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 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:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENVC 1111</td>
<td>Air Conditioning Systems Laboratory I</td>
<td>1</td>
</tr>
<tr>
<td>ENVC 1211</td>
<td>Heating Systems Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>ENVC 2311</td>
<td>Refrigeration Laboratory I</td>
<td>1</td>
</tr>
<tr>
<td>ENVC 2312</td>
<td>Principles of Refrigeration</td>
<td>3</td>
</tr>
<tr>
<td>ENVC 2411</td>
<td>Refrigeration Laboratory II</td>
<td>1</td>
</tr>
<tr>
<td>ENVC 2420</td>
<td>Controls and Control Systems</td>
<td>3</td>
</tr>
<tr>
<td>ENVC 2442</td>
<td>Principles of Environmental Protection</td>
<td>3</td>
</tr>
<tr>
<td>ENVC 2452</td>
<td>Principles of Facility Energy Management</td>
<td>3</td>
</tr>
<tr>
<td>ENVC 2900</td>
<td>Internship</td>
<td>3</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>19</td>
</tr>
</tbody>
</table>

*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

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

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

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