

2007-08 Catalog: Programs of Study

Environmental Science (OSHA)

The Environmental Science program is designed to provide and to enrich the student's basic skills, knowledge and abilities in the fields of environmental compliance and technology, and to enable the students to gain entry-level employment in the field. This program focuses on federal regulations for environmental protection, worker health and safety, homeland defense, and the transportation of hazardous materials. Credit can be obtained through completion of the required degree courses and/or evaluation of government/military/industry training. This program will instruct students in the analysis, handling, storage, transportation, and dispensing of hazardous materials in accordance with appropriate federal, state, and local laws and regulations governing proper chemical management. The program will cover industry standards such as those included in the Occupational Safety and Health Administration (OSHA) 29CFR1910.120 Hazardous Waste Operations and Emergency Response (HAZWOPER) Standard, the Oil Pollution Act of 1990, the Clean Air Act, the Clean Water Act, and the Department of Transportation (DOT) regulations. Graduates of this program should be able to research applicable local, state, and federal regulations and implement methods and strategies to ensure compliance; to maintain records as required by OSHA, the Environmental Protection Agency (EPA) and the DOT; to develop and implement hazardous materials handling procedures; to plan for emergency response to hazardous material incidents; and to protect employees/workers/communities from hazardous material exposures.

There are three options within this program:

- **Environmental Science (OSHA)** A.S. Degree
 - **Hazardous Materials Specialist** Technical Certificate
 - **Assessment and Safety Compliance Specialist** Technical Certificate

Students can customize the A.S. degree program by choosing electives that coincide with a concentration in a specialty field.

Environmental Science (2166)

Associate in Science

Environmental Science is about protecting the natural elements that sustain life. Technology and science can advance our society, but if mishandled, they can do irreparable harm, especially in Jacksonville. Our combination of industry, international shipping, logistics and location on the St. Johns River location puts us at high risk.

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Internships

Details on opportunities for internships and jobs can be found at FCCJ's **Institute of Occupational Safety and Health** web page.

Annual Salaries

Environmental specialists with a bachelor degree earn an average of \$46,550 in Florida depending on areas of specialization, experience level, and place of employment.

Articulation

For students who wish to pursue a bachelor's degree in Environmental Science, this associate in science degree will provide a strong lower division background for transfer to a four-year school.

Cost

Estimated cost of tuition is \$4,250 (tuition rated for Florida residents, as of 7/07). Contact the program

manager for additional costs (textbooks, materials, fees).

Need More Information? Contact:

Marcia Gross, Open Campus, 904.632.5057
Or e-mail the **Institute of Occupational Safety and Health**

Other Links of Interest

**Institute of Occupational Safety and Health
Military Education Institute (MEI) at Florida Community College**

Curriculum

Course Number and Title	Credits
General Education	
ENC 1101 English Composition I	3
ENC 1102 Writing About Non-Fiction	3
MAC 1105 College Algebra (or equivalent)	3
SYG 2000 Introductory Sociology	3
HUM 2210 Humanities: The Foundations	3
Credit Hours	15

Required Professional Courses

MAC 1114 College Trigonometry	3
CHM 1025C Introduction to General Chemistry	4
EVR 1030 Environmental Compliance	3
EVR 1190 Environmental Sampling Procedures	3
EVR 1640 Hazardous Materials Regulations I	3
BCN 2732 OSHA Safety	3
BSC 2010C Principles of Biology I	4
BSC 2011C Principles of Biology II	4
CHM 2045C General Chemistry and Qualitative Analysis I	4
MAC 1140 Precalculus Algebra	4
PHY 2053C General Physics I	4
EVR 1633 Hazardous Materials Emergency Response I	4
Credit Hours	43

Professional Electives (minimum 6 credit hours)

*Military Service Credits (ACE Guide) **or** any combination of such credit and the following courses:

CHM 2046C General Chemistry and Qualitative Analysis II	4
ENC 2210 Technical Report Writing	3
EVR 1015 Hazardous Material and the Environment	3
EVR 1635 Hazardous Communication Standard	3
EVR 2630 Hazardous Materials Risk Analysis	3
EVR 2890 Instrumentation Monitoring System and Analysis	3
MAC 2311 Calculus with Analytic Geometry I	4
PHY 2054C General Physics II	4

EVR 1985	Environmental Pollutants	3
EVR 2613	Hazardous Materials Emergency Response II	3
EVR 2840	Hazardous Materials Emergency Response III	3
	Credit Hours	6
	Total Credit Hours	64

*Military Service Credits (ACE Guide) **or** any combination of such credit and the following courses. Credits awarded by evaluation of appropriate military paperwork (DD214, DD295, DD2586, SMART document, AARTS document, and/or Community College of the Air Force transcript), using ACE Guide recommendations.

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To request information, contact the Learner Support Center at info@fccj.edu or 904.646.2300.

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