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 The City College should see Dr. Neal Phillip. The program articulates with SUNY Empire State. See the Transfer Planning web site for more details.

Curriculum Coordinator: Dr. Vicki Flaris

Environmental Technology Curriculum (Pathways)
60 Credits required for A.A.S. Degree

Required Core
A. English Composition
   • ENG 10 Fundamentals of Composition and Rhetoric OR ENG 11 Composition and Rhetoric I (3 Credits)
B. Mathematical and Quantitative Reasoning
   • MTH 23 Probability and Statistics (3 Credits)
C. Life and Physical Sciences
   • CHM 17 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 Fundamentals of General Chemistry II (4 Credits)

Additional Flexible Core Requirement – Area E.
   • BIO 11 General Biology I (4 Credits)

SUBTOTAL 24

Required Areas of Study
• BIO 12 General Biology II (4 Credits)
• DAT 33 Microcomputer Applications (2 Credits)
• ENG 223 Scientific and Technical Writing (3 Credits)
• MTH 13 Trigonometry and College Algebra (3 Credits)
• PHY 11 College Physics I (4 Credits)
• RESTRICTED ELECTIVE (1 Credit)

SUBTOTAL 17

Specialization Requirements
• 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)

SUBTOTAL 19

1 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.
2 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.
3 Students can substitute CHM 38 for DAT 33.
4 Students can substitute ENG 12 for ENG 223.
5 Students can take ART 10 or MUS 10, or WFA 10 or any PEA one credit course. Students who intend to transfer should choose
ENVIRONMENTAL TECHNOLOGY
(PRE-PATHWAYS)
Associate in Applied Sciences Degree | Career Program
Department of Chemistry and Chemical Technology

If you began studying at BCC in or after Fall 2013, Pathways applies. Pathways also applies to students who have returned to CUNY after an absence of more than one semester. If you are a continuing student who entered before Fall 2013, you will be able to choose whether you remain with your existing requirements or change to Pathways. You should consult with an academic advisor.

Curriculum Coordinator: Dr. Vicki Flaris

Environmental Technology Curriculum
60 Credits required for A.A.S. Degree

Core Requirements
• Restricted Elective* (1 Credit)
• CHM 17 Fundamentals of General Chemistry I ** (4 Credits)
• CMS 11 Fundamentals of Interpersonal Communication (3 Credits)
• ENG 10 Fundamentals of Composition and Rhetoric OR ENG 11 Composition and Rhetoric I (3 Credits)
• ENG 23 Scientific and Technical Writing*** (3 Credits)
• HIS 10 History of the Modern World OR HIS 11 Introduction to the Modern World (3 Credits)
• OCD 01 Orientation and Career Development (0 Credit)
TOTAL 17

Required Areas of Study
• BIO 11 General Biology I (4 Credits)
• BIO 12 General Biology II (4 Credits)
• CHM 18 Fundamentals of General Chemistry II ** (4 Credits)
• DAT 33 Microcomputer Applications + (2 Credits)
• MTH 13 Trigonometry and College Algebra** (3 Credits)
• MTH 23 Probability and Statistics** (3 Credits)
• PHY 11 College Physics I (4 Credits)
TOTAL 24

Specialization Requirements
• 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)
TOTAL 19

NOTE: Students must achieve a grade point average of 2.5 or better in the first four courses before they are considered for admission to the program. Students intending to transfer to a four-year program in environmental science must maintain a minimum index of 2.0; take CHM 11 and CHM 22 in lieu of CHM 17 and CHM 18; and MTH 30 and MTH 31 in lieu of MTH 13 and MTH 23.

NOTE: At least two courses must be taken from a list designated as “Writing Intensive” as published each semester in the Registration Guide and Schedule of Classes.

* 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