

Environmental Management

Associate of Professional Studies (A.P.S.)

Transfer Options

- Columbia Southern
 - BS Environmental Management
- University of Arkansas Fort Smith
 - Bachelor of Applied Science

This two-year program is designed to prepare the graduate for employment at management or supervisory level positions at municipal or industrial wastewater, water or solid waste disposal facilities. The program consists of 27 hours of Focus Area courses and 36 hours of General Education requirements. Students can receive credit for environmental certifications and state licensure and selected work experience in municipal and industry facilities.

Program Goal

Prepare students for entry level employment within the environmental fields of Water Treatment, Wastewater Treatment, Industrial Waste Treatment, Solid Waste Management, and Environmental Management.

Program Learning Outcomes (PLOs)

- PLO 1. Students will demonstrate knowledge of technical, regulatory, operational, and administrative aspects of Environmental Science.
- PLO 2. Students will recognize and analyze common occurrences and problems encountered within the environmental field.
- PLO 3. Students will develop solutions for common occurrences and problems encountered in the environmental field.

General Information

- Developmental coursework may be required in addition to the courses required for this degree and/or certificate(s).
- A [P] indicates that a prerequisite is required before the course can be taken. Refer to the prerequisites table listed below the degree plan or the course description in the College Catalog to determine the prerequisite.



**DEGREE PLAN
2021-2022**

Developmental Coursework

Course Number	Course Title	Required	Enrolled	Completed
ENGL 0121	Composition I Lab	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MATH 0121	College Algebra Lab	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Semester I (16 hours)

Course Number	ACTS#	Course Title	Enrolled	Completed
¹ ENGL 1113	ENGL 1013	Composition I [P1]	<input type="checkbox"/>	<input type="checkbox"/>
^{1,2,3} ES 1013*	N/A	Environmental Safety	<input type="checkbox"/>	<input type="checkbox"/>
¹ MATH 1023	MATH 1103	College Algebra [P1]	<input type="checkbox"/>	<input type="checkbox"/>
¹ MIS 1003	CPSI 1003	Introduction to Computers	<input type="checkbox"/>	<input type="checkbox"/>
¹ SPCH 1113	SPCH 1003	Principles of Speech [C1]	<input type="checkbox"/>	<input type="checkbox"/>
GSTD 1021	N/A	Student Success I	<input type="checkbox"/>	<input type="checkbox"/>

*Courses available online only.

Semester II (17 hours)

Course Number	ACTS#	Course Title	Enrolled	Completed
¹ BA 2023	N/A	Introduction to Management [C1]	<input type="checkbox"/>	<input type="checkbox"/>
¹ ES 2203*	N/A	Solid Waste Management	<input type="checkbox"/>	<input type="checkbox"/>
¹ PHSC 1004	PHSC 1004	Physical Sciences [P2]	<input type="checkbox"/>	<input type="checkbox"/>
GSTD 1031	N/A	Student Success II	<input type="checkbox"/>	<input type="checkbox"/>
Choose three (3) hours from these courses:				
CJ 1003	CRJU 1023	<input type="checkbox"/> Introduction to Criminal Justice <input type="checkbox"/> ECON [P3], GEOG, HIST, PSCI, PSYC, or SOC prefix	<input type="checkbox"/>	<input type="checkbox"/>
¹ Choose three (3) hours from these courses:				
CO 2213 ENGL 1123	ENGL 2023 ENGL1023	<input type="checkbox"/> Technical Writing [P4] <input type="checkbox"/> Composition II [P4]	<input type="checkbox"/>	<input type="checkbox"/>

*Courses available online only.

Semester III (14 hours)

Course Number	ACTS#	Course Title	Enrolled	Completed
BIOL 1004	BIOL 1004	The Biological Sciences [C1]	<input type="checkbox"/>	<input type="checkbox"/>
^{1,3} ES 1003*	N/A	Wastewater I	<input type="checkbox"/>	<input type="checkbox"/>
^{1,2,3} ES 1553*	N/A	Environmental Management I	<input type="checkbox"/>	<input type="checkbox"/>
^{1,2} ES 2103*	N/A	Water Treatment Technology I [P5]	<input type="checkbox"/>	<input type="checkbox"/>
GSTD 1041	N/A	Student Success III	<input type="checkbox"/>	<input type="checkbox"/>

*Courses available online only.

Semester IV (16 hours)

Course Number	ACTS#	Course Title	Enrolled	Completed
³ ES2003*	N/A	Wastewater II [P6]	<input type="checkbox"/>	<input type="checkbox"/>
² ES2113*	N/A	Water Treatment Technology II [P7]	<input type="checkbox"/>	<input type="checkbox"/>
^{2,3} ES2123*	N/A	Environmental Management II [P8]	<input type="checkbox"/>	<input type="checkbox"/>
ES2303*	N/A	Industrial Treatment Technology	<input type="checkbox"/>	<input type="checkbox"/>
PHYS 2014	PHYS 2014	College Physics w/Lab [P9]	<input type="checkbox"/>	<input type="checkbox"/>

*Courses available online only.

Total Credit Hours: 63

¹ Indicates Technical Certificate in **Environmental Management (37 hours)**.

² Indicates Certificate of Proficiency in **Water Treatment (15 hours)**.

³ Indicates Certificate of Proficiency in **Wastewater Management (15 hours)**.

General Requirements

- This degree requires successful completion of 63 credit hours.
- A minimum 2.00 cumulative grade point average is required for graduation.
- Satisfaction of all financial obligations due to the college is required for graduation.

Residency Requirement

The student is required to complete a minimum of 15 semester hours in residence at SAU Tech for associate degrees and technical certificates and half of the credit hours required for certificates of proficiency as well as complete all other graduation requirements. Students who wish to pursue additional degrees must complete a minimum of 15 credit hours of difference between the degrees.

ACTS Course Numbers

The Arkansas Course Transfer System (ACTS) contains information about the transferability of courses within Arkansas public colleges and universities. Students are guaranteed the transfer of applicable credits and equitable treatment in the application of credits for admissions and degree requirements. Go to <http://acts.adhe.edu> for more information.

PREREQUISITES

P1	Refer to the SAU Tech Placement Plan.
P2	ACT Math score of 12 or higher or comparable placement score on other exam OR MATH 1023-College Algebra.
P3	MATH 1023-College Algebra or MATH 1023 and MATH 0121 College Algebra Lab or MATH 1063-Math Reasoning.
P4	ENGL 1113-Composition I
P5	ES 1553-Environmental Management I or permission of instructor.
P6	ES 1003-Wastewater I.
P7	ES 2103-Water Treatment Technology I.
P8	ES 1553-Environmental Management I.
P9	MATH 1023-College Algebra and ENGL 1113-Composition I

CO-REQUISITES

C1	ENGL 1113-Composition I OR ENGL 1113 and ENGL 0121-Composition I Lab.
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