaluation
- AVS 3090 Principles of Equine Evaluation
- AVS 3110 Dairy Cattle Selection
- AVS 3230 Poultry and Poultry Products Evaluation
- AVS 4050 Advanced Selection and Evaluation
- AVS 4550 Animal Reproductive Management

³Select from:

- AVS 3020 Livestock Selection and Evaluation,
- AVS 3090 Principles of Equine Evaluation,
- AVS 3110 Dairy Cattle Selection, or
- AVS 3230 Poultry and Poultry Products Evaluation

⁴Select from:

- AVS 3600 Internship
- AVS 3900 Practicum
- AVS 4410 Teaching Experience
- AVS 4420 Extension Experience
- AVS 4430 International Experience
- AVS 4440 Animal Agribusiness Travel Experience
- AVS 4910 Undergraduate Research Experience

⁵Select from:

- AVS 4500 Sustainable Production Systems
- AVS 4010 Beef Production
- AVS 4120 Advanced Horse Management

AVS Equine Business Concentration 2013-2014

Freshman			
Fall		Spring	
AVS 1000 Orientation to AVS	1	BIOL 1040 General Biology II <i>and</i>	3
AVS 1500 Introduction to Animal Science	3	BIOL 1060 General Biology Lab II <i>or</i>	1
AVS 1510 Intro to Animal Science Lab	1	BIOL 1110 Principles of Biology II I	5
BIOL 1030 General Biology I <i>and</i>	3	CH 1020 General Chemistry	4
BIOL 1050 General Biology Lab I <i>or</i>	1	ENGL 1030 Accelerated Composition	3
BIOL 1100 Principles of Biology I	5	MTHS 1010 Essen. Math. Informed Soc. <i>or</i>	3
CH 1010 General Chemistry	4	MTHS 1020 Intro. To Math. Analysis <i>or</i>	3
Arts and Humanities (Non-Lit.) Requirement ¹	3	MTHS 1060 Calculus of One Variable	4
		AVS Techniques Requirement ²	2
TOTAL	16-17	TOTAL	16-18

Sophomore			
Fall		Spring	
ACCT 2010 Financial Accounting Concepts	3	AVS 3090 Principles of Equine Evaluation	2
AVS 2040 Horse Care Techniques	2	ECON 2110 Principles of Microeconomics	3
Elective	3	FIN 3060 Corporation Finance	3
EXST 3010 Introductory Statistics	3	Arts and Humanities (Literature) requirement ¹	3
MGT 2010 Principles of Management	3	AVS Techniques Requirement ²	2
		Social Science Requirement ¹	3
TOTAL	14	TOTAL	16

Junior			
Fall		Spring	
AVS 3010 Anat. and Phys. of Domestic Anim.	4	AVS 3750 Applied Animal Nutrition	3
AVS 3700 Principles of Animal Nutrition	3	AVS 4530 Animal Reproduction	3
AVS 4700 Animal Genetics	3	LAW 3220 Legal Environment of Business	3
ECON 2120 Principles of Macroeconomics	3	MKT 3010 Principles of Marketing	3
CSEN 4230 Field Crops - Forages	3	AVS Techniques Requirement ²	2
TOTAL	16	TOTAL	14

Senior			
Fall		Spring	
AVS 3100 Animal Health	3	AVS 4100 Domestic Animal Behavior	3
AVS 4060 Seminars and Related Topics	2	AVS 4120 Advanced Equine Management	4
AVS 4150 Cont. Issues in Animal Science	3	AVS 4170 Animal Agribusiness Development	2
AVS 4160 Equine Exercise Physiology	4	Elective	5
AVS Experience-Based Activity ³	2		
AVS 4000 Animal and Vet. Sci. Prof. Develop.	1		
TOTAL	15	TOTAL	14

TOTAL 121-124

Animal Agribusiness	Hours
Techniques (4)	8
Evaluation	2
Experience Based Activity	2
Elective	8

AVS Equine Business Concentration

¹See General Education Requirements. Cannot be APEC or ECON. Three of these credits must satisfy the Cross-Cultural Awareness requirement.

²Select from:

- AVS 2000 Beef Cattle Techniques
- AVS 2010 Poultry Techniques
- AVS 2030 Dairy Techniques
- AVS 2050 Horsemanship Techniques
- AVS 2060 Swine Techniques
- AVS 2090 Livestock Exhibition Techniques
- AVS 2110 Meat Processing Techniques
- AVS 3020 Livestock Selection and Evaluation
- AVS 3090 Principles of Equine Evaluation
- AVS 3110 Dairy Cattle Selection
- AVS 3230 Poultry and Poultry Products Evaluation
- AVS 4050 Advanced Selection and Evaluation
- AVS 4550 Animal Reproductive Management

³Select from:

- AVS 3600 Internship
- AVS 3900 Practicum
- AVS 4410 Teaching Experience
- AVS 4420 Extension Experience
- AVS 4430 International Experience
- AVS 4440 Animal Agribusiness Travel Experience
- AVS 4910 Undergraduate Research Experience

AVS Pre-Veterinary & Science Concentration 2013-2014

Freshman			
Fall		Spring	
AVS 1000 Orientation to AVS	1	BIOL 1040 General Biology II and	3
AVS 1500 Introduction to Animal Science	3	BIOL 1061 General Biology Lab II or	1
AVS 1510 Intro to Animal Science Lab	1	BIOL 1110 Principles of Biology II	5
BIOL 1030 General Biology <i>and</i>	3	CH 1020 General Chemistry	4
BIOL 1050 General Biology Lab <i>or</i>	1	ENGL 1030 Accelerated Composition	3
BIOL 1100 Principles of Biology	5	MTHS 1020 Intro. To Math. Analysis <i>or</i>	3
CH 1010 General Chemistry	4	MTHS 1060 Calculus of One Variable I	4
Arts and Humanities (Non-Lit.) Requirement ¹	3	AVS Techniques Requirement ²	2
TOTAL	16-17	TOTAL	16-18

Sophomore			
Fall		Spring	
CH 2230 Organic Chemistry	3	CH 2240 Organic Chemistry	3
CH 2270 Organic Chemistry Lab.	1	CH 2280 Organic Chemistry Lab.	1
PHYS 2070 General Physics I	3	EXST 3010 Introductory Statistics <i>or</i>	3
PHYS 2090 General Physics I Lab.	1	MTHS 2030 Elem Statistical Inference	3
Arts and Humanities (Literature) Req. ¹	3	PHYS 2080 General Physics II	3
AVS Techniques Requirement ²	2	PHYS 2100 General Physics II Lab.	1
Social Science Requirement ¹	3	Oral Communication Requirement ³	3
		AVS Techniques Requirement ²	2
TOTAL	16	TOTAL	16

Junior			
Fall		Spring	
AVS 3010 Anat. and Phys. of Domestic Anim.	4	AVS 3750 Applied Animal Nutrition	3
AVS 3100 Animal Health	3	AVS 4530 Animal Reproduction	3
AVS 3700 Principles of Animal Nutrition	3	GEN 3000 Molecular and General Genetics ⁵	3
BCHM 3010 Molecular Biochemistry <i>or</i>	3	MICR 3050 General Microbiology ⁵	4
BCHM 3050 Essential Elements of Biochemistry <i>or</i>	3	AVS Experience Based Activity ⁶	1
BCHM 4060 Physiological Chemistry	3		
Departmental Requirement ⁴	3		
TOTAL	16	TOTAL	14

Senior			
Fall		Spring	
AVS 4060 Seminars and Related Topics	2	AVS 4100 Domestic Animal Behavior	3
AVS 4150 Contemporary Issues in Animal Science	3	AVS 4130 Animal Products	3
AVS Techniques Requirement ²	2	AVS Experience Based Activity ⁶	2
Departmental Requirement ⁴	3	Departmental Requirement ⁴	3
Elective	3	Social Science Requirement ¹	3
AVS 4000 Animal & Vet. Sci. Prof. Develop.	1		
TOTAL	14	TOTAL	14

TOTAL 122-125

Pre-vet. and Science	Hours
Techniques (4)	8
Departmental Requirements	9
Experience Based Activity	3
Electives	3

AVS Pre-veterinary & Science Concentration

¹See General Education Requirements. Must be from two separate fields. APEC and ECON are considered the same field. Three of these credits must satisfy the Cross-Cultural Awareness requirement.

²Select from:

- AVS 2000 Beef Cattle Techniques
- AVS 2010 Poultry Techniques
- AVS 2030 Dairy Techniques
- AVS 2040 Equine Techniques
- AVS 2050 Horsemanship Techniques
- AVS 2060 Swine Techniques
- AVS 2090 Livestock Exhibition Techniques
- AVS 2110 Meat Processing Techniques
- AVS 3020 Livestock Selection and Evaluation
- AVS 3090 Principles of Equine Evaluation
- AVS 3110 Dairy Cattle Selection
- AVS 3230 Poultry and Poultry Products Evaluation
- AVS 4050 Advanced Selection and Evaluation
- AVS 4550 Animal Reproductive Management

³Oral communication requirement can be met by:

- COMM 1500
- COMM 2500

⁴Select 9 hours from any graded (not pass/fail) 300/400 level course and/or any of the following 100/200 level courses:

- ACCT 2010 Financial Accounting Concepts (3)
- APEC 2020 Agricultural Economics (3)
 Or ECON 2110 Principles of Microeconomics (3)
- ECON 2120 Principles of Macroeconomics (3)
- CSEN 2020 Soils (4)
- MGT 2010 Principles of Management (3)
- BIOL 2220 Human Anatomy and Physiology I (3)
- BIOL 2230 Human Anatomy and Physiology II (3)
- SPAN 1010 Elementary Spanish (4)
- SPAN 1020 Elementary Spanish (4)

⁵May take GEN 3000 and MICR 3050 in either semester of the Junior year.

⁶Select from:

- AVS 3600 Internship
- AVS 3900 Practicum
- AVS 4410 Teaching Experience
- AVS 4420 Extension Experience
- AVS 4430 International Experience
- AVS 4440 Animal Agribusiness Travel Experience
- AVS 4910 Undergraduate Research Experience