

Agriculture Production Operations

CERTIFICATE IN AGRICULTURE PRODUCTION OPERATIONS

(39 Credit Hours)

First Semester

AGRI 1131.....	The Agricultural Industry
AGCR 1403.....	Crop Science
HALT 1401.....	Principles of Horticulture
FDST 1313.....	Food Science and Technology I

Second Semester

AGRI 1309.....	Computers in Agriculture
AGAH 1401.....	Animal Science
AGME 1415.....	Farm and Ranch Shop Skills
AGMG 1318.....	Introduction to Agricultural Economics

Third Semester

AGMG 2312.....	Marketing of Agricultural Products
AGAH 1323.....	Wildlife Conservation and Management
AGCR 2405.....	Entomology
AGAH 1311.....	Livestock Evaluation I

AGAH 1401	Animal Science	4.3.3
	An introductory survey of the scientific principles and applied practices related to livestock production. Topics include genetics, animal breeding and selection, anatomy and physiology, nutrition, reproduction, health, and marketing of livestock and livestock products.	
AGMG 2312	Marketing of Agricultural Products	3.3.3
	Study of operations in the movement of agricultural commodities from producer to consumer, including the essential marketing functions of buying, selling, transporting, storing, financing, standardizing, pricing, and risk bearing.	
AGME 1415	Farm and Ranch Shop Skills I	4.2.4
	Study and application of shop skills used in agricultural processes, including arc welding, oxyacetylene cutting and welding, drawing and planning projects, tool maintenance, metal working, woodworking, plumbing, and concrete.	
AGCR 1403	Crop Science	4.3.3
	Fundamentals of the development, production, and management of field crops. Topics include the classification and distribution of field crops, botany, soils, plant breeding, pest management, and harvesting.	
AGAH 1311	Livestock Evaluation I	3.2.3
	Instruction in basic concepts of evaluation and selection of livestock, including	

- selection of livestock based on economic importance.
- FDST 1313 Food Science and Technology I** 3.3.3
Introduction to the food science and technology industry in the free enterprise system. Topics include government relations, policies, economics, consumerism, and world food production. Emphasis on the concepts and skills related to nutrition, safety, sanitation, processing, preparing, packaging, and marketing of foods.
- AGMG 1318 Introduction to Agricultural Economics** 3.3.3
Study of fundamental economic principles and their application to the problems of the industry of agriculture.
- AGAH 1323 Wildlife Conservation Management** 3.2.3
Study of the principles and practices used in the production and improvement of North American wildlife resources.
- HALT 1401 Principles of Horticulture** 4.3.3
An overview of the horticulture industry, plant science, terminology, classification, propagation, environmental responses, and careers and opportunities in the field of horticulture.
- AGCR 2405 Entomology** 4.3.3
Study of the morphology, physiology, and classification of the common insect orders and related arthropods with emphasis on species of economic or biological importance. Emphasis on integrated pest management concepts and proper use of pesticides.