



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, Civics	Suggested Electives: Physical Education
		Career Path Courses:	Introduction to Agricultural Science & Technology	
* Default includes CDHE Higher Education Admission Requirements	10 th	Core Academic Courses*:	English II, Geometry, Biology, World History, Foreign Language I	Suggested Electives: Computer Applications, Speech
		Career Path Courses:	Fundamentals of Agricultural Science & Technology	
	11 th	Core Academic Courses*:	English III, Algebra II/ or other, Biology II, American History	Suggested Electives: Art, P.E.
		Career Path Courses:	Advanced Agricultural Science & Technology I	
	12 th	Core Academic Courses*:	English IV, Trigonometry or other Math, Government, Chemistry or other lab based science	Suggested Electives: Accounting
		Career Path Courses:	Advanced Agricultural Science & Technology II or Plant Science, Animal Science, or Agricultural Mechanization	

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): Insert Certification Options

		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	Insert Options Here	Insert Options Here	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

<p>Curricular Experiences:</p> <p>FFA Farm Business Management Ag Sales Marketing Plan Competition Other Career Development Events</p>	<p>Extracurricular Experiences:</p> <p>Colorado Farm Show National Western Stock Show Ag Outlook Forum</p>
<p>Work-Based Learning Experiences:</p> <p>Career Preparation – Paid and Unpaid, Job Shadowing, Internships Supervised Agricultural Experience (S.A.E.)</p>	<p>Program Accreditation and/or Professional Association(s):</p> <p>Insert Accreditation Boards or Professional Organizations Here</p>
<p>Service Learning Experiences:</p> <p>FFA, 4-H</p>	

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

VALLEY RE 1 does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs or activities. Please direct inquiries to: Dr. Betty Summers – Superintendent, 970-522-0792 ext. 231.