

Agriculture, Food and Natural Resources Course Crosswalk		Future Possibilities		
1997	2010	4 x 4	ATC	End of Program Licensure/Certification
Introduction to World Agriculture	Principles of Agriculture Food and Natural Resources			
Applied Agricultural Science and Technology				
Energy and Environmental Technology	Energy and Natural Resources Technology			Private Pesticide Applicator
Exploring Aquaculture	Wildlife, Fisheries and Ecology Management			
Introduction to Horticultural Science	Horticulture Science			Private Pesticide Applicator
Introduction to Agricultural Mechanics	Agricultural Mechanics and Metal Technologies			
Home Maintenance and Improvement	Some components of the course are in Construction Technology (Architecture and Construction); some components are in the Agricultural Mechanics and Metal Technologies course.			
Food Technology	Food Technology and Safety			
Plant and Animal Production	knowledge and skills embedded in Livestock Production, Small Animal Management, Advanced Animal Science and Advanced Plant and Soil Science.	x		
Agribusiness Management and Marketing	Agribusiness Management and Marketing			
Advanced Agricultural Management and Marketing		x		
Entrepreneurship in Agriculture	Entrepreneurship (Marketing cluster)			
Wildlife and Recreation Management	Wildlife, Fisheries and Ecology Management			
Range Management and Ecology	Range Ecology and Management			Private Pesticide Applicator
Forestry and Wood Technology	Forestry and Woodland Ecosystems			Private Pesticide Applicator
Landscape Design, Construction and Maintenance	Landscape Design and Turf Grass Management		x	Private Pesticide Applicator Safe Tractor and Machinery Operation Texas Certified Nursery Professional
Horticultural Plant Production	Horticulture Science		x	Private Pesticide Applicator Texas Certified Nursery Professional Texas Master Gardener
Floral Design and Interior Landscape Management	Principles and Elements of Floral Design		x	Floral Certification
Advanced Floral Design				
Fruit, Nut and Vegetable Production	Embedded in Food Processing			
Personal Skill Development in Agriculture	Professional Standards in Agribusiness			
Agricultural Communications	Professional Communications (Arts, A/V Technology and Communications cluster)			

Agricultural Structures Technology	Agricultural Facilities Design and Fabrication		x	NCCER Carpentry Certification NCCER Electrical Certification NCCER Heating, Ventilation & AC Certification NCCER Masonry Certification NCCER Painting Certification NCCER Pipefitting Certification NCCER Plumbing Certification
Agricultural Metal Fabrication Technology	Combined into Agricultural Mechanics and Metal Technologies and Agricultural Facilities Design and Fabrication		x	NCCER Carpentry Certification NCCER Electrical Certification NCCER Heating, Ventilation & AC Certification NCCER Painting Certification NCCER Plumbing Certification NCCER Welding Certification NCCER Sheet Metal Certification AWS/SENSE Level 1 Entry-Level Welder
Agricultural Power Technology	Agricultural Power Systems		x	NCCER Electrical Certification NCCER Heating, Ventilation & AC Certification Outdoor Power Equipment Technician Tractor and Machinery Operator
Agricultural Electronics	Moved to Information Technology cluster			
Specialty Agriculture	Embedded in Small Animal Management			
Animal Science	Embedded in Livestock Production and Advanced Animal Science			
Advanced Animal Science	Advanced Animal Science	x	x	
Plant and Soil Science	Advanced Plant and Soil Science	x	x	
Advanced Plant and Soil Science				
Equine Science	Equine Science		x	
Applied Entomology	innovative			
Agricultural Biotechnology	Embedded into Biotechnology (STEM cluster) and Advanced Biotechnology (STEM cluster)		x	
Agricultural Science and Technology Independent Study	Problems and Solutions (§127)			
Aquaculture Production	Embedded in Wildlife, Fisheries and Ecology Management and Practicum in Agriculture, Food and Natural Resources			
Agricultural Resources				
Meats Processing	Food Processing		x	Meat Processing
Horticulture II	Horticulture Science		x	
Horticulture II				

Agricultural Power and Machinery	Agriculture Power Systems		x	
Agricultural Mechanics I	Agricultural Power Systems or Agricultural Facilities Design and Fabrication or Practicum in Agriculture, Food and Natural Resources			
Agricultural Mechanics II				
Animal Production	Livestock Production or Practicum in Agriculture, Food and Natural Resources			
Agricultural Career Preparation	Practicum in Agriculture, Food and Natural Resources OR Career Preparation (§127)			Private Pesticide Applicator Tractor and Machinery Operator
Environmental Technology	Advanced Environmental Technology		x	Private Pesticide Applicator Safety and Pollution Prevention (S/P2)
	Mathematical Applications in Agriculture, Food and Natural Resources	x		
	Veterinary Medical Applications		x	Certified Veterinary Assistant
Fourth Science Recommendations				
	Advanced Animal Science	x		
	Advanced Plant and Soil Science	x		
	Advanced Biotechnology (STEM)	x		
Fourth Math Recommendation				
	Mathematics Applications in Agriculture, Food and Natural Resources	x		
Innovative Courses				
Canine Science	Embedded in Small Animal Management			
Pet and Companion Animal Management	Embedded in Small Animal Management			
Introduction to Veterinary Technology	Embedded in Veterinary Medical Applications			
Veterinary Medical Assistant I	Veterinary Medical Applications		x	Certified Veterinary Assistant
Veterinary Medical Assistant II	use Advanced Animal Science OR Practicum in AFNR or innovative		x	Certified Veterinary Assistant
Agricultural Algebraic Exploration	stays innovative			
Introduction to GIS Careers in Agriculture	Moved to Information Technology			
GIS/GPS Applications in Agriculture	Moved to Information Technology			
GIS Internship in Agriculture	Moved to Information Technology			
Animal Biomedical Science	Biotechnology (STEM cluster) and Advanced Biotechnology (STEM cluster)			
Introduction to Biotechnology				
Small Animal Management	Small Animal Management			
Advanced Agriculture Biotechnology	Advanced Biotechnology (STEM cluster)	x		
Feline Science	Embedded in Small Animal Management			
Floriculture I	Principles and Elements of Floral Design			

Floriculture II	Practicum in Agriculture, Food and Natural Resources			Floral Certification
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