



Pathway: Agribusiness and Production 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				
Limon High School * Default includes LHS Higher Education Admission Requirements	9 th	Core Academic Courses*:	English I, Algebra I or Equivalent, Science in Technical World 1 or Biology 1, World History	Suggested Electives: (room for 2) Art, IA Music, Band Computer Applications
		Career Path Courses:	Introduction to Agricultural Sciences & FFA	
	10 th	Core Academic Courses*:	English II, Algebra 2 of Equivalent, Geometry, Science in Technical World 2 or Biology 2, US History or Geography,	Suggested Electives: (room for 2) Art, IA Music, Band Computer Applications
		Career Path Courses:	Agriculture Science (accomplishes 1 science credit), or Agriculture Mechanics, or Agriculture Business and Communications, or Agriculture Construction (2 Class periods)	
	11 th	Core Academic Courses*:	English III, Geometry or Equivalent, Chemistry, US History or Geography,	Suggested Electives: (room for 2) Art, IA, Music Band Computer Applications
		Career Path Courses:	Agriculture Science (accomplishes 1 science credit), or Agriculture Mechanics, or Agriculture Business and Communications, or Agriculture Construction (2 Class periods)	
	12 th	Core Academic Courses*:	English Compsodition/Brit. Lit or English IV, Advanced Math, or College Math, Physics or Environmental Science, Government,	Suggested Electives: (room for 2) Art, IA Music, Band Computer Applications
		Career Path Courses:	Agriculture Science (accomplishes 1 science credit), or Agriculture Mechanics, or Agriculture Business and Communications, or Agriculture Construction (2 Class periods)	

Secondary to Postsecondary Linkages & Certifications

Recognition for Advanced Learning	Postsecondary Credit Options: 58 college credits offered through the Limon High School agriculture program: Construction Certificate Level 1 and Level 2 (52 credit hours), Agriculture Mechanics (3 credit hours), Agriculture Business (3 credit hours)
	Industry Recognized Certificate(s) or License(s): Level 1 and Level 2 Construction Certificates available.

		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	Masters and Doctorial Degrees in Agriculture Production	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: CDEs

Prepared Public Speaking	Farm Business Management
Extemporaneous Speaking	Parliamentary Procedure
Creed Speaking	Job Interview
Marketing Plan	Crops Evaluation
Meats Evaluation	Soil Evaluation
Livestock Evaluation	Nursery and Landscape
Horse Evaluation	Ag Sales
Ag Mechanics	

Extracurricular Experiences:

Showing at the National Western Stock Show
 Showing at the Colorado State Fair
 Colorado Farm Show
 Ag Outlook Forum/ Hall of Fame Banquet
 Washington Leadership Conference
 Chapter Officer Leadership Training
 National FFA Convention
 State FFA Convention

Work-Based Learning Experiences:

SAE Career Preparation – Paid and Unpaid, Job Shadowing, Internships

Program Accreditation and/or Professional Association(s):

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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