

ENVIRONMENTAL SCIENCE TECHNOLOGY

¹ Satisfies General Education requirement for A.S degrees

This program includes specialized environmental science courses in addition to general education coursework to provide individuals the background necessary for understanding the ecological relationships of the environment. Coursework also emphasizes the application of scientific principles to pollution control problems in accordance with state and federal regulations. Practical lab and field experience in sampling and analysis will be stressed. Emphasis is placed on developing the students' ability to function effectively in a variety of job situations. Graduates of this program will be prepared to sample and analyze air, water and soil in accordance with state and federal regulations. Environmental technicians may be responsible for such job duties as air pollution surveillance, analysis of water and wastewater samples, ground water and surface water assessment, field sampling, data interpretation, and other support services to engineering and science professionals. Graduates in this field may be employed as technicians by federal, state and local governmental units as well as utilities, private industry, and environmental engineering consulting firms.

Degrees

- Environmental Science Technology - AAS (<https://catalog.kctcs.edu/programs-of-study/aas/environmental-science-technology/environmental-science-technology-aas/>)

Technical Electives

Course	Title	Credits
BIO 150	Principles of Biology I	3
BIO 151	Principles of Biology Laboratory I	2
BTN 101	Introduction to Biotechnology	1
BTN 201	Biotechnology Techniques I	4
BTN 202	Biotechnology Techniques II	4
CHE 180	General College Chemistry II ¹	4
CHE 185	General College Chemistry Laboratory II ¹	1
CHE 270	Organic Chemistry I ¹	3
CHE 275	Organic Chemistry Laboratory I ¹	2
COE 199	Cooperative Education: (Topic) (Internship)	1-3
ECO 201	Principles of Microeconomics ¹	3
ENG 203	Business Writing	3
ENG 204	Technical Writing	3
EST 299	Selected Topics in Environmental Science Technology	1-3
GLY 101	Physical Geology ¹	3
GLY 111	Physical Geology Laboratory ¹	1
MAT 154	Trigonometry	2
MAT 170	Brief Calculus with Applications	3
MAT 175	Calculus I	5
PHY 151	Introductory Physics I ¹	3
STA 220	Statistics	3

Courses not on this list may be approved at the program coordinator's discretion.