

# Industry Credentials, Concentration Sequences, and Career Clusters

## Small Animal Care I (18 weeks) (8081)

### Concentration Sequences:

*A combination of this course and those below, equivalent to two 36-week courses, is a **concentration sequence**. A **program completer** is a student who has met the requirements for a CTE concentration sequence and all other requirements for high school graduation or an approved alternative education program. Students wishing to complete a specialization may take additional courses based on their career pathways.*

- Agricultural Business Fundamentals I
- Biological Applications in Agriculture
- Biotechnology Applications in Agriculture
- Biotechnology Foundations in Agricultural and Environmental Science
- Biotechnology Foundations in Health and Medical Sciences
- Equine Science (18 Weeks)
- Equine Science (36 Weeks)
- Livestock Production Management

### Career Clusters, Career Pathways, and Occupations:

- Agriculture, Food and Natural Resources
  - Agribusiness Systems
    - Farm, Ranch Manager
    - Farmer/Rancher
  - Animal Systems
    - Animal Breeder, Husbandry
    - Animal Geneticist
    - Animal Nutritionist
    - Animal Scientist
    - Aquacultural Manager
    - Poultry Manager
    - Veterinarian
    - Veterinary Technician
  - Natural Resources Systems

- Fish and Game Officer
- Fisheries Technician
- Wildlife Manager
- Science, Technology, Engineering and Mathematics
  - Science and Mathematics
    - Animal Nutritionist
    - Animal Scientist
    - Veterinarian
    - Veterinary Assistant