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Agribusiness Science & Technology - Agronomy Technician Program

Course Curriculum

Semester 01 (Tuition: \$2,470)

Course #	Course Title	Credits
10-006-116	Introduction to Soils	3
Credits: 3 Lecture Hours: 36 Lab Hours: 36		
Course is designed to provide the student with fundamental knowledge of soil and soil composition. Students will study soil types, formation factors, physical properties, biological properties and basic soil chemistry. Units covering tillage, conservation, pH and soil management will also be included. Students will gain the skills required to interpret soil survey maps and recognize qualities of various soil types. The student will perform soil sampling, residue measurements, compaction assessments and soil loss determinations per crop rotation guidelines.		
10-006-159	Agribusiness Computer Applications	1
Credits: 1 Lecture Hours: 18		
Students will construct, manipulate, and select spreadsheets and documents for various situations in the agriculture industry and on a farm. Data gathering agriculture software will be introduced to demonstrate its use in making management decisions. The use of email features used in business will be explored. Pre/Co-requisites: Beginning Microsoft Excel (10-103-106)		
10-006-160	Plant Science	3
Credits: 3 Lecture Hours: 36 Lab Hours: 36		
Provides fundamental knowledge of plant components and their functions. Topics include pollinating and propagating plants, germinating seeds, plant nutrients, and factors affecting photosynthesis, respiration, and transpiration. Participants will experience plant components and their functions through the completion of hands-on activities.		
10-006-161	Career Development in Agriculture	1
Credits: 1 Lecture Hours: 18		
Student will develop individual leadership and employment qualities, in addition to exploring the agricultural industry and available careers.		
10-103-106	Beginning Microsoft Excel	1
Credits: 1 Lecture Hours: 18		
This course is an introduction to Microsoft Excel. Students will learn the basic features to produce basic worksheets and charts. Other topic areas covered include formatting, formulas, built-in functions used to design functional worksheets to solve business problems. Basic experience with Windows is assumed.		
10-801-136	English Composition 1	3
Credits: 3 Lecture Hours: 54		
This course is designed for learners to develop knowledge and skills in all aspects of the writing process.		

