



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 * Default includes CDHE Higher Education Admission Requirements | 9 th | Core Academic Courses*: | Literature, American History I, Algebra I, Physical Science or Biology, Spanish I | Suggested Electives: Physical Education Art/Freshman Orientation |
|--|------------------|-------------------------|---|--|
| | | Career Path Courses: | Vocational Agriculture I | |
| | 10 th | Core Academic Courses*: | American Literature, American History II, Algebra II, Physical Science or Biology, Health | Suggested Electives: Computer Applications Study Hall Art |
| | | Career Path Courses: | Vocational Agriculture II | |
| | 11 th | Core Academic Courses*: | World Literature I, Psychology or Economics, Algebra III, Chemistry or Physics | Suggested Electives: Advanced Art Weights Teacher's Aid |
| | | Career Path Courses: | Vocational Agriculture III and IV (Two Hours) (Agriculture Business/Ag Mechanics or Agriculture Science/Ag Mechanics) | |
| | 12 th | Core Academic Courses*: | World Literature II, Psychology or Economics, Advanced Math, Chemistry or Physics | Suggested Electives: Advanced Art Weights Teacher's Aid |
| | | Career Path Courses: | Vocational Agriculture III and IV (Two Hours) (Agriculture Business/Ag Mechanics or Agriculture Science/Ag Mechanics) | |

Secondary to Postsecondary Linkages & Certifications

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| Recognition for Advanced Learning | Postsecondary Credit Options: Interactive Video Classroom with Aims Community College. Agribusiness Statewide Articulation Agreement AGE 102 or 205. |
| | Industry Recognized Certificate(s) or License(s): N/A |

| 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 | |

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 Soils/Dairy Judging Crops Judging Farm Business Management/Livestock/Horse/Meats Judging | Extracurricular Experiences: National Western Stock Show National Convention State Convention District Leadership Conference | |
| Work-Based Learning Experiences: Career Preparation – Paid and Unpaid, Job Shadowing, Internships. SAE: Have own livestock or farm project. Work for someone else in agriculture production. | Program Accreditation and/or Professional Association(s): N/A | |
| 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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