



New York City College of Technology

The City University of New York
Department of Environmental Control Technology
300 Jay Street, Brooklyn, NY 11201
718-260-5160

Memorandum of Understanding Advanced Standing / Transfer Credit Agreement 2023

New York City College of Technology, CUNY Department of Environmental Control Technology and Service Employees International Union, Local 32 BJ

Overview:

The Environmental Control Technology Department of New York City College of Technology will collaborate with the 32BJ Thomas Shortman Training, Scholarship and Safety Fund that will enable union members who have successfully completed the Local 32 BJ Benefits Fund Training program Building Engineer Track to receive advanced standing college credits towards the completion of the requirements for the Bachelor of Technology 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.

Agreement:

Certified Certificates of Completion, indicating successful completion of all required examinations and course requirements for the Local 32 BJ Building Engineer track listed below, must be presented upon admission to the program, whereupon up to 27 credits, depending on the units completed, will be awarded and applied toward the Bachelor of Technology degree in Facilities Management and its included Associate's Degree in Environmental Control Technology as indicated in Table 1 below.

The 32BJ Thomas Shortman Training, Scholarship and Safety Fund Program (comprised of the following units):

- Unit 1 Air Conditioning & Refrigeration I
- Unit 2 Air Conditioning & Refrigeration II
- Unit 3 Air Conditioning & Refrigeration III
- Unit 4 Air Conditioning & Refrigeration: Absorption Systems
- Unit 5 Air Pollution Control
- Unit 6 Building Automation Systems I: HVAC Concepts
- Unit 7 Building Automation Systems II: Core Concepts
- Unit 8 Building Automation Systems III: Advanced
- Unit 9 Computer: Basics / New Users
- Unit 10 Electricity Basics
- Unit 11 FDNY: Refrigeration Operating Engineer I (Q-01)
- Unit 12 FDNY: Refrigeration Operating Engineer II (Q-01)
- Unit 13 FDNY: Refrigeration Operating Engineer III (Q-01)
- Unit 14 Human Relations
- Unit 15 OSHA 30-Hour General Industry
- Unit 16 Plumbing Basics
- Unit 17 FDNY: Passing the Q-01 / Q-99 Practical Exam or Completing the Heat Pump course
- Unit 18 Complete two Elective Quick Courses

Transfer credit will be awarded for the following courses in The B. Tech Facilities Management program:

Table 1

32 B/J Shortman Training Course Completed	NYCCT Course to be Awarded	Credits
Unit 1 Air Conditioning and Refrigeration I	ENVC 1111 Air Cond. Systems Lab I	1
Unit 2 Air Conditioning and Refrigeration II	ENVC 1211 Heating Lab	1
Unit 3 Air Conditioning and Refrigeration III	ENVC 2411 Refrigeration Lab II	1
Unit 5 Air Pollution Control	ENVC 1210 Combustion	3
Unit 4 Air Conditioning Absorption Systems plus Unit 6 Building Aut. Systems: HVAC Concepts	FMGT 4750 Mechanical Systems Oper & Maint. I	3
Unit 7 Building Aut. Systems: Core Concepts Unit 8 Building Aut. Systems: Advanced	ENVC 2452 Principles of Fac. Energy Mgt *	3
Unit 9 Computer Basics plus Unit 18 Two elective short courses	ENVC 1120 HVAC Graphics	2
Unit 10 Electricity Basics plus Unit 16 Plumbing Basics	ENVC 1250 Fire Protection, Plumbing and Electrical Systems	3
Unit 11 FDNY: Refrig. Sys. Oper Engr. 1 and Unit 12 FDNY: Refrig. Sys. Oper Engr. 2 and Unit 13 FDNY: Refrig. Sys. Oper Engr. 3	ENVC 2311 Refrigeration Lab ENVC 2312 Principles of Refrigeration	1 3
Unit 14 Human Relations	FMGT 4740 Personnel Relations	3
Unit 15 OSHA 30 Hour course plus Unit 17 Pass the FDNY Q01 Exam or Heat Pump	ENVC 2900 Internship *	3

Total

27 credits

*
In the department's statement of requirements, Principle of Facility Energy Management and Internship both fall under the category of Environmental Control Elective. A Course Substitution will be issued to allow one of these courses to be applied toward another three credit Environmental Control course selected with the approval of the Department Chair.

Pamela Brown

Pamela Brown, Provost and VP for Academic Affairs

Date: 2/27/24

New York City College of Technology

Robert Polchinski

Robert Polchinski, Chair, Dept of Environmental Control Technology

Date: 02/26/2024

New York City College of Technology

Linda Nelson

Linda Nelson, Director, 32BJ Training Fund

Date: 2/23/2024

Local 32 BJ (SEIU) Benefits Fund