



Program of Study: Crop Science Certificate

Career Pathway: Agriculture

Secondary Partner:

Post-secondary Partner: Trinidad State College

Program Name:

Program Name: Crop Science Certificate

CIP:

CIP: 01.0304

Program ID:

Program ID: CER_4AG2

Secondary Program Description: A program that prepares individuals to cultivate grain, fiber, forage, oilseed, fruits and nuts, vegetables, and other domesticated plant products. Includes instruction in basic principles of plant science, health, and nutrition as applied to species and breeds; soil preparation and irrigation; pest management; planting and harvesting operations; product marketing; and applicable issues of safety, regulation, logistics, and supply.	
Career and Technical Courses	Possibilities of careers, and demand relating to this Pathway
State Graduation Requirements: www.cde.state.co.us/postsecondary/graduationguidelines	
High School/Secondary	<ul style="list-style-type: none"> AGE 2105 Farm and Ranch Management CE AGY 1100 General Crop Production CE BIO 1111 General College Biology I with Lab: GT-SC1 CE MAT 1140 Career Math, or MAT 1240 Mathematics for Liberal Arts: GT-MA1, or MAT 1260 Introduction to Statistics: GT-MA1, or MAT 1340 College Algebra: GT-MA1 CE AGP 1007 Irrigation Management CE AGY 2140 Introduction to Soil Science: GT: SC1 CE CIS 1018 Introduction to PC Applications CE AGE 1102 Agriculture Economics: GT-SS1AGE 2108 Agricultural Finance ASC 1100 Animal Sciences HLT 1101 Introduction to Horticulture HWE 1050 Human Nutrition RAM 2005 Range Management CE
Related Industry Certifications/Credential(s) offered through program:	Possibilities of Careers: 11-9013.00: Farmers, Ranchers, and Other Agricultural Managers 25-1041.00: Agricultural Sciences Teachers, Postsecondary 25-9021.00: Farm and Home Management Educators 45-1011.00: First-Line Supervisors of Farming, Fishing, and Forestry Workers Employment Demand and Wage Data: Per LMI Gateway, Farm and Ranch Managers who plan, direct, or coordinate the management or operation of farms, ranches, greenhouses, aquacultural operations, nurseries, timber tracts, or other agricultural establishments. These managers may hire, train, or supervise farm workers or contract services to carry out the day-to-day activities of the managed operation. May engage in or supervise planting, cultivating, harvesting, financial, or marketing activities. The estimated employment wage statistics for individuals in Colorado employed for Farmers, Ranchers, and Other Agricultural Managers are a Mean Actual Wage for Colorado is \$71,818 with an entry level salary at \$17.84 per hour or \$37,115 annual and experienced level salary at \$42.87 per hour or \$89,169 annually.
Work-based Learning offered through program: Career Research Cooperative Education Job Shadowing	Work-based Learning offered through program: Career Research Cooperative Education Job Shadowing
Advanced Credit Options Key: Notate above which course has an articulation agreement or concurrent enrollment. AA – Course is approved for Articulation Agreement CE – Course is offered as Concurrent Enrollment	CTSO organization(s): <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FCCLA <input type="checkbox"/> FFA <input type="checkbox"/> CCSA <input type="checkbox"/> HOSA <input type="checkbox"/> SkillsUSA <input type="checkbox"/> TSA <input type="checkbox"/> SC ²

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POSTSECONDARY CREDENTIALS			
Certificate(s) offered through program:	Associate Degree(s) offered through program:	Bachelor's Degree(s) program aligns to:	Advanced Degree(s) program aligns to:
Crop Science Certificate	Agriculture Business AAS	Agriculture Business BS	Agriculture Business MS
<p>Postsecondary Program Description: A program that prepares individuals to cultivate grain, fiber, forage, oilseed, fruits and nuts, vegetables, and other domesticated plant products. Includes instruction in basic principles of plant science, health, and nutrition as applied to species and breeds; soil preparation and irrigation; pest management; planting and harvesting operations; product marketing; and applicable issues of safety, regulation, logistics, and supply.</p>			
<p>Program Requirements for Entry: http://www.trinidadstate.edu/admissions</p>			
CTE Courses			
Semester 1 <ul style="list-style-type: none"> AGE 2105 Farm and Ranch Management AGY 1100 General Crop Production BIO 1111 General College Biology I with Lab: GT-SC1 MAT 1140 Career Math, or MAT 1240 Mathematics for Liberal Arts: GT-MA1, or MAT 1260 Introduction to Statistics: GT-MA1, or MAT 1340 College Algebra: GT-MA1 		Semester 2 <ul style="list-style-type: none"> AGP 1007 Irrigation Management AGY 2140 Introduction to Soil Science: GT: SC1 CIS 1018 Introduction to PC Applications AGE 1102 Agriculture Economics: GT-SS1AGE 2108 Agricultural Finance ASC 1100 Animal Sciences HLT 1101 Introduction to Horticulture HWE 1050 Human Nutrition RAM 2005 Range Management 	

Postsecondary

District/College Review

Secondary Partner
 Print Name:

Title:

Signature:

Date:

Postsecondary Partner

Print Name:

Title:

Signature:

Date: