



ARTICULATION AGREEMENT

between

Raritan Valley Community College
Environmental Control Technology Major

and

Pennsylvania College of Technology
HVAC Design Technology Major

I. PURPOSE

This agreement establishes a mechanism for graduates of the Environmental Control Technology major at Raritan Valley Community College to transfer specific earned credits into the Bachelor of Science in HVAC Design Technology at Pennsylvania College of Technology.

II. GOALS

- A. To provide a well-defined mechanism for graduates of the Environmental Control Technology major at Raritan Valley Community College to begin the B.S. in HVAC Design Technology at the appropriate entry point.
- B. To recruit associate-degree graduates whose career goals include acquisition of a baccalaureate degree.

III. TRANSFER/ENROLLMENT REQUIREMENTS

Pennsylvania College of Technology will accept Raritan Valley Community College graduates into the HVAC Design Technology major if they meet the following requirements and adhere to the Admission Procedures (Part V).

- A. Raritan Valley Community College applicants must have a final cumulative GPA of 2.0 or higher.
- B. Raritan Valley Community College applicants must have completed the courses to be transferred (see Part IV) with grades of C or higher.

C. Of the final 60 credits required by the bachelor-degree curriculum, 36 must be completed at Penn College.

IV. ARTICULATED COURSES

For those who meet the Transfer Requirements (Part III), the following course equivalencies apply:

General Education Courses

Raritan Valley Community College		Penn College	
Course # and Title	Credits	Course # and Title	Credits
CISY 102: Computer Literacy	3	CSC 124: Information Technology and Society	3
ENGL 111: English I	3	ENL 111: English Composition I	3
ENGL 112: English II or COMM 110: Interpersonal Communication	3	ENL 201: Technical/Prof. Comm. or SPC 101: Interpersonal Communication	3
*Mathematics (MATH 112: Pre-Calculus I)	3	MTH 180: College Algebra/Trig I	3
ENVI 101: Intro. To Environmental Studies or PHYS 112: Concepts of Physics	3	SCI 100: Environmental Science (To satisfy a 3 credit Science Elective) or PHS 103: Physics Survey	3
Social Science Elective	3	Social Science Elective	3
Humanities Elective	3	Humanities Elective	3
Total Credits:	21/22	Total Credits:	21

Students who use Environmental Science to satisfy a 3 credit Science Elective must complete a 4 credit Physics course (PHS 114 or PHS 115) to satisfy the 7 credits worth of Science course work required for a bachelor degree.

It is recommended that students complete MATH 112 (Pre-Calculus I) at Raritan Valley Community College, and if possible, MATH 113 (Pre-Calculus II) as these will satisfy MTH 180 and MTH 182 at Penn College. Math courses that do not satisfy MTH 180 or MTH 182 at Penn College will be used to satisfy an Open Elective or Liberal Arts Elective.

Major-Specific Courses

Raritan Valley Community College		Penn College	
Course # and Title		Course # and Title	Credits
ECTC 101: Refrigeration I	6	ACR 111: Introduction to Refrigeration	5
ECTC 103: Electricity for Environmental Control	2	ACR 118: Print Reading & Interpretation	1
ECTC 110: Computer Aided Drafting For Environmental Control Or CNTC 100: Construction Blueprint Reading	3	ACR 119: HVAC Automated Design I	1
ECTC 102: Air Conditioning Systems Design	6	ACR 124: Refrigeration Applications Commercial Systems/ Equipment**	4
ECTC 104: Electricity for Environmental Control II	2	ACR 126: Refrigeration Applications Commercial Installation/ Service**	4
ECTC 202: Heating Systems Design	5	ACR 236: Air Conditioning Systems I	3
ECTC 206: Residential HVAC Controls & Instrumentation	4	ACR 238: Air Conditioning System I (Load-Calculations & Design)	2
**ECTC 201: Refrigeration II	5	ACR 249: Advanced HVAC System Service	3
**ECTC 207: Commercial HVAC Controls & Instrumentation	4	ACR 251: Warm-Air Heating and Duct Design	3
ECTC 290: Environmental Control Cooperative Education	3	ELT 250: HVAC/R Electricity	5
		ELT 252: HVAC Controls I Residential	4
		ELT 253: HVAC Controls II Commercial	4
		PLH 112: Mechanical Systems I	5
		PLH 236: Basic Heating Systems (Installation)	3
		PLH 238: Basic Heating Systems (Heat Loss Calculation & System Design)	2
		PLH 244: Hydronic Heating Systems	4
Total Credits	40	Total Credits	53

**Satisfy Commercial Refrigeration Elective Requirement

These groups of courses will substitute as a block. Major-specific courses are not evaluated individually; students completing all of the listed courses from Raritan Valley Community College will receive credit for all of the listed Penn College courses in their respective semesters.

It is recommended that students who complete CNTC 100 (Construction Blueprint Reading) at Raritan, as opposed to ECTC 110 (Computer Aided Drafting for Environmental Control), consider completing ACR 119 (HVAC Automated Design I) at Penn College

V. ADMISSION PROCEDURES

- A. Individual must submit a completed Application for Admission.
- B. Applicant must provide an *official* transcript of all college course work.

VI. SIGNATURES

This articulation agreement has been reviewed and approved by those indicated below. A representative from each institution will inform the other party of any curriculum changes, which will then be reviewed to re-establish this agreement.

Pennsylvania College of Technology

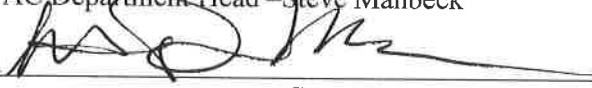
HVAC Department Head – Rick Taylor



Signature

10-10-12
Date

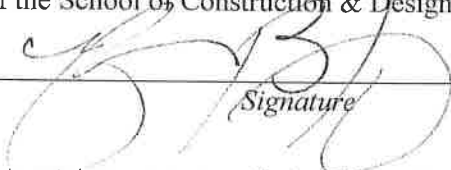
HVAC Department Head – Steve Manbeck



Signature

9-14-12
Date

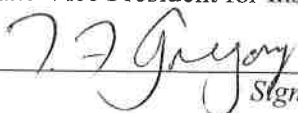
Dean of the School of Construction & Design Technologies - Marc Bridgens



Signature

9-14-12
Date

Associate Vice President for Instruction – Tom Gregory



Signature

10/17/12
Date

Raritan Valley Community College

President—Casey Crabill, Ed.D.

Casey Crabill
Signature

11.6.12
Date

Senior Vice President for Academic Affairs— Eileen Abel, Ph.D.

Eileen Abel
Signature

10.23.12
Date