

PROGRAM: **Environmental Service Systems - Agricultural Business Management**

PROGRAM CIP CODE: **01.0100.00**

DESCRIPTION: The **Environmental Service Systems - Agricultural Business Management** program is designed to prepare students for employment in the Agriculture, Food and Natural Resources career cluster as defined by the USDE Office of Vocational and Adult Education. Students completing this program will possess the appropriate cluster technical knowledge and skills associated with the production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources. In addition to the required technical skills, students will also develop leadership, advanced employability, critical thinking, applied academic, and life management skills. The program utilizes a delivery system made up of three essential and required components: formal instruction, experiential education through Supervised Agricultural Experiences (SAE), leadership and personal development through the Career and Technical Student Organization, FFA. A model for this delivery system appears in the approved Curriculum Framework booklet.

RECOMMENDED PROGRAM SEQUENCE OF COURSES:

Career Preparation The following describes the recommended Career Preparation courses developed from industry-validated skills for initial employment or continued related education. All the state-designated Agricultural Business Management - Agriscience standards are addressed in this instructional sequence.

01.0100.10 **Agricultural Business Management - Introduction to Applied Biological Systems:** Students must attain these Standards in a coherent sequence of courses 01.0100.10 and 01.0100.12. Biology credit for college entrance and secondary graduation is available if these standards are met and a Program Review has been completed. It is required that these standards are covered in a two-course sequence during the 9th and 10th grades.

-and-

01.0100.12 **Agricultural Business Management - Applied Biological Systems:** Students must attain these Standards in a coherent sequence of courses 01.0100.10 and 01.0100.12. Biology credit for college entrance and secondary graduation is available if these standards are met and a Program Review has been completed. It is required that these standards are covered in a two-course sequence during the 9th and 10th grades.

-and-

01.0100.14 **Agricultural Business Management - Agriscience:** These Standards are designed to deliver the lab science standards associated with the Agriculture, Food and Natural Resources career cluster. Lab science credit for college entrance and secondary graduation is available if these standards are met and a Program Review has been completed. It is recommended that these standards be covered in course sequences during the 10th through 12th grades. This specific course is the 11th grade course.

-and-

01.0100.00 **Environmental Service Systems:** Prepares students for careers in Pollution Prevention, Water & Air Quality, Hazardous Materials, Solid Waste Management, Health & Safety Sanitation, etc.

And program may elect to add:

01.0100.75 **Agricultural Business Management - Agriscience - Internship:** This course provides students an opportunity to apply previously developed knowledge and skill in Agricultural Business Management - Agriscience into a structured work experience within the same field of study. This work experience doesn't necessarily require classroom instruction and may be paid or unpaid. This is part of the student's SAE component.

-or-

01.0100.80 **Agricultural Business Management - Agriscience - Cooperative Education:** This course utilizes a cooperative education methodology to combine school-based and supervised work-based learning experiences directly related to the standards identified for the Agricultural Business Management - Agriscience program.

TEACHER CERTIFICATION REQUIREMENTS FOR THE ENVIRONMENTAL SERVICE SYSTEMS - AGRICULTURAL BUSINESS MANAGEMENT PROGRAM
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CAREER PREPARATION: The instructor must be vocationally certified according to the following table

Environmental Service Systems	CERTIFICATES
	Types: PCTA, SCTA
<p>Note:</p> <ul style="list-style-type: none"> ▪ Agricultural Business Management - Agriscience, 01.0100.70 may be a part of the sequence and the teacher must hold a Cooperative Education Endorsement (CEN). ▪ Teacher/Coordinator 01.0100.75 is not required to have a Cooperative Education Endorsement (CEN). ▪ Teacher/Coordinator 01.0100.80 is required to have a Cooperative Education Endorsement (CEN). 	

CERTIFICATE ABBREVIATIONS FOR THE ENVIRONMENTAL SERVICE SYSTEMS - AGRICULTURAL BUSINESS MANAGEMENT PROGRAM

Certificate Types	
PCTA	Provisional Career and Technical Education Agriculture
SCTA	Standard Career and Technical Education Agriculture