



## 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 <sup>th</sup>	Core Academic Courses*:	English I, Algebra I, Biology, World Geography	Suggested Electives: Physical Education
		Career Path Courses:	Introduction to Agricultural Science & Technology	
10 <sup>th</sup>	Core Academic Courses*:	English II, Geometry, Physical Science, U.S. History	Suggested Electives: Driver's Ed	
	Career Path Courses:	Fundamentals of Agricultural Science & Technology		
11 <sup>th</sup>	Core Academic Courses*:	English III, Algebra II, Chemistry, World History	Suggested Electives: Spanish I	
	Career Path Courses:	Advanced Agricultural Science & Technology I		
12 <sup>th</sup>	Core Academic Courses*:	English IV, Advanced Math, Physics or other advanced science option, Government and Economics	Suggested Electives: Spanish II	
	Career Path Courses:	Advanced Agricultural Science & Technology II or Plant Science, Animal Science, or Agricultural Mechanization		

\* Default includes CDHE Higher Education Admission Requirements

#### Secondary to Postsecondary Linkages & Certifications

<b>Recognition for Advanced Learning</b>	<b>Postsecondary Credit Options:</b> State wide articulated agreement with NJC and Lamar CC on Animal Science, Agronomy and Ag Economics
	<b>Industry Recognized Certificate(s) or License(s):</b>

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

<b>Career Options:</b>		<b>Salary Range:</b>
<b>Certificate</b>	Farmer/Rancher, Pesticide Applicator, Insect Scout	\$
<b>Associate Degree</b>	Animal Health Tech, Farm/ Ranch Manager	\$\$
<b>Bachelor Degree</b>	Animal Repro Technician, Certified crop Advisor, Agricultural Researcher, Chemical Salesperson, Cooperative Extension Agent	\$\$\$-\$\$\$\$
<b>Graduate Degree</b>	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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