



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, Physical Science, World History I, Algebra I, PE	Suggested Electives: Art, Foods, Woods
		Career Path Courses:	Ag-Ed I	
* Default includes CDHE Higher Education Admission Requirements	10 th	Core Academic Courses*:	English II, Biology, World Geography, Algebra II, Spanish I	Suggested Electives: Art, Foods, Woods, PE
		Career Path Courses:	Ag-Ed II , Accounting I	
	11 th	Core Academic Courses*:	English III, History of US I, Geometry, Anatomy & Physiology	Suggested Electives: Art, Foods, Woods, Psychology
		Career Path Courses:	Ag Ed III & Ag-Ed V, Business Law, Marketing	
	12 th	Core Academic Courses*:	College English Composition, College Algebra, American Government, US History II,	Suggested Electives: Art, Foods, Woods, Technology Applications
		Career Path Courses:	Ag-Ed IV & Ag-Ed VI, Entrepreneurship	

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):

Postsecondary Education Opportunities	Postsecondary Programs Available in Colorado		Colorado Institutions	Entrance Exams/ Requirements
	Certificate	Ag Production, Ag Business Management		NJC, LCC, TSJC, SJBTC, MCC
Associate Degree	Ag Production		LCC, NJC	High School diploma or GED
Bachelor Degree	Agribusiness Management, Livestock Production		CSU	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 Career Development Events	Extracurricular Experiences: Colorado Farm Show National Western Stock Show Ag Outlook Forum	
Work-Based Learning Experiences: Career Preparation – Paid and Unpaid, Job Shadowing, Internships Adopt-a-sow program Adopt-a-cow program Bottle Calf program Poultry program Greenhouse-Horticulture Production	Program Accreditation and/or Professional Association(s): Colorado Farm Bureau Rocky Mountain Farmers Union	
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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