



**NEW YORK CITY COLLEGE OF TECHNOLOGY**  
**The City University of New York**

**Environmental Control Technology Department**  
**186 JAY STREET, BROOKLYN, N.Y. 11201**  
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**Memorandum of Understanding**  
**Advanced Standing / Transfer Credit Agreement**  
**2019**

**New York City College of Technology, CUNY**  
**Department of Environmental Control Technology**  
**and**  
**International Union of Operating Engineers, Local 94**

**Overview**

The CUNY School of Labor and Urban Studies (SLU) identifies opportunities for union workers to continue their professional development in the City University of New York. Through their initiative, a relationship has been established between the Environmental Control Technology Department of New York City College of Technology and Local 94 of the International Union of Operating Engineers (IUOE) that will enable union members who have successfully completed Local 94 training to receive advanced standing college credit towards the completion of the requirements for the Bachelor of Technology (B Tech) degree in Facilities Management. As a result, the facilities management industry will benefit from having managers with a baccalaureate level technical education that augments their operational experience; the participants will benefit from having additional career opportunities; and the college will benefit from having experienced and motivated students. The SLU will assist as liaison between the programs, and will assist prospective students with the College's admission process.

**Agreement**

Certified Certificates of Completion, indicating successful completion of all required examinations and course requirements for the three <sup>195</sup> IUOE Local 94 programs listed below, must be presented upon admission to the program, whereupon 19 credits will be awarded and applied toward the Bachelor of Technology degree in Facilities Management and its included Associate in Science (AAS) degree in Environmental Control Technology.

1. The Education Center's training Program (comprised of the following units)
  - Unit 1 Introduction to Commercial Office Buildings
  - Unit 2 Introduction to Heating Systems and Pumps
  - Unit 3 Basic Refrigeration
  - Unit 3B Chiller Systems
  - Unit 4 Electricity for Building Equipment Operations
  - Unit 5 Controls and Control Strategies
2. Unit EC Energy Conservation
3. Unit IAQ Indoor Air Quality

Transfer credit will be awarded for the following courses:

ENVC 1111	Air Conditioning Systems Laboratory I	1 credit
ENVC 1211	Heating Systems Laboratory	1 credit
ENVC 2311	Refrigeration Laboratory I	1 credit
ENVC 2312	Principles of Refrigeration	3 credits
ENVC 2411	Refrigeration Laboratory II	1 credit
ENVC 2420	Controls and Control Systems	3 credits
ENVC 2442	Principles of Environmental Protection	3 credits
ENVC 2452	Principles of Facility Energy Management	3 credits (see note)*
ENVC 2900	Internship	3 credits
<b>Total</b>		<b>19 credits</b>

**\*Note**

In the department's statement of requirements, Principles of Environmental Protection, Principles of Facilities Energy Management and the Internship all fall within the same "ENVC" elective option. A course substitution will be issued to allow one of these courses to replace two other 3 credit Environmental Control courses to be selected with the approval of the department chair.

Effective: Fall 2019



**Russell Hotzler, Ph.D., President**  
New York City College of Technology

5/28/2019

Date



**Robert Polchinski, Chair, Dept. of Environmental Control Technology**  
New York City College of Technology

5/16/19

Date



**Kuba Brown, President**  
International Union of Operating Engineers, Local 94

June 12, 19

Date



**Howard Styles, Director of Education**  
International Union of Operation Engineers, Local 94

6/12/19

Date