



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, Algebra I, Earth or Environmental Science, Geography	Suggested Electives: Physical Education Band
		Career Path Courses:	Ag. Science One	
* Default includes CDHE Higher Education Admission Requirements	10 th	Core Academic Courses*:	English II, Geometry, Biology, American History, Spanish I	Suggested Electives: Computer Applications Spanish II
		Career Path Courses:	Ag. Science Two, Horticulture, Farm Carpentry	
	11 th	Core Academic Courses*:	English III, Algebra II, Chemistry	Suggested Electives: College Speech Calculus
		Career Path Courses:	Advanced Ag. Science, Ag. Mechanics, Farm Carpentry	
	12 th	Core Academic Courses*:	English IV, Trigonometry, College Algebra, Chemistry, College Anatomy	Suggested Electives: Trigonometry
		Career Path Courses:	Advanced Ag. Science, Ag. Mechanics, Farm Carpentry	

Secondary to Postsecondary Linkages & Certifications

Recognition for Advanced Learning	Postsecondary Credit Options: Dual Credit classes are available through Lamar Community College and Northeastern Jr. College Animal Science, Agriculture Economics, Agriculture Mechanics, Welding
	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	High School diploma or GED
	Bachelor Degree	Agribusiness Management, Livestock Production	CSU	See each school's Admissions website.
	Graduate Degree	Refer to current CSU catalog	Colorado State University	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: FFA Farm Business Management Livestock Evaluation Agricultural Mechanics Agronomy/Field Crops	Extracurricular Experiences: Colorado Farm Show National Western Stock Show Ag Outlook Forum 3I Show American Royal Livestock Show	
Work-Based Learning Experiences: Career Preparation – Paid and Unpaid, Job Shadowing, Internships	Program Accreditation and/or Professional Association(s): Colorado Cattleman's Association Bent / Prowers Cattleman's Association Prowers County Farm Bureau	
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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