

Animal Science

Career Cluster Description: The production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources .

Major Options

| | | | |
|------------------|--------------------|----------------|-----------------------|
| Animal Breeder | Zoologist | Aquaculture | Biologist |
| Animal Caretaker | Veterinary Science | Animal Trainer | Wildlife Conservation |

| Grade 9 | | Grade 10 | | Grade 11 | | Grade 12 | |
|--|---------------------------------|---|---------------------------------------|---|--------------------------|-------------------------------|-------------------------------|
| S1 | S2 | S1 | S2 | S1 | S2 | S1 | S2 |
| English 1 | English 1 | English 2 | English 2 | English Elective | English Elective | English Elective | English Elective |
| Physical Science | Physical Science | Biology | Biology | Science Elective | Science Elective | Science Elective | Science Elective |
| Civics | Health | World History | World History | U.S. History | U.S. History | U.S. Govern. | AK History |
| Algebra I | Algebra I | Geometry | Geometry | Algebra 2 | Algebra 2 | <i>Advanced Math</i> | <i>Advanced Math</i> |
| P.E. | P.E. | Elective | <i>Elective</i> | <i>Elective</i> | <i>Elective</i> | <i>Co-op Work Experience</i> | <i>Co-op Work Experience</i> |
| <i>Intro to Career Pathways</i> | <i>Customer Service</i> | <i>Elective</i> | <i>Elective</i> | <i>Elective</i> | <i>Personal Finance*</i> | <i>Veterinary Assistant 1</i> | <i>Veterinary Assistant 2</i> |
| <i>Technology Applications 1*</i> | <i>Accounting 1 Or Elective</i> | <i>Introduction to Agriculture</i> | <i>Introduction to Animal Science</i> | <i>Introduction to Veterinary Science</i> | <i>Equine Science</i> | <i>Veterinary Assistant 1</i> | <i>Veterinary Assistant 2</i> |
| Work-Based Learning Opportunities | | | | Career-Technical Student Organizations (CTSO) | | Certifications | |
| <ul style="list-style-type: none"> Apprenticeship Cooperative Education Job Shadowing | | <ul style="list-style-type: none"> Paid/Unpaid Internship School-Based Enterprise Service Learning | | <ul style="list-style-type: none"> Future Farmers of America (FFA) HOSA | | | |

POSTSECONDARY OPTIONS

| Two-Year College or Proprietary Programs | Adult Registered Apprenticeships | Four-Year College and University Programs | Certifications | Licenses, On The Job Training, Training Certificates, etc. |
|--|--|---|----------------|--|
| <ul style="list-style-type: none"> Fisheries Technology | Department of Labor and Workforce Development, Office of Apprenticeship, email apprenticeship@alaska.gov or your local Alaska Job Center staff who will help you identify apprenticeable occupations and help you prepare for your future. You may also call (877) 724-2539 | <ul style="list-style-type: none"> Biology Fisheries Marine or Wildlife Biology Veterinary Medicine/Pre-Pro | | |

*College Credits may be available. [Click here for details.](#)