

Fort Scott Community College

Graduation Requirements

Environmental Technologies

Associates of Applied Science

FSCC is one of the few institutions (the only in Kansas) where students may earn a degree to become employed in a variety of environmental water technology fields. Partnerships with the EPA, USDA, and the KDHE have enabled this department to meet the environmental challenges of the future.

The Environmental Technology department at Fort Scott Community College provides education to professionals in the water and wastewater industry. In addition to college credit hours FSCC ET teaches Continuing Education Units, CEU's, for the Kansas Department of Health and Education's Certified Water and Wastewater Operators.

Education is now available to enable students to gain employment in environmental professions.

Students can choose from six different areas of concentration to develop a degree or certificate that will meet their career goals. The program is offered both on- and off-campus to assist in promoting professionalism.

Students seeking the Associates of Applied Science in Environment Technologies will complete three of the areas of concentration and 21 hours of general education.

Areas of Concentration:

I. Water Plant Operation

EWT 1013 Operation & Maint. of Water Treatment Plants	3
EWT 1022 Hydraulics Water Plant Operators.....	2
EWT 1032 Lab. Methods for Water Treatment Plant Operators	2
EWT 1046 Occupational Exp. for Water Plant Operators	6

II. Utilities Management

EWT 1053 Utility Organization and Administration	3
EWT 1062 Principles of Utility Financing	2
EWT 1072 Utility Management - Skill Development	2
EWT 1086 Occupational Experience - Utility Management	6

III. Water Distribution System Operation & Maintenance

EWT 1113 Operation & Maint. of Water Distribution Systems	3
EWT 1122 Hydraulics of Water Dist. Systems	2
EWT 1132 Distribution Hydraulic Pumping Systems	2
EWT 1446 Occ. Exp. for Water Distribution System Oper.....	6

IV. Wastewater Collection System Operation & Maintenance

EWT 1413 Oper. & Maint. of Wastewater Collection Systems.....	3
EWT 1422 Hydraulics of Wastewater Collection Systems.....	2
EWT 1432 Collection System Administration.....	2
EWT 1446 Occ. Exp. for Wastewater Coll. Sys. Operators	6

V. Wastewater Plant Operation

EWT 2013 Oper. & Maint. of Wastewater Treatment Plants.....	3
EWT 2022 Physics for Wastewater Treat. Plant Oper.	2
EWT 2032 Lab. Methods for Wastewater Plant Operators	2
EWT 2046 Occup. Experience for Wastewater Plant Oper.....	6

VI. Utilities Maintenance

EWT 2053 Pumps and Pumping Systems.....	3
EWT 2062 General Maintenance Procedures	2
EWT 2072 General Maintenance Theory	2
EWT 2086 Occupational Experience for Maint. Personnel.....	6

Note: Students that complete two areas of concentration will receive the Certificate of Environmental Technologies. This will be noted on their transcripts.

Suggested Curriculum:

FIRST SEMESTER
ENG 1013 English 1013
Int. Algebra or Bus. Math3
EWT Area of Concentration 11
Total Hours..... 17
SECOND SEMESTER
ENG 1023 English 1023
EWT Area of Concentration 11
Social/Behavioral Science Elective.3
Total Hours..... 17

THIRD SEMESTER
EWT Area of Concentration 11
SPE 1093 Public Speaking.... 3
Humanities..... 3
Total Hours 17
FOURTH SEMESTER
Biology or Physical Science5
Elective3
Elective3
Total Hours 11