

# NATURAL RESOURCES PATHWAY

AGRICULTURE, FOOD & NATURAL RESOURCES

CAREER &  
TECHNICAL  
EDUCATION



## ANIMAL SCIENCE PROGRAM

### CTE COURSE SEQUENCE

#### FOUNDATIONAL (9TH & 10TH)

- Intro to Career Pathways
- Technology Applications
- Introduction to Agriculture - **S**
- Introduction to Animal Science - **S**

#### TECHNICAL (11TH & 12TH)

- Introduction to Veterinary Science - **S**
- Veterinary Science 1 & 2 - **S**

ACADEMIC ELECTIVE CREDITS: **S** = SCIENCE **M** = MATH **LA** = LANGUAGE ARTS **SS** = SOCIAL STUDIES

#### ACADEMIC RIGOR

- Precalculus with Trigonometry
- Chemistry
- Physics

#### STUDENT ORGANIZATION (CTSO)

- FFA

#### CERTIFICATION

- CPR/First Aid
- Texas A&M Veterinary Assistant

#### EARLY COLLEGE CREDIT OPTIONS

COLLEGE  
CREDITS

##### DUAL ENROLLMENT

- Technology Applications 1, 2, 3 3 cr
- Personal Finance 3 cr

##### AP (WITH PASSING SCORE ON AP EXAM)

- AP Biology
- AP Chemistry
- AP Physics

# MAPPING YOUR 4-YEAR PLAN\*

9TH GRADE	CREDITS	10TH GRADE	CREDITS
<input type="checkbox"/> Introduction to Career Pathways	.5 cr	<input type="checkbox"/> Introduction to Agriculture - <b>S</b>	.5 cr
<input type="checkbox"/> Technology Applications 1	.5 cr	<input type="checkbox"/> Introduction to Animal Science - <b>S</b>	.5 cr
<input type="checkbox"/> Algebra 1	1 cr	<input type="checkbox"/> AK Wildlife	.5 cr
<input type="checkbox"/> English 1	1 cr	<input type="checkbox"/> World Language/Elective	.5 cr
<input type="checkbox"/> Biology	1 cr	<input type="checkbox"/> Geometry	1 cr
<input type="checkbox"/> Civics	.5 cr	<input type="checkbox"/> English 2	1 cr
<input type="checkbox"/> Health	.5 cr	<input type="checkbox"/> Physical Science	1 cr
<input type="checkbox"/> PE	1 cr	<input type="checkbox"/> World History	1 cr
11TH GRADE	CREDITS	12TH GRADE	CREDITS
<input type="checkbox"/> Introduction to Veterinary Science - <b>S</b>	.5 cr	<input type="checkbox"/> Veterinary Assistant 1 - <b>S</b>	1 cr
<input type="checkbox"/> Personal Finance - <b>M</b>	.5 cr	<input type="checkbox"/> Veterinary Assistant 2 - <b>S</b>	1 cr
<input type="checkbox"/> Equine Science	.5 cr	<input type="checkbox"/> Advanced Math	1 cr
<input type="checkbox"/> World Language/Elective	.5 cr	<input type="checkbox"/> English	1 cr
<input type="checkbox"/> Algebra 2	1 cr	<input type="checkbox"/> Science	1 cr
<input type="checkbox"/> English	1 cr	<input type="checkbox"/> U.S. Government	.5 cr
<input type="checkbox"/> Science	1 cr	<input type="checkbox"/> AK History	.5 cr
<input type="checkbox"/> U.S. History	1 cr		

\*These are suggested courses to best prepare students for post-secondary transitions and credentialing. Actual courses may depend on school schedule availability and enrollment capacity. Some classes may be available at other locations through District-wide or course share options. Graduation requirements for number of credits and required courses are set at a district level and are subject to change. Talk to your counselor about your graduation requirements and to schedule your courses.

## STACKABLE CREDENTIALS & DEGREES\*

HIGH SCHOOL	COLLEGE	
<input type="checkbox"/> Dual Enrollment <input type="checkbox"/> Academic AP	<input type="checkbox"/> Entrepreneur <input type="checkbox"/> Veterinary Technician (certification program) <input type="checkbox"/> Associate of Applied Science in Fisheries Technology <input type="checkbox"/> Bachelor of Science in Fisheries and Ocean Science <input type="checkbox"/> Master of Science in Fisheries <input type="checkbox"/> Veterinary Medicine (DVMed) <input type="checkbox"/> Doctorate in Fisheries <input type="checkbox"/> Doctor of Veterinary Medicine	
INDUSTRY CERTIFICATION		
<input type="checkbox"/> CPR/First Aid <input type="checkbox"/> Texas A&M Veterinary Assistant <input type="checkbox"/> Veterinary Technician National Exam		
APPRENTICESHIP		MILITARY
<input type="checkbox"/> Private Entity		<input type="checkbox"/> U.S. Armed Forces

\*Listed Certifications, Apprenticeships and College Degree Programs represent a SAMPLE of available credentials. Available credentials are subject to change due to industry and postsecondary institution changes.