

Approval Chart for Curriculum Changes

A = Approval I = Information*

Course Number _____ or Degree Plan(s) ANSC – PVH

State the requested change and reason. A memo may be attached if more space is necessary.

The admissions requirements for Veterinary Medical School have changed. They now require MATH 377 Statistical Methods and PSYC 120. These changes have been made in the PVH and ANIMAL HEALTH PROFESSIONS COOPERATIVE degree plans.

COUNCIL**

	Change to a Course	Dept./School	College Academic	Deans	TEC	UGEC	UUAC	GRAD	Provost	President
1.	Title (description unchanged)	A	A	A			I		I	I
2.	Description (not affecting content)	A	A	A			I		I	I
3.	Content (substantive change)	A	A	A			I		A	A
4.	Number of hours (lecture, lab, contact)	A	A	A			A		A	A
5.	Course number within the hundred	A	A	I			I		I	I
6.	Course number beyond the hundred	A	A	A			A		A	A
7.	Prerequisites	A	A	A			I		I	I
8.	Course fee(s)	A	--	A			--		A	I
9.	From U to G or G to U	A	A	A			A		A	A
10.	Cross list with another dept: U or G level	A	A	A			A		A	A
11.	Department of record	A	A	A			A		A	A
12.	Open or close a course	A	A	A			A		A	A
13.	New course — See Adams Center for packet. This change includes combining or splitting a course(s).	A	A	A			A		A	A

* Councils may request additional information about "Information" items. These items are approved as "Consent Agenda."

**Courses offered only to students seeking teacher certification must go through the Teacher Education Council.

Note: When an academic unit does not have a council, the UGEC and/or UUAC will serve as its academic council, depending on the nature of the issue.

Approval Chart for Curriculum Changes

A = Approval

I = Information

	Change to a Degree Plan	Dept./School	College Academic	Deans	TEC	COUNCIL			Provost	Faculty	President
						UGEC	UUAC	GRAD			
1.	University Requirements — Change in approved course content**	A	A	A		A			A	--	A
2.	University Requirements — Add or drop a required course from the University Requirements chart**	A	A	A		A			A	A	A
3.	University Requirements — Add or drop a course from a menu within the University Requirements**	A	A	A		A			A	--	A
4.	University Requirements — Change hours within a menu on the University Requirements chart**	A	A	A		A			A	A	A
5.	Major — Revision of major ♦ ‡	A	A	A		A			A	--	A
6.	Major — Adopt or change admission requirements	A	A	A		A			A	--	A
7.	Major — Add or discontinue	A	A	A		A			A	A	A
8.	GPA — Revise major or cumulative requirement	A	A	A		A			A	A	A
9.	Minor — Revise course selection	A	A	A		I			I	--	I
	Minor — Add or discontinue	A	A	A		A			A	--	A
10.	Degree — Add or discontinue	A	A	A		A			A	A	A
11.	Any change to a graduate degree program*	A	A	A		A			A	--	A

♦ A minimum of 30 hours is required for a major. A maximum is specified for each degree (e.g., BA, BS). The university minimum for elective hours is 6, unless the requirements of external accrediting bodies make it impossible.

‡ Program or course changes applying to any major that includes Teacher Certification will be reviewed by the college, the Teacher Education Council (TEC), and then the UUAC.

* All graduate degree plan changes must go through the Graduate Council.

** Courses that satisfy ACU's University Requirements (General Education) will normally have lower-level numbering, be free of prerequisites and corequisites, appeal to more than one or two majors, and "not narrowly focus on those skills, techniques, and procedures specific to a particular occupation or profession" (SACS 2.7.3). Departments may request exceptions to the first three criteria.

Note: The Board of Trustees is informed when a major or degree is added or discontinued.

Revised 4-18-12

Approval Chart for Academic Information Changes

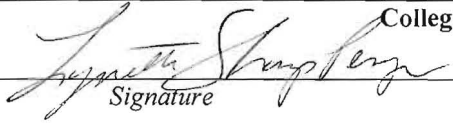
	Change to the Catalog	Dept./School	College Academic	Deans	UGEC	UUAC	GRAD	Provost	Faculty	President	Board of Trustees
1.	General requirements for graduation including course requirements that are common to all majors for all degrees*	--	--	--		A		A	A	A	--
2.	Admission requirements	--	--	--		A		A	A	A	--
3.	Policies governing academic probation and suspension	--	--	--		A		A	A	A	--
4.	Requirements for graduating with honors	--	--	--		A		A	A	A	--
5.	Other academic policy changes	--	--	--		A		A	--	A	

* The UUAC approved the clarification that "general requirements for graduation" means the seventeen items in the "General Requirements for Bachelor's Degrees" section of the catalog.

Revised 3-2-11

Curriculum/Catalog Changes Signature Page

Department/School Chair(s)	
 Signature	<u>2-27-2014</u> Approval date
_____ Signature	_____ Approval date

College Academic Council(s)	
 Signature	<u>3-4-14</u> Approval date
_____ Signature	_____ Approval date

Dean(s)	
_____ Signature	_____ Approval date
_____ Signature	_____ Approval date

Teacher Education Council	
_____ Chair's signature	_____ Approval date

General Education Council	
_____ Chair's signature	_____ Approval date

Undergraduate Academic Council	
_____ Chair's signature	_____ Approval date

Graduate Council	
_____ Chair's signature	_____ Approval date

Provost	
_____ Signature	_____ Approval date

Faculty	
_____ Chair of faculty senate	_____ Approval date

President	
_____ Signature	_____ Approval date

ANIMAL SCIENCE (BS)

The animal science degree is designed to prepare students to effectively serve the livestock industry by producing graduates conversant in issues related to animal agriculture. The curriculum is designed for academically talented students interested in the application of biology and technology to the care, management and study of domestic animals. While the program emphasizes traditional farm species of dairy cattle, beef cattle and swine, it also addresses companion animals, small ruminants and poultry. The animal science curriculum contains a fundamental animal science core accompanied by emphasis tracks. The tracks are pre-veterinary medicine and health, business and industry, livestock management, and biotechnology and research. Graduates are prepared for admission to professional and/or graduate programs for advanced studies or entry into career fields.

BS: ANIMAL SCIENCE DEGREE PLAN (ANSC)	
UNIVERSITY REQUIREMENTS	
Please see the University Requirements section of this catalog (page 40).	
MAJOR REQUIREMENTS	
Agricultural and Environmental Sciences Core	
AENV 110 Intro. to Ag. and Envr. Syst. and Tech	3
ANSC 111 General Animal Science	3
ENVR 112 Plant Science	3
ENVR 233 Soil Science	3
TOTAL	12
Animal Science Core	
AGRB 261 Principles of Agricultural and Applied Economics ..(3) ¹	
AGRB 382 Agribusiness Management	3
ANSC 336 Animal Nutrition	3
ANSC 343 Animal Reproduction	3
ANSC 392 Animal Health	3
ANSC 496 Animal Breeding	3
ANSC 497 Special Problems in Animal Science (capstone and writing-intensive course)	3
TOTAL	18
Kinesiology (LM and PVH use ANSC 360 for 1 hour of PEAC activity)(1) ¹	
Mathematics	
MATH 123 Intro to Probability and Statistics (BI and LM) or MATH 124 Precalculus II (BR) or MATH 377 Calculus I-Statistical Methods I(PVH)(3) ¹	
Science Requirements	
BIOL 112 General Biology I	(3) ¹
BIOL 114 General Biology I Lab	1
BIOL 113/115 General Biology II Lecture/Lab	4
BIOL 351 Genetics	3
CHEM 113 Introductory Chemistry (BI and LM) or CHEM 133 General Chemistry I (BR and PVH)	(3) ¹
TOTAL	38
¹ Hours (in parentheses) may also fulfill university requirements and are not included in total major hours	
ANIMAL INDUSTRY AND BUSINESS TRACK (BI)	
ANSC 337 Animal Nutrition Lab	1
ANSC 345 Techniques in Animal Production	1
FIN 416 Personal Financial Planning	3
MKTG 320 Principles of Marketing	3
Choose two from the following:	6
ANSC 235 Companion Animal Management	
ANSC 363 Monogastric Livestock Production	
ANSC 483 Ruminant Livestock Production	
Choose one from the following:	3
AENV 371 Experimental Design and Data Analysis	
ENVR 350 Rangeland Ecology	

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TOTAL	17
SUPPLEMENT FOR MAJOR (BI TRACK)	
ACCT 210 Financial Accounting	3
ACCT 211 Managerial Accounting	3
CHEM 111 Introductory Chemistry Lab	1
CHEM 112/114 Introductory Organic and Biological Chemistry Lecture/Lab	4
TOTAL	11
BIOTECHNOLOGY AND RESEARCH TRACK (BR)	
AENV 371 Experimental Designs and Data Analysis	3
ANSC 337 Animal Nutrition Lab	1
ANSC 431 Animal Biotechnology	3
Recommended Emphases (choose one):	
Biotechnology Emphasis (8 hours)	
BIOL 312 Cell Biology	3
BIOL 475 Molecular Genetics	3
BIOL 476 Biotechnology Lab	2
Research Emphasis (7 hours)	
ANSC 345 Techniques in Animal Production	1
Choose two from the following:	6
ANSC 235 Companion Animal Management	
ANSC 363 Monogastric Livestock Production	
ANSC 483 Ruminant Livestock Production	
ENVR 350 Rangeland Management	
TOTAL	14-15
SUPPLEMENT FOR MAJOR (BR TRACK)	
CHEM 131 General Chemistry Lab	1
CHEM 132/134 General Chemistry II Lecture/Lab	4
CHEM 221/223 Organic Chemistry I Lecture/Lab	4
CHEM 322/324 Organic Chemistry II Lecture/Lab	4
TOTAL	13
LIVESTOCK MANAGEMENT TRACK (LM)	
ANSC 337 Animal Nutrition Lab	1
ANSC 345 Techniques in Animal Production	1
ANSC 483 Ruminant Livestock Production	3
ENVR 350 Rangeland Ecology	3
Recommended Emphases (choose one):	
Animal Production Emphasis (14 hours)	
AENV 371 Experimental Designs and Data Analysis	3
ANSC 235 Companion Animal Management	3
ANSC 360 Horses and Horsemanship	2
ANSC 363 Monogastric Livestock Production	3
ANSC 431 Animal Biotechnology	3
Rangeland Ecology Emphasis (13 hours)	
ENVR 345 Rangeland Plants	3
ENVR 354 Range Science	3
ENVR 455 Wildlife Ecology	4
Choose one from the following:	3
AENV 371 Experimental Designs and Data Analysis	
ANSC 235 Companion Animal Management	
ANSC 363 Monogastric Livestock Production	
ENVR 341 Water Resources	
TOTAL	21-22
SUPPLEMENT FOR MAJOR (LM TRACK)	
CHEM 111 Introductory Chemistry Lab	1
CHEM 112/114 Introductory Organic and Biological Chemistry Lecture/Lab	4

Comment [JC1]: Changed from bold

TOTAL	5
PRE-VETERINARY MEDICINE AND HEALTH TRACK (PVH)	
ANSC 235 Companion Animal Management	3
ANSC 360 Horses and Horsemanship	2
TOTAL	5
SUPPLEMENT FOR MAJOR (PVH TRACK)	
BIOL 355/357 Microbiology I Lecture/Lab	4
CHEM 131 General Chemistry Lab	1
CHEM 132/134 General Chemistry II Lecture/Lab	4
CHEM 221/223 Organic Chemistry I Lecture/Lab	4
CHEM 322/324 Organic Chemistry II Lecture/Lab	4
CHEM 453 Biochemistry I	3
CHEM 454 Biochemistry II	3
PSYC 120 Intro to Psychology	(3) ¹
TOTAL	23
ELECTIVES	
Minimum (BI Track)	6
Minimum (BR Track)	6-7
Minimum (LM Track)	7-8
Minimum (PVH Track)	6
TOTAL MAJOR HOURS	72
OTHER GRADUATION REQUIREMENTS	
Minimum GPA for graduation	2.00
Minimum advanced hours	33
Minimum total hours	128
<i>Courses numbered 0** do not count in minimum hours required for degree.</i>	

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COOPERATIVE BACHELOR OF SCIENCE DEGREE (BS)

Admission Requirements

Before being admitted to a program, a student must satisfy the requirements listed in the *ACT SAT Placement Information* section of this catalog (page 20).

ANIMAL HEALTH PROFESSIONS COOPERATIVE (BS)

The Department of Agricultural and Environmental Sciences offers the BS degree in cooperation with some schools of veterinary medicine. In this program a bachelor's degree (BS in Animal Science) is awarded to certain qualified students who have satisfactorily completed three years of prescribed work at ACU (a minimum of 104 hours) plus one year at a recognized school of veterinary medicine.

BS: ANIMAL HEALTH PROFESSIONS COOPERATIVE DEGREE PLAN (AHPC)	
UNIVERSITY REQUIREMENTS	
Please see the University Requirements section of this catalog (page 40).	
MAJOR REQUIREMENTS	
Agribusiness	
AGRB 261 Principles of Agricultural and Applied Economics ..	(3) ¹
Animal Science	
AENV 110 Intro. to Ag. and Envr. Syst. and Tech.	3
ANSC 111 General Animal Science	3
ANSC 336 Animal Nutrition	3
ANSC 497 Special Problems in Animal Science (capstone and writing-intensive course)	3
Biology	
BIOL 112 General Biology I	(3) ¹
BIOL 114 General Biology I Lab	1
BIOL 113/115 General Biology II Lecture/Lab	4
BIOL 351 Genetics	3
BIOL 355/357 Microbiology Lecture/Lab	4
Chemistry	
CHEM 133 General Chemistry I	(3) ¹
CHEM 131 General Chemistry I Lab	1
CHEM 132/134 General Chemistry II Lecture/Lab	4
CHEM 221/223 Organic Chemistry I Lecture/Lab	4
CHEM 322/324 Organic Chemistry II Lecture/Lab	4
CHEM 453 Biochemistry I	3
CHEM 454 Biochemistry II	3
English	
ENGL 326 Business and Professional Writing <i>or</i> ENGL 327 Scientific and Technical Writing	3
Mathematics	
MATH 131 Calculus for Applications <i>or</i> MATH 185 Calculus I Math 377 Statistical Methods I	(3) ¹
Physics	
PHYS 110/111 General Physics I Lecture/Lab	4
PHYS 112/113 General Physics II Lecture/Lab	4
Social Science/Fine Arts/Humanities	
PSYC 120 Intro. To Psychology	(3) ¹
TOTAL	54
¹ Hours (in parentheses) may also fulfill university requirements and are not included in total major hours	
Professional School Requirement	
ACU awards the bachelor's degree to certain qualified students who have satisfactorily completed three years of prescribed work at ACU (a minimum of 104 hours) plus one year at a recognized professional school. Students in the cooperative degree program are advised by an advisor in the Department of Agriculture and Environmental Studies.	

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TOTAL MAJOR HOURS	54
OTHER GRADUATION REQUIREMENTS	
Minimum GPA in major	2.00
Minimum GPA for graduation	2.00
Minimum advanced hours from ACU	23
Minimum total hours from ACU	107
Minimum total hours	128
<i>Courses numbered 0** do not count in minimum hours required for degree.</i>	