

ENVIRONMENTAL SERVICE SYSTEMS 01.0100.00

Program Description, Coherent Sequence, and Certification Information

*The **Environmental Service Systems** program is being discontinued. No new **Environmental Service Systems** programs may be added for the 2018-2019 school year. The final year a district may offer an **Environmental Service Systems** program will be the 2019-2020 school year. The **Environmental Service Systems** program has been determined to not be eligible for JTED funding. The program will continue to be eligible for CTE Federal Perkins and CTE State Priority funding for the 2018-2019 and 2019-2020 school years.*

PROGRAM DESCRIPTION

Environmental Service Systems

The Agriculture, Food and Natural Resources (AFNR) Career Cluster Content Standards provide Arizona agricultural education leaders and educators with a high-quality, rigorous set of standards to guide what students should know and be able to do after completing a program of study in each of the AFNR career pathways.

The **Environmental Service Systems** (ESS) Career Pathway encompasses the study of systems, instruments and technology used to monitor and minimize the impact of human activity on environmental systems. Students completing a program of study in this pathway will demonstrate competence in the application of principles and techniques for the development, application and management of environmental service systems in AFNR settings. 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 (SAEs), leadership and personal development through the Career and Technical Student Organization FFA.

COHERENT SEQUENCE

01.0100.10 - Environmental Service Systems I **and**

01.0100.12 - Environmental Service Systems II **and**

01.0100.00 - Environmental Service Systems III **and program may elect to add:**

01.0100.05 - Environmental Service Systems IV **or**

01.0100.70 - Environmental Service Systems – DCE (Diversified Cooperative Education) **or**

01.0100.75 - Environmental Service Systems - Internship **or**

01.0100.80 - Environmental Service Systems – Cooperative Education

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TEACHER CERTIFICATION REQUIREMENTS

CAREER PREPARATION: The instructor must be ADE/CTE certified according to the following Certificates PCTA, SCTA, SSCTEA

Note:

- **Environmental Service Systems 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 TYPES

PCTA Provisional Career and Technical Education Agriculture

SCTA Standard Career and Technical Education Agriculture

SSCTEA Standard Specialized Career and Technical Education Agriculture

Additional Endorsment Certifications For Agricultural Teachers Seeking Integrated Academics Credit

NES Biology