

**TRANSFER ARTICULATION AGREEMENT**  
**between**  
**SUNY BROOME COMMUNITY COLLEGE**  
**and**  
**SUNY POTSDAM**

The purpose of this agreement is to facilitate the transfer of students from the Computer Science A.S. degree at SUNY Broome Community College (BCC) to the Computer Science B.A. degree with concentrations in Computer Science or Information Systems at SUNY Potsdam. Students transferring with an associate degree will enter Potsdam as juniors and, assuming normal academic progress, have the opportunity to complete the B.A. degree in two additional years of full-time enrollment.

This document was developed in order to provide a seamless two-plus-two transfer opportunity that reduces unnecessary repetition of general education and curricular content. It follows SUNY Transfer Paths and complies with SUNY General Education requirements thereby enabling students to complete their intended program of study on time, without unnecessary cost and/or duplication of effort.

**Admission**

- apply online at [www.suny.edu/applysuny](http://www.suny.edu/applysuny) - the application fee is waived for students transferring with an associate degree from BCC
- an official transcript is required from every college attended in order to be considered for admission
- an official high school transcript or copy of the GED/TASC is also required to be on file for federal financial aid purposes
- students transferring with the A.S. degree and a 2.5 or higher grade point average are guaranteed admission to SUNY Potsdam
- transfer scholarships are available to fall and spring semester transfer students with a 3.0 or higher gpa and are renewable for one year if gpa is maintained - apply at [www.potsdam.edu/scholarships](http://www.potsdam.edu/scholarships)

**Transfer of Courses**

- all college-level courses from BCC transfer. Visit [www.potsdam.edu/admissions/transfer](http://www.potsdam.edu/admissions/transfer) to see how courses will transfer
- non-major courses with grades of "D" will transfer, a "C" or higher is required for all major courses
- an official evaluation of transfer credit is mailed with the accept letter

**SUNY General Education/College Requirements**

- students transferring to Potsdam with a BCC associate degree, having completed 30 semester hours of general education including 7 out of 10 SUNY General Education requirements, will be exempt from any additional Potsdam General Education Foundations and Modes of Inquiry requirements not already satisfied. As defined by SUNY, the 7 out of 10 must include Basic Communication and Mathematics.
- transfer students must complete Potsdam's Modern Language requirement on a pro-rated basis, a PE activity/HW requirement (2 courses), and Speaking and Writing Intensive requirements if not already satisfied at BCC.
- specific Potsdam general education detail is available at: [www.potsdam.edu/academics/general\\_education/GEF](http://www.potsdam.edu/academics/general_education/GEF)

## **Transfer Services**

- students are required to attend a transfer student orientation
- new transfer students receive individual advising with specially trained advisors

This agreement commences upon the date of its signing and shall remain in effect until terminated by either college. The major information will be reviewed on a periodic basis and updated as curricular changes are made at both colleges.

| <b>BCC Computer Science A.S.</b>                  | <b>SUNY Potsdam Computer Science B.A., CS Concentration</b> |
|---|---|
| CST 133 Structured Programming (3)                | CIS 201 Computer Science I (3)                              |
| CST 202 Data Structures (3)                       | CIS 203 Computer Science II (3)                             |
| CST 220 Microprocessors and Assembly Language (3) | CIS 356 Assembly Language & Computer Architecture (3)       |
| MAT 250 Discrete Math (4)                         | CIS 300 Foundations of CS (4)                               |
| MAT 181 Calculus I (4)                            | MATH 151 Calculus I (4)                                     |
| MAT 182 Calculus II (4)                           | MATH 152 Calculus II (4)                                    |
| <b>Total 21 credit hours</b>                      | <b>Total 21 credit hours</b>                                |

### **Remaining requirements at SUNY Potsdam:**

CIS 301-Theory of Computation (3)  
 CIS 303 -Algorithm Analysis and Design (3)  
 CIS 380 - Professional Practice (3)  
 CIS 405 - Software Engineering (3)  
 CIS 410- Computer Networks (3)  
 CIS xxx - CIS Elective (3xx or 4xx) (3)  
 CIS xxx -CIS Elective (3xx or 4xx) (3)  
 CIS 480 - Senior Project or CIS 490 - CS Internship (3)  
 MATH 125 - Probability and Statistics (3)

**Computer Science major requirements to be completed at Potsdam - 27 hrs**

**Completion of 38 credit hours 300+ level (remaining upper-division requirement)**

| <b>BCC Computer Science A.S.</b>                  | <b>SUNY Potsdam Computer Science B.A., IS Concentration</b> |
|---|---|
| CST 133 Structured Programming (3)                | CIS 201 Computer Science I (3)                              |
| CST 202 Data Structures (3)                       | CIS 203 Computer Science II (3)                             |
| CST 220 Microprocessors and Assembly Language (3) | CIS 356 Assembly Language & Computer Architecture (3)       |
| MAT 250 Discrete Math (4)                         | CIS 300 Foundations of CS (4)                               |
| MAT 181 Calculus I (4)                            | MATH 151 Calculus I (4)                                     |
| MAT 182 Calculus II (4)                           | MATH 152 Calculus II (4)                                    |
| <b>Total 21 credit hours</b>                      | <b>Total 21 credit hours</b>                                |

**Remaining requirements at SUNY Potsdam:**

- CIS 380 - Professional Practice (3)
- CIS 405 - Software Engineering (3)
- CIS 410- Computer Networks (3)
- CIS 420- Database Systems (3)
- CIS xxx - CS Elective at 300 or 400 level (3)
- CIS 480 - Senior Project or CIS 490 - CS Internship (3)
- MATH 125 - Probability and Statistics (3)
- Business Administration Minor (18)

**Computer Science major requirements to be completed at Potsdam - 21hrs**

**Business Administration Minor - 18 hrs**

**Completion of 38 credit hours 300+ level (remaining upper-division requirement)**

**BCC Computer Science A.S. with transfer to CS Concentration**

**FIRST YEAR**

| <i>First Semester</i>            | <i>Second Semester</i>             |
|----------------------------------|------------------------------------|
| CST 113 Intro to Programming (3) | CST 133 Structured Programming (3) |
| CST 117 Problem Solving (3)      | CST 170 Digital Logic (3)          |
| CST 119 Computer Concepts (3)    | MAT 182 Calculus II (4)            |
| ENG 110 College Writing I (3)    | CIV Ed elective (3)                |
| MAT 181 Calculus I (4)           | Gen Ed elective (3)                |
| PED elective (1)                 |                                    |
| <b>Total</b><br><b>17</b>        | <b>Total</b><br><b>16</b>          |

**SECOND YEAR**

| <i>First Semester</i>                   | <i>Second Semester</i>                 |
|---|--|
| CST 150 Object Oriented Programming (3) | CST 202 Data Structures (3)            |
| *MAT 250 Discrete Math (4)              | CST 225 Small Systems (3)              |
| CST 220 Microprocessors (3)             | ENG 220 Comm. About Ideas (3)          |
| PHY 181 Physics I (or BIO or CHM) (4)   | *MAT 264 Linear Algebra (4)            |
| Gen Ed elective (3)                     | PHY 182 Physics II (or BIO or CHM) (4) |
|   | PED elective (1)                       |
| <b>Total</b><br><b>17</b>               | <b>Total</b><br><b>14</b>              |

\*Only MAT 250 or MAT 264 is required

**SUNY Potsdam B.A. in CS – Computer Science Concentration**

**THIRD YEAR**

| <i>First Semester</i>             | <i>Second Semester</i>                      |
|-----------------------------------|---|
| CIS 301 Theory of Computation (3) | CIS 303 Algorithm Analysis and Design (3)   |
| CIS 405 Software Engineering (3)  | CIS 380 Professional Practice – [SI] (3)    |
| *Modern Language 101 (3)          | MATH 125 Probability and Statistics I (3)   |
| Upper-division elective (3)       | *Modern Language 102 - [ML] requirement (3) |
| Elective (3)                      | Upper-division elective (3)                 |
| <b>Total</b><br><b>15</b>         | <b>Total</b><br><b>15</b>                   |

\*Four years of the same foreign language at the high school level satisfy the modern language [ML] requirement.

#### FOURTH YEAR

| <i>First Semester</i>                    | <i>Second Semester</i>                   |
|--|--|
| CIS xxx 300 or 400 level CS elective (3) | CIS 410 Computer Networks (3)            |
| CIS 480 or 490 Senior Capstone (3)       | CIS xxx 300 or 400 level CS elective (3) |
| Writing Intensive [WI] requirement (3)   | Upper-division elective (3)              |
| Upper-division elective (3)              | Upper-division elective (3)              |
| Elective (3)                             |  |
| <b>Total</b><br><b>15</b>                | <b>Total</b><br><b>12</b>                |

#### BCC Computer Science A.S. with transfer to IS Concentration

##### FIRST YEAR

| <i>First Semester</i>            | <i>Second Semester</i>             |
|----------------------------------|------------------------------------|
| CST 113 Intro to Programming (3) | CST 133 Structured Programming (3) |
| CST 117 Problem Solving (3)      | CST 170 Digital Logic (3)          |
| CST 119 Computer Concepts (3)    | MAT 182 Calculus II (4)            |
| ENG 110 College Writing I (3)    | CIV Ed elective (3)                |
| MAT 181 Calculus I (4)           | Gen Ed elective (3)                |
| PED elective (1)                 |                                    |
| <b>Total</b><br><b>17</b>        | <b>Total</b><br><b>16</b>          |

##### SECOND YEAR

| <i>First Semester</i>                   | <i>Second Semester</i>                 |
|---|--|
| CST 150 Object Oriented Programming (3) | CST 202 Data Structures (3)            |
| *MAT 250 Discrete Math (4)              | CST 225 Small Systems (3)              |
| CST 220 Microprocessors (3)             | ENG 220 Comm. About Ideas (3)          |
| PHY 181 Physics I (or BIO or CHM) (4)   | *MAT 264 Linear Algebra (4)            |
| Gen Ed elective (3)                     | PHY 182 Physics II (or BIO or CHM) (4) |
|   | PED elective (1)                       |
| <b>Total</b><br><b>17</b>               | <b>Total</b><br><b>14</b>              |

\*Only MAT 250 or MAT 264 is required

#### SUNY Potsdam B.A. in CS – Information Systems Concentration

##### THIRD YEAR

| <i>First Semester</i>                    | <i>Second Semester</i>                      |
|--|---|
| CIS 405 Software Engineering (3)         | CIS 380 Professional Practice – [SI] (3)    |
| CIS xxx 300 or 400 level CS elective (3) | CIS 410 Computer Networks (3)               |
| Business minor elective (3)              | MATH 125 Probability and Statistics I (3)   |
| *Modern Language 101 (3)                 | Business minor elective (3)                 |
| Upper-division elective (3)              | *Modern Language 102 - [ML] requirement (3) |
| <b>Total</b><br><b>15</b>                | <b>Total</b><br><b>15</b>                   |

\*Four years of the same foreign language at the high school level satisfy the modern language [ML] requirement.

## FOURTH YEAR

| <i>First Semester</i>                      | <i>Second Semester</i>                     |
|--|--|
| CIS 480 or 490 Senior Capstone (3)         | CIS 420 Database Systems (3)               |
| Upper-division business minor elective (3) | Upper-division business minor elective (3) |
| Upper-division business minor elective (3) | Upper-division business minor elective (3) |
| Upper-division elective (3)                | Upper-division elective (3)                |
| Writing Intensive [WI] requirement (3)     |  |
| <b>Total</b><br><b>15</b>                  | <b>Total</b><br><b>12</b>                  |