COCHISE COLLEGE

DEGREE MAP

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Basic Skills requirements and prerequisites, and presumes a fall start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See your counselor for other options and to monitor your progress.

Program Name: Agriculture-Associate of Applied Science Degree

Location(s) Offered:

Douglas Campus (Requires one summer session.)

Learning Outcomes: *Students who successfully complete this program will be able to do the following:*

1. Demonstrate an understanding of livestock production, plants, soils, biotechnology, natural resources, and sustainable agriculture as it relates to the global food industry.
2. Explain the principles of range management, ecological systems, grazing systems and distribution, and stocking rates as they apply to livestock production; and identify range plants.
3. Identify the principles of animal science and apply these principles to efficient livestock and poultry production.
4. Demonstrate an understanding of soil science including the origin, nature, and composition of soils as well as their chemical, physical, and biological properties in relation to plant growth.
5. Demonstrate an understanding of economic principles and their application to agribusiness management and of management principles in both domestic and international markets.
6. Explain digestion and the digestibility of feeds, their nutritive values, grades, and classes; and identify the principles of selection, evaluation, and ration formulations for livestock and poultry.
7. Explain the fundamentals of Equus, anatomical systems, health management, and methods of identification.
8. Demonstrate an understanding of the operational methods of livestock production; and identify economically important traits, principles of animal selection, breeding, and management techniques.

Course or program prerequisite(s) not included in the degree:

ENG 101 Composition requires appropriate English placement score (or see advisor).
MAT 132 Applied Mathematics requires appropriate mathematics placement score (or see advisor).
This program requires RDG 122 Reading Critically or exemption.

Program Reviewed: ***Feb 22, 2016***

Key:
IW=Intensive Writing
F2F=Face-to-Face Instruction
ITV=Instructional Television
VC=Virtual Campus/Online

Requirements	*Course(s) Recommended*	*Delivery Method*	*Credits*
First Semester (Fall):			
Core Curriculum	AGR 102 Introduction to Agriculture	F2F	3
Core Curriculum	AGR 105 Range Management	F2F	3
General Education-Composition	ENG 101 Composition	F2F,VC	3
General Education-Liberal Arts	COM 102 Essentials of Communication	F2F	3
General Education-Mathematics	MAT 132 Applied Mathematics or higher	F2F,VC	3-4
Second Semester (Spring):			
Core Curriculum	AGR 208 Animal Science	F2F	4
Core Curriculum	BIO 100 General Biology (for non-majors)	F2F,VC	4
General Education-Composition	ENG 102 English Composition	F2F,VC	3
General Education-Technology Literacy	CIS 116 Computer Essentials or CIS 120 Intro to Info Systems	F2F,VC	3
Core Curriculum (Summer I)	AGR 220 Agriculture Practicum	F2F	4
Third Semester (Fall):			
Core Curriculum	AGR 237 Equine Science and Management	F2F	4
Core Curriculum	AGR 243 Livestock Production and Management	F2F	3
Core Curriculum	CHM 130 Fundamental Chemistry	F2F,VC	4
General Education-Liberal Arts	PSY 101 Introduction to Psychology	F2F,VC	3
Fourth Semester (Spring):			
Core Curriculum	AGR 214 Soil Science	F2F	4
Core Curriculum	AGR 225 Principles of Agribusiness	F2F	3
Core Curriculum	AGR 230 Feeds and Feeding	F2F	3
Core Curriculum	BUS 143 Principles of Management	ITV	3
Elective		F2F,VC	3-4

Total credits required: 64

Notes: