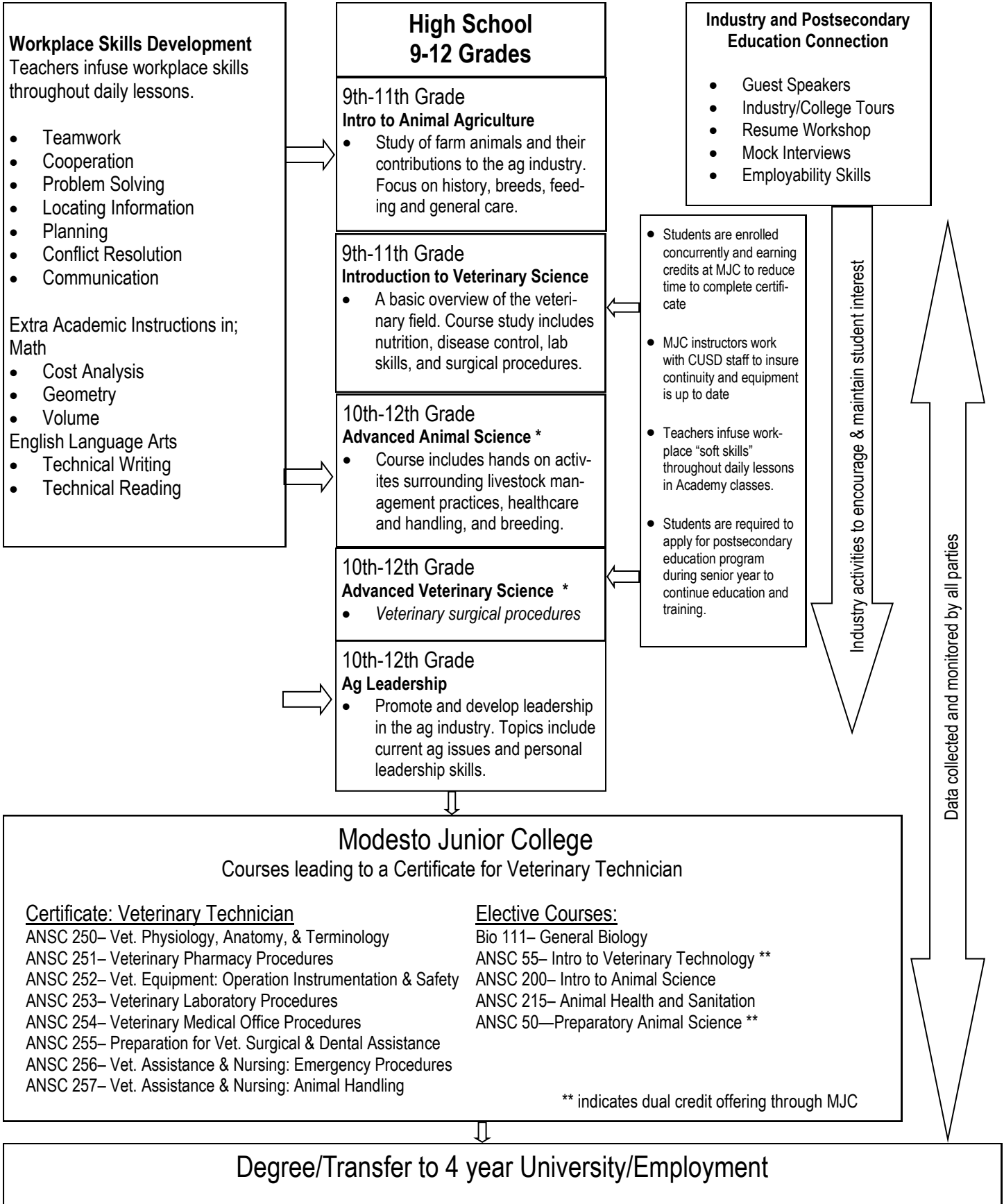


Animal Science Pathway (CHS)

CTE Sector: Agriculture & Natural Resources—CTE Pathway: Animal Science



Program of Study Worksheet

This Program of Study should be customized with course titles and appropriate high school graduation requirements as well as college entrance requirements.

Industry Sector: Agriculture & Natural Resources

Career Pathway: Animal Science Pathway - Ceres High School

Program of Study: Veterinary Science

This Program of Study is a formalized Tech Prep articulated pathway Yes No

LEVELS	GRADE	English/ Language Arts	Math	Science	Social Studies	Career Technical Education Courses	Other Required Courses or Recommended Electives	SAMPLE Occupations Relating to this Pathway
SECONDARY	9	English 9	Int. Mathematics I or Int. Accelerated Mathematics I	Physics of the Universe or Adv Phys. of the Universe	AP Human Geography	Intro to Animal Ag	PE Foreign Language	Occupations requiring less than a Baccalaureate Degree -Vet Hospital Assistant -Livestock Ranching -Breeder Occupations requiring a Baccalaureate Degree -Veterinarian
	10	English 10	Int. Mathematics II or Int. Accelerated Mathematics II	Chemistry in the Earth Systems or Adv Chemistry in Earth Systems	World History or AP European History	Intro to Veterinary Science	PE Drivers Ed/Health Foreign Language	
	11	English 11	Int. Mathematics III or Int. Acc. Mathematics III or AP Statistics	Biology of The Living Earth or AP Biology	U.S. History or AP U.S. History	Advanced Animal Science or Advanced Vet Science	Foreign Language	
	12	English 12	Pre-Calculus or AP Calculus or AP Statistics	AP Physics or Anatomy Physiology	Principles of Democracy or AP Government or Economics	Advanced Animal Science or Advanced Vet Science Ag Leadership		
Sample of post-secondary courses at Modesto Junior College								Industry recognized certification, licenses, or credentials related to this pathway -Artificial Insemination Tech -Ag Lab Technician
POSTSECONDARY	Year 13	<u>Certificate: Veterinary Technician</u>			<u>Elective Courses:</u>			
	Year 14	ANSC 250– Vet. Physiology, Anatomy, & Terminology			Bio 111– General Biology			
	Year 15	ANSC 251– Veterinary Pharmacy Procedures			ANSC 55– Intro to Veterinary Technology			
	Year 16	ANSC 252– Vet. Equipment: Operation Instrumentation & Safety			ANSC 200– Intro to Animal Science			
		ANSC 253– Veterinary Laboratory Procedures			ANSC 215– Animal Health and Sanitation			
		ANSC 254– Veterinary Medical Office Procedures						
		ANSC 255– Preparation for Vet. Surgical & Dental Assistance						
		ANSC 256– Vet. Assistance & Nursing: Emergency Procedures						
		ANSC 257– Vet. Assistance & Nursing: Animal Handling						

