



Industry Sector: Agriculture & Natural Resources

Pathway: Animal Science

Student Organization: FFA

Grade	English Language Arts	Math	Social Studies	Science	Career Technical Education Course	Other Required Courses or Recommended Electives		Sample Occupations relating to this pathway
9	<i>English 1 (1510)</i>	<i>Int Math 1 (2200)</i>		<i>Int Sci 1 (2530)</i>	Introduction to Agriculture (5000)	PE 1 (4500)	Introduction to Agriculture and Natural Resources (5000)	Occupations requiring a high school diploma <ul style="list-style-type: none"> • Entry Level Dairy Technician • Rancher • Butcher • Stable Manager Industry recognized certifications, licenses, credentials or apprenticeships related to this pathway.
10	<i>English 2 (1640)</i>	<i>Int Math 2 (2201) or Int Math 2-H (2202)</i>	<i>World History (1050)</i>	<i>Biology & Sustainable Agriculture (6255)</i>		PE 2 (4510)	<i>Spanish 1 (3000) or ASL 1 (3100)</i>	
11	<i>English 3 (1670)</i>	<i>Int Math 3 (2205) or Int Math 3-H (2206)</i>	<i>US History (1090)</i>	<i>Chemistry & Agriscience (6222)</i>	Intermediate Animal Science (5010)	<i>The Art and History of Floral Design (5090)</i>	<i>Spanish 2 (3010) or ASL 2 (3110)</i>	
12	<i>English 4 (1700)</i>	<i>CLMP (2250) or AP Calculus (2150)</i>	<i>Gov / Econ (1130/1170)</i>	<i>Physics-H (2650)</i>	Veterinary Science (Advanced Animal Science) (5130)			

2 Year Postsecondary Degree/Certificate Programs

4 Year Postsecondary Program Options

COS Tulare Campus:

- Animal Science (AS)
- Certificate of Achievement in Animal Science
- Certificate of Achievement in Equine Science

Reedley College

- Animal Science (AS)
- Certificate of Achievement in Animal Husbandry

Modesto Junior College

- Animal Science (AS)
- Dairy Science (AS)
- Poultry Science (AS)
- Veterinary Technology (AS)
- Certificate of Achievement in Equine Science
- Certificate of Achievement in Artificial Insemination
- Certificate of Achievement in Large Animal Veterinary Technician
- Certificate of Achievement in Veterinary Technician

Fresno State:

- Animal Science - Production Management (BS)
 - Dairy Science
 - Equine Science
 - Livestock & Poultry Management
 - Meat Technology
 - Pre-Veterinary
 - Pre-Professional

Occupations requiring some post-secondary

- Artificial Insemination Technician
- Service Rep in Pharmaceuticals/Feed Companies
- Registered Veterinary Tech

Occupations requiring a 2 year Degree

- Veterinary Assistant

Occupations requiring a BA/BS Degree

- Veterinarian
- Brand Inspector
- Research Biologist
- Federal Meat Inspector
- Livestock Buyer
- Ag Teacher

Color Key As Follows:

Other Required Courses (A-G courses italicized)

Required Courses (A-G courses italicized)

Dual/Concurrent Enrollment - Articulated Courses

Career Technical Education Courses (A-G courses italicized)

Certificate/Postsecondary Options

Sample Occupations/Certifications