

## ENVIRONMENTAL TECHNOLOGY

Associate in Applied Science Degree | Career Program | Department of Chemistry and Chemical Technology

This competency-based curriculum provides state-of-the-art training for careers in environmental technology. Environmental Technology utilizes the principles of science, engineering, communications and economics to protect and enhance safety, health and natural resources.

All credits from this program may be transferred to Medgar Evers College for a bachelor's degree in Environmental Health. Students interested in transferring to the Environmental Engineering program at City College should see Dr. Neal Phillip. The program articulates with SUNY Empire State. See the Transfer Planning website for more details.

Curriculum Coordinator: Dr. Sunil Bhaskaran

### ENVIRONMENTAL TECHNOLOGY CURRICULUM (PATHWAYS)

60 Credits required for AAS Degree

#### Required Core

##### A. English Composition

- ENG 110 Fundamentals of Composition and Rhetoric  
OR ENG 111 Composition and Rhetoric I (3 Credits)

##### B. Mathematical and Quantitative Reasoning

- MTH 23<sup>1</sup> Probability and Statistics (3 Credits)

##### C. Life and Physical Sciences

- CHM 17<sup>2</sup> Fundamentals of General Chemistry (4 Credits)

#### Flexible Core

##### A. World Cultures and Global Issues

- HIS 10 History of the Modern World OR  
HIS 11 Introduction to the Modern World (3 Credits)

##### D. Individual and Society

- COMM 11 Fundamentals of Interpersonal Communication (3 Credits)

##### E. Scientific World

- CHM 18<sup>2</sup> Fundamentals of General Chemistry II (4 Credits)

#### Additional Flexible Core Requirement - Area E.

- BIO 11 General Biology I (4 Credits)

**SUBTOTAL 24**

#### Major Requirements

- BIO 12 General Biology II (4 Credits)
- DAT 33<sup>3</sup> Microcomputer Applications (2 Credits)
- ENG 223<sup>4</sup> Scientific and Technical Writing (3 Credits)
- ENV 11 Introduction to Environmental Health (4 Credits)
- ENV 12 Environmental and Occupational Regulations (4 Credits)
- ENV 23 Environmental Toxicology (3 Credits)
- ENV 31 Water Chemistry and Pollution (4 Credits)
- ENV 32 Atmospheric Chemistry and Pollution (4 Credits)
- MTH 13<sup>1</sup> Trigonometry and College Algebra (3 Credits)
- PHY 11 College Physics I (4 Credits)
- Restricted Elective<sup>5</sup> (1 Credit)

**SUBTOTAL 36**

<sup>1</sup> Students intending to transfer to four-year programs in Environmental Science and Environmental Engineering should take MTH 30 and MTH 31 in lieu of MTH 13 and MTH 23.

<sup>2</sup> Students intending to transfer to four-year programs in Environmental Science and Environmental Engineering should take CHM 11 and CHM 12 in lieu of CHM 17 and CHM 18.

<sup>3</sup> Students can substitute CHM 38 for DAT 33.

<sup>4</sup> Students can substitute ENG 112 for ENG 223.

<sup>5</sup> Students can take ART 10 or MUS 10, or WFA 10 or any PEA one credit course. Students who intend to transfer should choose ART 10 or MUS 10 or any PEA one credit course.