

Industry Credentials, Concentration Sequences, and Career Clusters

Veterinary Science I (8088)

Industry Credentials:

These apply only to 36-week courses.

- Animal Systems Assessment
- Beef Quality Assurance Examination
- Canine Care and Training Program- Level 1 Certification Examination
- Certified Veterinary Assistant (CVA) Examination (AAH)
- Certified Veterinary Assistant Examination
- College and Work Readiness Assessment (CWRA+)
- Customer Service Specialist (CSS) Examination
- Fundamentals of Animal Science Certification Examination
- Meat Evaluation Certification Examination
- National Career Readiness Certificate Assessment
- Pet Sitters Certification Examination
- Principles of Livestock Selection and Evaluation Certification Examination
- Small Animal Science and Technology Assessment
- Veterinary Medical Applications Examination
- Workplace Readiness Skills for the Commonwealth Examination

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 (8022/36 weeks)
- Biological Applications in Agriculture (8086/36 weeks)
- Biotechnology Foundations in Agricultural and Environmental Science (8085/36 weeks)
- Biotechnology Foundations in Health and Medical Sciences (8344/36 weeks)
- Equine Science (8015/18 weeks)
- Equine Science (8080/36 weeks)
- Introduction to Animal Systems (8008/36 weeks)
- Livestock Production Management (8012/36 weeks)
- Small Animal Care I (8081/18 weeks)

- Small Animal Care I (8083/36 weeks)
- Veterinary Science II (8089/36 weeks, 140 hours)

Career Clusters, Career Pathways, and Occupations:

- Agriculture, Food and Natural Resources
 - Agribusiness Systems
 - Agricultural Products Sales Representative
 - Farm Products Purchasing Agent and Buyer
 - Farm, Ranch Manager
 - Farmer/Rancher
 - Feed, Farm Supply Store Sales Manager
 - Animal Systems
 - Animal Breeder, Husbandry
 - Animal Geneticist
 - Animal Nutritionist
 - Animal Scientist
 - Aquacultural Manager
 - Poultry Manager
 - Veterinarian
 - Veterinary Technician
 - Environmental Service Systems
 - Secondary School Teacher
 - Natural Resources Systems
 - Fish and Game Officer
 - Fisheries Technician
 - Microbiologist
 - Wildlife Manager
- Health Science
 - Biotechnology Research and Development
 - Biochemist
 - Cell Biologist
 - Medical, Clinical Laboratory Technician
 - Research Assistant
 - Diagnostics Services
 - Medical, Clinical Laboratory Technician
 - Medical, Clinical Laboratory Technologist
 - Phlebotomist
 - Respiratory Therapy Technician
 - Health Informatics
 - Epidemiologist
 - Medical Assistant
 - Support Services
 - Medical, Clinical Laboratory Technologist
 - Therapeutic Services
 - Certified Nurse Aide
 - Emergency Medical Technician, Paramedic

- Medical Assistant
- Registered Nurse
- Respiratory Therapist
- Respiratory Therapy Technician
- Surgeon
- Surgical Technologist
- Veterinary Assistant
- Veterinary Technologist
- Science, Technology, Engineering and Mathematics
 - Science and Mathematics
 - Animal Nutritionist
 - Animal Scientist
 - Biologist
 - Microbiologists
 - Veterinarian
 - Veterinary Assistant