

Agronomy and Crop Science Education Report

CIP 01.1102

Cochise, Pima, SC

Agronomy and Crop Science

CIP 2010: A program that focuses on the chemical, physical, and biological relationships of crops and the soils nurturing them. Includes instruction in the growth and behavior of agriculture crops, the development of new plant varieties, and the scientific management of soils and nutrients for maximum plant nutrition, health, and productivity.

Target Occupations

	547 Jobs (2016) 66% below National average	14.1% % Change (2017-2022) Nation: -3.7%	\$17.77/hr Median Hourly Earnings Nation: \$15.78/hr		
Occupation	2017 Jobs	Annual Openings	Median Hourly Earnings	Growth (2017 - 2022)	Location Quotient (2017)
Agricultural and Food Science Technicians	19	3	\$16.73/hr	21.05%	0.26
Farmers, Ranchers, and Other Agricultural Managers	503	58	\$16.52/hr	14.91%	0.35
Soil and Plant Scientists	51	5	\$30.05/hr	1.96%	1.00

* Target Occupations – Settings

Occupational Programs						
13.00	119.00	74.00				
Programs (2015)	Completions (2015)	Openings (2015)				
CIP Code	Program	Completions (2012)	Completions (2013)	Completions (2014)	Completions (2015)	Completions (2016)
01.0101	Agricultural Business and Management, General	41	62	42	54	45
01.0901	Animal Sciences, General	36	40	32	31	43
01.1201	Soil Science and Agronomy, General	22	22	18	17	12
01.1101	Plant Sciences, General	9	9	11	14	5
01.1102	Agronomy and Crop Science	2	4	2	2	0
01.0199	Agricultural Business and Management, Other	0	0	2	1	4
01.0000	Agriculture, General	1	0	0	0	0
01.0102	Agribusiness/Agricultural Business Operations	0	0	0	0	0
01.0303	Aquaculture	1	0	0	0	0
01.0308	Agroecology and Sustainable Agriculture	2	1	1	0	0
01.0601	Applied Horticulture/Horticulture Operations, General	0	0	0	0	0
01.1103	Horticultural Science	0	0	0	0	0
01.1106	Range Science and Management	0	0	0	0	0

Programs by Institution				
CIP Code	Title	Institution	Award Level	Completions (2015)
01.0000	Agriculture, General	University of Arizona	Bachelors degree	0
01.0101	Agricultural Business and Management, General	Cochise County Community College District	Associates degree	2
01.0101	Agricultural Business and Management, General	University of Arizona	Bachelors degree	52
01.0102	Agribusiness/Agricultural Business Operations	University of Arizona	Bachelors degree	0
01.0199	Agricultural Business and Management, Other	University of Arizona	Award of at least 1 but less than 2 academic years	1
01.0199	Agricultural Business and Management, Other	University of Arizona	Postbaccalaureate certificate	0
01.0303	Aquaculture	University of Arizona	Postbaccalaureate certificate	0
01.0308	Agroecology and Sustainable Agriculture	University of Arizona	Masters degree	0
01.0308	Agroecology and Sustainable Agriculture	University of Arizona	Doctors degree	0
01.0601	Applied Horticulture/Horticulture Operations, General	Cochise County Community College District	Award of less than 1 academic year	0
01.0901	Animal Sciences, General	University of Arizona	Bachelors degree	27
01.0901	Animal Sciences, General	University of Arizona	Masters degree	3
01.0901	Animal Sciences, General	University of Arizona	Doctors degree	1
01.1101	Plant Sciences, General	University of Arizona	Bachelors degree	10
01.1101	Plant Sciences, General	University of Arizona	Masters degree	3
01.1101	Plant Sciences, General	University of Arizona	Doctors degree	1
01.1102	Agronomy and Crop Science	University of Arizona	Bachelors degree	2
01.1103	Horticultural Science	University of Arizona	Bachelors degree	0
01.1106	Range Science and Management	University of Arizona	Bachelors degree	0
01.1106	Range Science and Management	University of Arizona	Masters degree	0
01.1106	Range Science and Management	University of Arizona	Doctors degree	0
01.1201	Soil Science and Agronomy, General	University of Arizona	Bachelors degree	0
01.1201	Soil Science and Agronomy, General	University of Arizona	Masters degree	10
01.1201	Soil Science and Agronomy, General	University of Arizona	Doctors degree	7

Regional Completions by Award Level

Award Level	Completions (2015)	Percent
● Bachelors degree	2	100.0%
Award of less than 1 academic year	0	0.0%
Award of at least 1 but less than 2 academic years	0	0.0%
Associates degree	0	0.0%
Award of at least 2 but less than 4 academic years	0	0.0%
Postbaccalaureate certificate	0	0.0%
Masters degree	0	0.0%
Post-masters certificate	0	0.0%
Doctors degree	0	0.0%

Regional Completions by Institution

Institution	Certificates (2015)	Degrees (2015)	Total Completions (2015)
University of Arizona	0	2	2

Appendix A - Data Sources and Calculations

Location Quotient

Location quotient (LQ) is a way of quantifying how concentrated a particular industry, cluster, occupation, or demographic group is in a region as compared to the nation. It can reveal what makes a particular region unique in comparison to the national average.

Occupation Data

EMSI occupation employment data are based on final EMSI industry data and final EMSI staffing patterns. Wage estimates are based on Occupational Employment Statistics (QCEW and Non-QCEW Employees classes of worker) and the American Community Survey (Self-Employed and Extended Proprietors). Occupational wage estimates also affected by county-level EMSI earnings by industry.

State Data Sources

This report uses state data from the following agencies: Arizona Department of Administration, Office of Employment and Population Statistics