



Pathway: Agribusiness Systems

Plan of Study: Agricultural Production & Service

Career Goal (O*Net Code): Agricultural Crop Farm Managers (11-9011), Agricultural Technicians (19-4011), Livestock Producers (45-2021), Agriculture Educator (??-????)

Suggested High School Courses

High School	9 th	Core Academic Courses*:	English I, Biology, Algebra I, World History, Geography, Word Processing	Suggested Electives: Physical Education, Spanish I, Choral Connection
		Career Path Courses:	Vocational Agriculture I	
10 th	Core Academic Courses*:	English II, Chemistry/Physics, Algebra II, U.S. History	Suggested Electives: Physical Education, Spanish II, Business Applications,	
	Career Path Courses:	Vocational Agriculture II		
11 th	Core Academic Courses*:	English (four hours from advanced courses), Strategies for Responsible Adults, Science (four hours from advanced courses), American Government, Algebra II	Suggested Electives: Physical Education, Spanish III, Business Classes (from advanced courses)	
	Career Path Courses:	Vocational Agriculture III		
12 th	Core Academic Courses*:	English (four hours from advanced courses), Science (four hours from advanced courses), Math (four hours from advanced courses)	Suggested Electives: Physical Education, Business (hours from advanced courses), Social Studies (hours from advanced courses)	
	Career Path Courses:	Vocational Agriculture IV		

* Default includes CDHE Higher Education Admission Requirements

Secondary to Postsecondary Linkages & Certifications

Recognition for Advanced Learning	Postsecondary Credit Options: Academic and vocational credit options are available through Trinidad State Junior College. Agribusiness Statewide Articulation Agreement AGE 102 or 205.
	Industry Recognized Certificate(s) or License(s): None

		Postsecondary Programs Available in Colorado	Colorado Institutions	Entrance Exams/ Requirements
Postsecondary Education Opportunities	Certificate	Ag Production, Ag Business Management	NJC, LCC, TSJC, SJBTC, MCC	High School diploma or GED
	Associate Degree	Ag Production	LCC, NJC	High School diploma or GED
	Bachelor Degree	Agribusiness Management, Livestock Production, Crop Production, Ag Education and any other Agriculture Discipline.	CSU	See each school's Admissions website.
	Graduate Degree	Any Agriculture Graduate Degree	CSU	See each school's Admissions website.

Cluster Overview: The **Agricultural, Food and Natural Resources** cluster focuses on careers in the planning, implementation, production, management, processing, and/or marketing of agricultural commodities and services.

Extended Learning Experiences		
Curricular Experiences: Classroom Instruction Agricultural Mechanics Instruction Proficiency Application State Degree Career Development Events FFA	Extracurricular Experiences: National Western Stock Show Colorado State Fair County Fair	
Work-Based Learning Experiences: Supervised Agricultural Experience Programs. Includes both entrepreneurship and placement (working for ag employers, parents and others doing agricultural work) opportunities.	Program Accreditation and/or Professional Association(s): None	
Service Learning Experiences: FFA, 4-H Numerous Community Service Opportunities		
Career Options:		Salary Range:
Certificate	Farmer/Rancher, Pesticide Applicator, Insect Scout	\$
Associate Degree	Animal Health Tech, Farm/ Ranch Manager	\$\$
Bachelor Degree	Animal Repro Technician, Certified crop Advisor, Agricultural Researcher, Chemical Salesperson, Cooperative Extension Agent, Agriculture Education Teacher.	\$\$\$-\$\$\$\$
Graduate Degree	Veterinary Scientist, Plant Scientist, Soil Scientist, Plant Breeder, Range Scientist, State Extension Agronomist	\$\$\$-\$\$\$\$

* \$ = \$15-25,000; \$\$ = \$25-55,000; \$\$\$ = \$55-90,000; \$\$\$\$ = Above \$90,000

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