Abilene Approval Chart for Curriculum Changes

A = Approve I = Information Item R = Respond In Writing

Course Number: or Degree Plan(s): Animal Science Animal Science, Pre-Veterinary Medicine and Health

Short description: We are requesting two changes to this plan. The first change is contingent upon approval of the new course AENV 353: Plant and Animal genetics. This change will replace the required classes BIOL 351: Genetics, and BIOL 352: Genetics Lab with AENV 353. The second change is to replace the math requirement of MATH 377 with MATH 123 or MATH 377. Texas A&M Veterinary College has agreed to accept MATH 123 for their statistics requirement. These changes will reduce the degree plan by 1 hour.

	Campus-Level Academic Review[1]	Dept./School	College	Dean	TEC	AUAC/Grad	Provost
	Change to a Course Include signatures from all chairs/program directors for cross-listed courses.[1]						
1.	Title (description unchanged)	A	A	A	I	I	I
2.	Description (not affecting content)	A	A	A	I	I	I
3.	Course term(s)	A	I	A	I	I	I
4.	Content (change of course outcomes)	A	A	A	I	I	A
5.	Number of credit hours	A	A	A	A	A	A
6.	Course number within the hundred	A	A	I	I	I	I
7.	Course number beyond the hundred	A	A	A	A	A	A
8.	Prerequisites	A	A	A	I	I	I
9.	Course restriction (e.g., majors only, junior standing)	A	A	A	A	A	A
10.	Level change (U to G *or* G to U)	A	A	A	A	A	A
11.	Cross list course	A	A	A	A	A	A
12.	Department of record	A	A	A	A	A	A
13.	Open or close a course	A	A	A	A	A	A
	Change to a Degree Plan						
14.	Educational Program — Revise	A	A	A	A	A	A
15.	Educational Program — Adopt/revise admission requirements	A	A	A	A	A	A
16.	GPA — Revise program-required GPA	A	A	A	A	A	A
17.	Minor — Revise	A	A	A	A	A	A

	Full Review	Dept./School	College	Dean	TEC	AUAC/Grad	Provost	Campus Faculty	Senior VPAA	President
	Change to Catalog Information (for Campus)									
18.	General requirements for Bachelor's and Associate Degrees	–	–	–	–	A	A	A	A	I
19.	Policies governing academic probation and suspension	–	–	–	–	A	A	A	A	I
20.	Requirements for graduating with honors	–	–	–	–	A	A	A	A	I
	Change to a Degree Plan									
21.	Educational Program — Add or Discontinue[2] [3]	A	A	A	A	A	A	A	A	I
22.	Educational Program — Discontinue (Provost-proposed)	R	–	R	A	A	A	A	A	I
23.	Minor — Add or Discontinue	A	A	A	A	A	A	–	A	I
24.	Minor — Discontinue (Provost-proposed)	R	–	R	A	A	A	–	A	I
25.	Degree — Add or Discontinue	A	A	A	A	A	A	A	A	I
26.	Degree — Discontinue (Provost-proposed)	R	–	R	A	A	A	A	A	I

	Change to General Education Requirements for Undergraduates (System)	Dept./School	College	Dean	TEC	AUAC/Grad	Provost	Campus Faculty	Senior VPAA	President
27.	Change course outcomes of an included course	A	A	A	A	A	A	–	A	I
28.	Add or drop a required course from the General Education Requirements	A	–	A	–	A	A	A	A	I
29.	Add or drop a course from a menu within the General Education Requirements	A	–	A	–	A	A	–	A	I
30.	Comprehensive revision of General Education Requirements	–	–	–	–	A	A	A	A	I

Notes

[2] Any change to a cross-listed course requires the signature of both department chairs or program directors overseeing the course to ensure that the courses stay in sync. This includes courses taught at other campuses (e.g., BIBL 101 and BIBO 101).

[3] For undergraduate majors, a minimum of 30 hours is required. These programs must have a minimum of 6 elective hours, unless the requirements of external accrediting bodies make it impossible. Master's programs

must include a minimum of 30 hours, and doctoral programs must include a minimum of 30 hours beyond the master's.

[4] When a department/school or dean proposes closing a program, approval routing follows the typical process beginning with the department/school. An administrative proposal by the provost or senior vice president for academic affairs would follow the "provost-proposed" routing on the chart.

Updated 8/1/2023

Department/School(s)

Sam Funk
Sam Funk (Sep 26, 2025 10:24:52 CDT)

09/26/2025

Chair Signature | Date

Chair/Program Director Signature | Date

College Academic Council(s)

Kathleen Lee

10/02/2025

Chair Signature | Date

Chair Signature | Date

Dean(s)

Charles Munsch

10/06/2025

Signature | Date

Signature | Date

Teacher Education Council

Signature | Date

Campus Academic Council:
Abilene Undergraduate or Abilene Graduate

Signature | Date

Provost

Signature | Date

University General Education Council

Signature Date

University Faculty

Abilene Faculty Senate Chair signature Date

Dallas Faculty Council Chair signature Date

Senior Vice President for Academic Affairs

Signature Date

President

Signature Date

Animal Science, Pre-Veterinary Medicine and Health, BS (ANSC-PVH)

BS: Animal Science Degree Plan (ANSC)
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.

General Education Requirements
Please see the General Education section of this catalog.

Major Requirements
Agricultural and Environmental Sciences Core
AENV 101 - Foundations of Agricultural and Environmental Sciences Credit Hours: 1
AENV 201 - Current Issues in Agricultural and Environmental Sciences Credit Hours: 1
AGRB 261 - Principles of Agricultural and Applied Economics Credit Hours: 3 *
ANSC 111 - General Animal Science Credit Hours: 3
ENVR 112 - Plant Science Credit Hours: 3
ENVR 233 - Soil Science Credit Hours: 3

*Hours may also fulfill general education requirements and are not included in total major hours

Total: 11 Credit Hours

Experiential Learning
Students are required to complete an experiential learning component.
Choose 3 hours from the following:
AENV 381 - International Applications in Agricultural & Environmental Sciences Credit Hours: 3
AENV 384 - Internship in Agricultural and Environmental Sciences Credit Hours: 3
AENV 399 - Research in Agricultural & Environmental Sciences Credit Hours: 3 **

**AENV 399 is offered for variable credit, 1-3 credit hours. A total of 3 credit hours must be taken to meet the experiential learning requirement. The course may be repeated for up to 3 credit hours.

Total: 3 Credit Hours

Animal Science Core
AENV 353 - Plant and Animal Genetics Credit Hours: 3
ANSC 336 - Animal Nutrition Credit Hours: 3
ANSC 343 - Animal Reproduction Credit Hours: 3
ANSC 392 - Animal Health Credit Hours: 3

ANSC 496 - Animal Breeding Credit Hours: 3
ANSC 497 - Special Problems in Animal Science Credit Hours: 3 (capstone and writing-intensive course)
Total: ~~15~~ 18 Credit Hours

Total: ~~29~~ 32 Credit Hours

Pre-Veterinary Medicine and Health (PVH)
Choose 6 hours from the following menu:
ANSC 235 - Companion Animal Management Credit Hours: 3
ANSC 360 - Horses and Horsemanship Credit Hours: 3
ANSC 363 - Monogastric Livestock Production Credit Hours: 3
ANSC 483 - Ruminant Livestock Production Credit Hours: 3

Mathematics
MATH 131 - Calculus for Application Credit Hours: 3 *
or
MATH 185 - Calculus I Credit Hours: 3 *

MATH 123 - Elementary Statistics Credit Hours: 3
or
MATH 377 - Statistical Methods I Credit Hours: 3

*Hours may also fulfill general education requirements and are not included in total major hours

Science Requirements
BIOL 121 - Introductory Biology I Credit Hours: 3 *
BIOL 122 - Introductory Biology I Laboratory Credit Hours: 1
BIOL 123 - Introductory Biology II Credit Hours: 3
BIOL 124 - Introductory Biology II Laboratory Credit Hours: 1
~~BIOL 351 - Genetics Credit Hours: 3~~
~~BIOL 352 - Genetics Laboratory Credit Hours: 1~~
CHEM 133 - General Chemistry I Credit Hours: 3 *
CHEM 131 - General Chemistry Laboratory I Credit Hours: 1

*Hours may also fulfill general education requirements and are not included in total major hours

Total: ~~19~~ 15 Credit Hours

Supplement for Major
BIOL 355 - Microbiology Credit Hours: 3
BIOL 357 - Microbiology Laboratory Credit Hours: 1
CHEM 132 - General Chemistry Laboratory II Credit Hours: 1
CHEM 134 - General Chemistry II Credit Hours: 3
CHEM 221 - Organic Chemistry Laboratory I Credit Hours: 1
CHEM 223 - Organic Chemistry I Credit Hours: 3
CHEM 322 - Organic Chemistry Laboratory II Credit Hours: 1

CHEM 324 - Organic Chemistry II Credit Hours: 3
CHEM 453 - Biochemistry I: Foundations of Biochemistry Credit Hours: 3
PHYS 110 - General Physics I Credit Hours: 3
PHYS 111 - General Physics I Laboratory Credit Hours: 1
PHYS 112 - General Physics II Credit Hours: 3
PHYS 113 - General Physics II Laboratory Credit Hours: 1
Total: 27 Credit Hours

Electives
Minimum - 0 Credit Hours

Total Major Hours: ~~75~~ 74