

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
2020-2021

Developmental Coursework

Course Number	Course Title
ENGL0121	Composition I Lab
MATH0121	College Algebra Lab

Semester I (16 hours)

Course Number	ACTS#	Course Title
¹ ENGL1113	ENGL1013	Composition I [P1]
^{1,2,3} ES1013*	N/A	Environmental Safety
¹ MATH1023	MATH1103	College Algebra [P1]
MIS1003	CPSI1003	Introduction to Computers
SPCH1113	SPCH1003	Principles of Speech [P2]
GSTD1021	N/A	Student Success I

*Courses available online only.

Semester II (17 hours)

Course Number	ACTS#	Course Title
¹ BA2023	N/A	Introduction to Management [P2]
¹ ES2203*	N/A	Solid Waste Management
¹ PHSC2023/2021	PHSC1004	Physical Sciences w/Lab [P3]
GSTD1031	N/A	Student Success II
CJ1003	CRJU1023	Introduction to Criminal Justice or ECON(Economics), GEOG, HIST, PSCI, PSYC, or SOC prefix
¹ Choose three (3) hours from the courses below:		
CO2213	ENGL2023	Technical Writing [P4]
ENGL1123	ENGL1023	Composition II [P4]

*Courses available online only.

Semester III (14 hours)

Course Number	ACTS#	Course Title
BSCI1013/BSCI1011	BIOL1004	The Biological Sciences w/Lab [P2]
^{1,3} ES1003*	N/A	Wastewater I
^{1,2,3} ES1553*	N/A	Environmental Management I
^{1,2} ES2103*	N/A	Water Treatment Technology I [P5]
GSTD1041	N/A	Student Success III

*Courses available online only.

Semester IV (16 hours)

Course Number	ACTS#	Course Title
³ ES2003*	N/A	Wastewater II [P6]
² ES2113*	N/A	Water Treatment Technology II [P7]
^{2,3} ES2123*	N/A	Environmental Management II [P8]
ES2303*	N/A	Industrial Treatment Technology
PHYS2003/2001	N/A	College Physics w/Lab [P9]

*Courses available online only.

Total Credit Hours: 63

¹Indicates Technical Certificate in Environmental Management (31 hours)

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

³Indicates 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	Eligible for ENGL1113-Composition I.
P3	ACT Math score of 12 or higher or comparable placement score on other exam OR College Algebra.
P4	ENGL1113-Composition I
P5	ES1553-Environmental Management I or permission of instructor.
P6	ES1003-Wastewater I.
P7	ES2103-Water Treatment Technology I.
P8	ES1553-Environmental Management I.
P9	MATH1023-College Algebra AND Eligible for ENGL1113-Composition I