



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

Hi-Plains High School * Default includes CDHE Higher Education Admission Requirements	9 th	Core Academic Courses*:	9 th English, Algebra I, 9 th Geography, Environmental Science	Suggested Electives: Physical Education Computer Applications Art, Band, Foods, Other
		Career Path Courses:	Introduction to Agricultural Science & Technology (Ag Ed I)	
10 th	Core Academic Courses*:	10 th English, Geometry, Biology I, Health (sem.), Speech (sem.),	Suggested Electives: Physical Education Computer Applications Art, Band, Foods, Other	
	Career Path Courses:	Fundamentals of Agricultural Science & Technology (Ag Ed II)		
11 th	Core Academic Courses*:	English III, Algebra II/ or other math, Biology II, American History/World Geography	Suggested Electives: Accounting, Journalism Ag Mech. & Woods, Foreign Language, Environmental Science	
	Career Path Courses:	Advanced Agricultural Science & Technology I (Ag Ed III)		
12 th	Core Academic Courses*:	12 th English, Trigonometry or other Math, Chemistry or Physics, Civics/World History,	Suggested Electives: Senior Seminar, Accounting, Ag Mech. & Woods, Environmental Science	
	Career Path Courses:	Advanced Agricultural Science & Technology II (Ag Ed IV)		

Secondary to Postsecondary Linkages & Certifications

Recognition for Advanced Learning	Postsecondary Credit Options: Agribusiness Statewide Articulation Agreement AGE 102 or 205.
	Industry Recognized Certificate(s) or License(s): Private Pesticide Applicators License

		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 Out of State – Colby CC, LCCC (WY)	High School diploma or GED
	Bachelor Degree	Agribusiness Management, Livestock Production, Agronomy	CSU Out of State – KSU, UW	See each school's Admissions website.
	Graduate Degree	NA	NA	NA

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: FFA Farm Business Management Ag Sales Marketing Plan Competition FBLA	Extracurricular Experiences: Colorado Farm Show National Western Stock Show Ag Outlook Forum Career Development Events Stratton Equity COOP Farm Show	
Work-Based Learning Experiences: Career Preparation – Paid and Unpaid, Job Shadowing, Internships SAE	Program Accreditation and/or Professional Association(s): Insert Accreditation Boards or Professional Organizations Here Society of Range Managers Livestock Breed Associations (Angus, Hereford, etc.)	
Service Learning Experiences: FFA, 4-H		
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	\$\$\$-\$\$\$\$
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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