

**Articulation Agreement**

**Between**

**NJ's 19 Community Colleges**

**And**

**The Joint Apprenticeship and Training Funds of Sheet Metal Locals 19, 22, 25, & 27**

**&**

**The International Training Institute for the Sheet Metal and Air Conditioning Industry**

This articulation agreement specifies the requirements and conditions for qualified students to complete the Technical Studies Associate in Applied Science degree at NJ County Colleges.

Upon official presentation of a completion certificate from the Federal Office of Apprenticeship or the International Training Institute for the Sheet Metal and Air Conditioning Industry Apprenticeship, students will be automatically accepted into the NJ County Colleges' Technical Studies Associate in Applied Science Program.

Attached to this agreement is the Transfer Course Agreement. The Transfer Course Agreement lists the manner in which the apprenticeship program translates into NJ County College equivalent coursework or Technical Studies credits. It should be noted that qualified students in any International Training Institute for the Sheet Metal and Air Conditioning Industry Apprenticeship in New Jersey can complete the degree requirements at any county college in New Jersey thus waiving the residency requirements of each college. NJ State requires that all students pursuing an Associate of Applied Science degree complete a minimum of 21 general education credits. Additional credits from apprenticeship training may be credited towards either the career electives or general education portion of the AAS degree. This credit application will be determined in accordance with the apprenticeship training completed and the degree program pursued. Further, excess credits not applied from the ACE evaluation may be applied to a Bachelors Degree program at a participating baccalaureate institution.

These documents will be revisited annually to reflect curriculum changes by NJ County Colleges and/or curriculum changes of the International Training Institute for the Sheet Metal and Air Conditioning Industry Apprenticeship.

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For NJ's 19 Community Colleges

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Joseph Sellers, Jr.  
President of the New Jersey Council of  
Sheet Metal Workers' and Representative  
for the International Training Institute for the  
Sheet Metal and Air Conditioning Industry

Date: \_\_\_\_\_

Date: \_\_\_\_\_

## Transfer Course Agreement

### NJ County Colleges

#### Associate of Applied Science in Technical Studies

#### Courses/Credits for The Joint Apprenticeship and Training Funds of Sheet Metal Locals 19, 22, 25 and 27 And The International Training Institute for the Sheet Metal and Air Conditioning Industry

<b>General Education</b>	<b>20-24 credits</b>
<b>(Credits must be earned at county colleges or transferred as course equivalents)<sup>A-</sup></b>	
Communications (Written or Oral)	6
Mathematics – Science- Technology	3
Social Sciences or Humanities	3
Additional general education courses assigned by school	8-12

<sup>A-</sup> Note: Each County College has its own graduation requirements for AAS degrees which must be met by the student in order to graduate.

<b>Technical Core</b>	<b>25 credits minimum</b>
<b>(Credits assigned in recognition of apprenticeship experience—exact components may differ from college to college)</b>	

Technical Core can be transcribed as 25 block transfer credits or as specific course or transfer equivalencies based on ACE review, as determined by each community college (see example).

#### Example Course by Course Listing

TC: Applied Mathematics	2
TC: Human Relations	2
TC: Basic Electricity	1
TC: Blue Print Reading and Building Codes	6
TC: HVAC Installation Techniques	4
TC: HVAC Fundamentals	4
TC: Heat Loads and Psychrometrics	4
TC: HVAC Tools and Equipment	2

<b>Career Electives</b>	<b>11-15 credits</b>
<b>(Credits must be earned at county colleges or transferred as course equivalents)</b>	

- Course offerings may vary based on curriculum offered at specific NJ County Colleges.

Additional articulated credits the apprentice may earn through completion of the apprenticeship program will vary depending on the apprenticeship program completed by the apprentice and the associate degree the apprentice pursues.

**60 – 64 credits**

## **NJ County Colleges**

### **Associate of Applied Science in Technical Studies – Business Management Option Courses/Credits for The Joint Apprenticeship and Training Funds of Sheet Metal Locals 19, 22, 25 and 27 And The International Training Institute for the Sheet Metal and Air Conditioning Industry**

<b>General Education</b>	<b>20-24 credits</b>
<b>(Credits must be earned at county colleges or transferred as course equivalents)<sup>A-</sup></b>	
Communications (Written or Oral)	6
Mathematics – Science- Technology	3
Social Sciences or Humanities	3
Additional general education courses assigned by school	8-12

<sup>A-</sup> Note: Each County College has its own graduation requirements for AAS degrees which must be met by the student in order to graduate.

<b>Technical Core</b>	<b>25 credits minimum</b>
<b>(Credits assigned in recognition of apprenticeship experience—exact components may differ from college to college)</b>	

Technical Core can be transcribed as 25 block transfer credits or as specific course or transfer equivalencies based on ACE review, as determined by each community college (see example).

#### Example Course by Course Listing

TC: Applied Mathematics	2
TC: Human Relations	2
TC: Basic Electricity	1
TC: Blue Print Reading and Building Codes	6
TC: HVAC Installation Techniques	4
TC: HVAC Fundamentals	4
TC: Heat Loads and Psychrometrics	4
TC: HVAC Tools and Equipment	2

<b>Career Electives</b>	<b>11-15 credits</b>
<b>(Credits must be earned at county colleges or transferred as course equivalents)</b>	

Concentration in Business Management	
- Introduction to Business	3
- Introduction to Management	3
- Additional course offerings in Business Management	5-9

- Course offerings may vary based on curriculum offered at specific NJ County Colleges.

\* Additional articulated credits the apprentice may earn through completion of the apprenticeship program will vary depending on the apprenticeship program completed by the apprentice and the associate degree the apprentice pursues.

**60 – 64 credits**

## NJ County Colleges

### Associate of Applied Science in Technical Studies – Construction Management Option Courses/Credits for The Joint Apprenticeship and Training Funds of Sheet Metal Locals 19, 22, 25 and 27 And The International Training Institute for the Sheet Metal and Air Conditioning Industry

<b>General Education</b>	<b>20-24 credits</b>
<b>(Credits must be earned at county colleges or transferred as course equivalents)<sup>A*</sup></b>	
Communications (Written or Oral)	6
Mathematics – Science- Technology	3
Social Sciences or Humanities	3
Additional general education courses assigned by school	8-12

<sup>A\*</sup> Note: Each County College has its own graduation requirements for AAS degrees which must be met by the student in order to graduate.

<b>Technical Core</b>	<b>25 credits minimum</b>
<b>(Credits assigned in recognition of apprenticeship experience—exact components may differ from college to college)</b>	

Technical Core can be transcribed as 25 block transfer credits or as specific course or transfer equivalencies based on ACE review, as determined by each community college (see example).

#### Example Course by Course Listing

TC: Applied Mathematics	2
TC: Human Relations	2
TC: Basic Electricity	1
TC: Blue Print Reading and Building Codes	6
TC: HVAC Installation Techniques	4
TC: HVAC Fundamentals	4
TC: Heat Loads and Psychrometrics	4
TC: HVAC Tools and Equipment	2

<b>Career Electives</b>	<b>11-15 credits</b>
<b>(Credits must be earned at county colleges or transferred as course equivalents)</b>	

Concentration in Construction Management:	
- Construction Management I	3
- Construction Management II	3
- Additional course offerings in Business Management/Construction Management	5-9

- Course offerings may vary based on curriculum offered at specific NJ County Colleges.

\* Additional articulated credits the apprentice may earn through completion of the apprenticeship program will vary depending on the apprenticeship program completed by the apprentice and the associate degree the apprentice pursues.

**60 – 64 credits**