

Articulation Agreement

Between the
Community College of Allegheny County
Associate of Science in Computer and Information Technology Degree

and the
Pennsylvania College of Technology
Bachelor of Science in Information Assurance and Security (BIS) Degree

I. PURPOSE

The agreement between Community College of Allegheny County and Pennsylvania College of Technology establishes a mechanism for graduates of Community College of Allegheny County to complete the requirements for the Bachelor of Science in Information Assurance and Security (BIS) at Pennsylvania College of Technology.

II. GOALS

- A. To provide a well-defined mechanism for graduates of the A.S. Computer and Information Technology Degree (050.2) from Community College of Allegheny County to begin the B.S. in Information Assurance and Security at the appropriate entry point.
- B. To recruit associate degree graduates whose career goals include acquisition of a baccalaureate degree in Information Assurance and Security (BIS).

III. TRANSFER/ENROLLMENT REQUIREMENTS

Pennsylvania College of Technology will accept Community College of Allegheny County graduates into the Information Assurance and Security major if they meet the following requirements and adhere to the Admission Procedures (Part V).

- A. Community College of Allegheny County applicants must have a final cumulative GPA of 2.0 or higher.
- B. Of the final 60 credits required by the bachelor-degree curriculum, 36 must be completed at Pennsylvania College of Technology.

IV. COURSE EVALUATION PLAN & RECOMMENDATIONS

- A. BIS General Education requirements completed as part of the Community College of Allegheny County degree will be evaluated on a course by course basis. Pennsylvania College of Technology participates in PA TRAC (<http://www.patrac.org/>). Community College of Allegheny County students should use PA TRAC to verify that CCAC courses will transfer to Penn College as General Education electives.
- B. In order to maximize course transfer and expedite progression to graduation, students should take the following courses.
 - 1. Complete the following courses as mathematics electives

- a) MAT201 Calculus I as a mathematics elective (transfers as MTH240 Calculus I)
 - b) Either prerequisites to MAT201 or other mathematics electives that transfer to Penn College (see PA TRAC)
2. Complete the following courses as general electives at Community College of Allegheny County
- a) CIT120 Networking
 - b) CIT125 Web Development
 - c) CIT220 Linux/Unix Operating System
 - d) CIS100 or CIT100 or other computing course
 - e) Computing or business course
 - f) One of the following
 - i. A 3-credit humanities, social science, art, foreign language or applied art course that transfers to Penn College (see PA TRAC)
 - ii. ACC104 Financial Accounting
 - iii. BUS103 Principles of Management
3. Complete the following courses as restricted electives at Community College of Allegheny County
- a) CIT115 Information Technology: Hardware and Software
 - b) CIT130 Object-Oriented Programming: Java
 - c) CIT230 Database Systems
4. Complete the following as science electives
- a) One 3-credit course (see PA TRAC)
 - b) One 4-credit course with a lab (see PA TRAC)

NOTE: See addendum for a list of courses that commonly transfer to the BIS major.

V. ADMISSION PROCEDURES

1. Individual must submit a completed Application for Admission which may be done at the beginning of the student's final year in the A.S. degree program at Community College of Allegheny County.
2. Applicant must provide an **official** transcript of all college course work.
3. The official transcript must be received before the student matriculates into the BIS program at Pennsylvania College of Technology to verify receipt of the Computer and Information Technology associate's degree.

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

Dean for Business & Computer Technologies

Edward A. Henninger 2/24/10
Dr. Edward A. Henninger Date

Assistant Dean for Business & Computer Technologies

Francesca Troutman 2-24-10
Ms. Francesca Troutman Date

Associate Vice President for Instruction

Tom Gregory 2/3/10
Mr. Tom Gregory Date

COMMUNITY COLLEGE OF ALLEGHENY COUNTY

President

Alex Johnson 3/25/10
Dr. Alex Johnson Date

Vice President for Learning and Student Development

Mary Frances Archey 3/30/10
Dr. Mary Frances Archey Date

ADDENDUM
Course and Competency Comparison

<p>Community College of Allegheny County – required courses to complete an A.S. in Computer and Information Technology (050.2) Students should use PA TRAC (http://www.patrac.org/) to select electives that are not specified below.</p>	<p>Pennsylvania College of Technology – courses that are commonly transferred into the B.S. in Information Assurance and Security program¹</p>
<p><i>Restricted elective: recommend CIT115 Information Technology HW & SW (3)</i></p>	<p>Networking Competency – 1st semester</p>
<p><i>General elective: recommend CIT120 Networking (3)</i></p>	<p>Networking Competency – 2nd semester</p>
<p>CIT111 Introduction to Programming: Java (4)</p>	<p>Programming Competency – 1st semester</p>
<p><i>Restricted elective: recommend CIT130 Object-Oriented Programming: Java (4)</i></p>	<p>Programming Competency – 2nd semester</p>
<p><i>Restricted elective: recommend CIT230 Database Systems (4)</i></p>	<p>Database Competency</p>
<p><i>General elective: recommend: CIT220 Linux/Unix Operating System (3)</i></p>	<p>Unix/Linux Competency</p>
<p><i>General elective: recommend: CIT125 Web Development (3)</i></p>	<p>Web Technologies Competency</p>
<p><i>General elective: recommend IT elective</i></p>	<p>IT/Business Elective</p>
<p><i>General elective: recommend CIS100, CIT100 or other computing course (3)</i></p>	<p>Computing Literacy</p>
<p><i>Mathematics Elective: MAT201 Calculus I</i></p>	<p>Calculus I (MTH240 equivalent)</p>
	<p>Financial Accounting (ACC113)</p>
	<p>Management (MGT115)</p>
<p>ENG101</p>	<p>ENL 111 English Composition I</p>
<p>ENG102</p>	<p>ENL121 or ENL201 English Composition II or Technical and Professional Communications</p>
	<p>Fitness & Lifetime Sports Elective</p>
	<p>Fitness & Lifetime Sports Elective</p>

¹ Of the final 60 credits required by the bachelor-degree curriculum, 36 must be completed at Pennsylvania College of Technology.

General elective (or take ACC104 or BUS103) ²	Humanities/Social Science/Art/Foreign Language/ Applied Art/International field Experience Elective
	Humanities/Social Science/Art/Foreign Language/ Applied Art/International field Experience Elective
Science elective	Science Elective
SPH101	Liberal Arts Elective
<i>Mathematics Elective, if needed: MAT111 (or other transfer class)</i>	Open Elective
<i>Mathematics Elective, if needed: MAT147 (or other transfer class)</i>	Open Elective
	SPC (speech) elective
<i>Science elective (take with a lab)</i> ³	SCI (science) with Lab
Humanities elective	HUM (humanities) elective
Social Science elective	SOC (social science) elective
	ART elective
	Fundamentals of Security - CIT230 equivalent
	System Analysis and Design - CIT246 equivalent
	Elementary Statistics w/Lab - MTH160 equivalent

² Students can select other ACC104 (transfers as Penn College ACC113), BUS103 (transfers as Penn College MGT115) or a general education course that would transfer as Penn College humanities, social science, art, foreign language or applied art course.

³ Penn College requires two science classes, one of which must include a lab component. Recommend that the second science include a lab component.