

# Articulation Agreement

Between the  
Community College of Allegheny County  
*Associate of Science in Software Development*

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.

## I. GOALS

- A. To provide a well-defined mechanism for graduates of the A.S. in Software Development (780.2) at 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).

## II. 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 IV).

- 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.

## III. 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 us 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. MAT201 Calculus I as a mathematics elective (transfers as MTH240 Calculus I)

2. CIT125 Web Development as a restricted elective
3. BUS103 Principles of Management as the accounting or business elective
4. Complete the following courses as general electives at Community College of Allegheny County
  - a. CIT220 Linux/Unix Operating System
  - b. ACC104 Financial Accounting
  - c. If necessary, either MAT111 or MAT142 or MAT147 as prerequisites to MAT201 Calculus I

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

#### **V. ADMISSION PROCEDURES**

- A. 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
- B. Applicant must provide an **official** transcript of all college course work.
- C. The official transcript must be received before the student matriculates into the BIS program at Pennsylvania College of Technology to verify receipt of the Community College of Allegheny County Software Development associate's degree.

**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 3/24/10  
Dr. Edward A. Henninger Date

Assistant Dean for Business & Computer Technologies

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

Associate Vice President for Academic Affairs

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

**COMMUNITY COLLEGE OF ALLEGHENY COUNTY**

President

Alex Johnson 3/12/10  
Dr. Alex Johnson Date

Vice President for Learning and Student Development

Mary Frances Archey 3/12/10  
Dr. Mary Frances Archey Date

ADDENDUM  
Course and Competency Comparison

<b>Community College of Allegheny County – required courses to complete an A.S. in Software Development (780.2)</b> Students should use PA TRAC ( <a href="http://www.patrac.org/">http://www.patrac.org/</a> ) to select electives that are not specified below.	<b>Pennsylvania College of Technology – courses that are commonly transferred into the B.S. in Information Assurance and Security program<sup>1</sup></b>
CIT115 Information Technology: Hardware and Software (3)	Networking Competency – 1 <sup>st</sup> semester
CIT120 Networking (3 cr)	Networking Competency – 2 <sup>nd</sup> semester
CIT111 Introduction to Programming: Java (4 cr)	Programming Competency – 1 <sup>st</sup> semester (160)
CIT130 Object-Oriented Programming: Java (4)	Programming Competency – 2 <sup>nd</sup> semester
CIT230 Database Systems (4 cr)	Database Competency (180)
<i>General elective: Recommend CIT220 Linux/Unix Operating System (3)</i>	Unix/Linux Competency (240)
<i>Restrictive elective: Recommend: CIT125 Web Development (3)</i>	Web Technologies Competency
CIT161 VB: Windows Programming	IT/Business Elective
Restricted IT elective <sup>2</sup>	Computing Literacy
<i>Math elective: MAT201 Calculus<sup>3</sup></i>	Calculus (MTH240 equivalent)
<i>General elective: recommend ACC104</i>	Financial Accounting (ACC113)
<i>Accounting or Business elective: recommend BUS103</i>	Management (MGT115)
ENG101	ENL 111
ENG102	ENL121 or ENL201
	Fitness & Lifetime Sports Elective
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	Humanities/Social Science/Art/Foreign Language/ Applied Art/International field

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

<sup>2</sup> With degree conferred, any computing course will count as computing literacy.

<sup>3</sup> Must be completed prior to first semester at Penn College; prerequisite for 'first' semester course.

	Experience Elective
	Humanities/Social Science/Art/Foreign Language/ Applied Art/International field Experience Elective
Science elective (3 or 4) <sup>4</sup>	Science Elective
SPH101 Oral Communication (3)	Liberal Arts Elective (CMM200)
Restricted IT elective	Open Elective
General elective or MAT111, MAT142 or MAT147 as prerequisites to MAT201	Open Elective
	SPC elective
	SCI with Lab
	HUM elective
Social science elective	SOC elective
	ART elective
	Fund of Security - CIT230 equivalent
CIT215 Systems Analysis and Design (3 cr)	System Analysis and Design - CIT246 equivalent
	Elem Stats w/Lab - MTH160 equivalent

<sup>4</sup> Depending on how the science elective transfers, it may transfer as science with lab.