TRANSFER ARTICULATION AGREEMENT
between
DUTCHESS 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 Dutchess Community College to the Computer Science B.A. degree with tracks in Computer Science and Information Systems, or the Computer Science B.S. degree 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. or B.S. degree in two additional years of full-time enrollment.

Admission
- the application is available online at www.suny.edu/applysuny - the application fee is waived for students transferring with an associate degree from Dutchess Community College
- an official transcript is required from <u>every</u> 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
- after completing the A.S. degree in Computer Science at DCC, students will be able to finish B.A. or B.S. in Computer Science within two years of full-time study at SUNY Potsdam
- transfer scholarships are available to fall 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

Transfer of Courses
- All college-level courses from Dutchess will transfer. Visit www.potsdam.edu/admissions/transfer to see how courses will transfer.
- non-major courses with grades of "D" or higher will transfer, a "C" or higher is required for all major courses
- There is no maximum number of credits that can be transferred, but a minimum of 15 upper-division credits in the major and 15 others must be completed at SUNY Potsdam. Students transferring credits in excess of those required by the A.S. degree at DCC may complete more than 120 total credits in pursuit of the B.A. or B.S. degree.
- an official evaluation of transfer credit is mailed with the admission acceptance letter

SUNY General Education/College Requirements
- students transferring to Potsdam with a Dutchess 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 Dutchess. The SI and WI requirements are typically satisfied by completion of upper-division major course work.

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. Both colleges will notify each other when such changes are made.

Dutchess Community College (CPS, CIS and MAT course equivalencies)

DCC Computer Science A.S.	Potsdam Computer Science B.A. Computer Science track
CPS 142 Advanced Programming Techniques	CIS 201 Computer Science I
CIS 227 Assembler Language Programming	CIS 356 Assembly Language and Computer Architecture
MAT 221 Analytic Geometry and Calculus I	MATH 151 Calculus I
MAT 222 Analytic Geometry and Calculus II	MATH 152 Calculus II
MAT 214 Discrete Mathematics	CIS 300 Foundations of Computer Science
CPS 231 Data Structures	CIS 203 Computer Science II
MAT 118 Elementary Statistics	MATH 125 Probability and Statistics I

B.A. Computer Science major – Computer Science track requirements remaining to be completed at SUNY Potsdam (24 semester hours):

CIS 301 Theory of Computation (3 hrs)
CIS 303 Algorithm Analysis and Design (3 hrs)
CIS 380 Professional Practice (3 hrs)
CIS 405 Software Engineering (3 hrs)
CIS 410 Computer Networks (3 hrs)
CIS 300/400 upper-division CIS elective (3 hrs)
CIS 300/400 upper-division CIS elective (3 hrs)
CIS 480 Senior Project **-or-** CIS 490 CS Internship (3 hrs)

Completion of 39 semester hours at the 300/400 level (remaining upper-division requirement)

DCC Computer Science A.S. degree with transfer to Potsdam B.A. - Computer Science track

FIRST YEAR

First Semester	Second Semester
CPS 100 Introductory Seminar **-or-** CLP 101 Career Exploration and Planning (1-3)	ENG 102 Composition II (3)
ENG 101 Composition I (3)	HIS 104, HIS 108 **or** GOV 121 *(HIS 104 recommended*) (3)
BHS 103 Social Problems in Today's World (3)	MAT 221 Analytic Geometry and Calculus I (4)
MAT 185 Precalculus Mathematics (4)	CPS 142 Advanced Programming Techniques (3)
CPS 141 Intro. to Computer Science and Programming (4)	WFE 101 Lifetime Wellness and Fitness (3)
Total semester hours: (15-17)	**Total semester hours: (16)**

SECOND YEAR

First Semester	Second Semester
Science *(AST, CHE or PHY recommended)* (4)	MAT 214 Discrete Mathematics (3)
MAT 222 Analytic Geometry and Calculus II (4)	CIS 227 Assembler Language Programming (3)
CPS 231 Data Structures (3)	MAT 223 or Science *(BIO recommended*) (4)
Gen Education Elective *(HIS 101or 102 recommended)* (3)	Gen Ed Elective *(Appendix GorH course recommended)* (3)
Elective *(SPE 101 Public Speaking recommended)* (3)	Free Elective *(MAT 118 Elem. Statistics recommended)* (3)
Total semester hours: (17)	**Total semester hours: (16)**

SUNY Potsdam B.A. in Computer Science – Computer Science track

THIRD YEAR

First Semester	Second Semester
CIS 301 Theory of Computation (3)	CIS 380 Professional Practice *[SI]* (3)
CIS 405 Software Engineering *[WI]* (3)	CIS 410 Computer Networks (3)
modern language 101 *(3)*	*modern language 102 [ML] gen ed requirement* *(3)*
elective (3)	elective (3)
elective (3)	upper-division elective (3)

physical education activity (1)	
Total semester hours: (16)	**Total semester hours: (15)**

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

FOURTH YEAR

First Semester	*Second Semester*
CIS 300 **or** 400 level major elective (3)	CIS 300 **or** 400 level major elective (3)
CIS 480 Senior Project **or** CIS 490 CS Internship (3)	CIS 303 Algorithm Analysis and Design (3)
elective (3)	upper-division elective (3)
upper-division elective (3)	elective (3)
upper-division elective (3)	upper-division elective (3)
Total semester hours: (15)	**Total semester hours: (15)**

Dutchess Community College (CPS, CIS and MAT course equivalencies)

DCC Computer Science A.S.	Potsdam Computer Science B.A. – Info Systems track
CPS 142 Advanced Programming Techniques	CIS 201 Computer Science I
CPS 231 Data Structures	CIS 203 Computer Science II
CIS 227 Assembler Language Programming	CIS 356 Assembly Language and Computer Architecture
MAT 221 Analytic Geometry and Calculus I	MATH 151 Calculus I
MAT 214 Discrete Mathematics	required CIS elective (CIS 300 Foundations of Computer Science)
MAT 118 Elementary Statistics	MATH 125 Probability and Statistics I

B.A. Computer Science major – Information Systems track requirements remaining to be completed at SUNY Potsdam (15 semester hours):

CIS 380 Professional Practice (3 hrs)
CIS 405 Software Engineering (3 hrs)
CIS 410 Computer Networks (3 hrs)
CIS 420 Database Systems (3 hrs)
CIS 480 Senior Project **-or-** CIS 490 CS Internship (3 hrs)

Business Administration Minor to be completed at SUNY Potsdam (18 semester hours)

Completion of 39 semester hours at the 300/400 level (remaining upper-division requirement)

DCC Computer Science A.S. with transfer to Potsdam B.A. Information Systems track

FIRST YEAR

First Semester	Second Semester
CPS 100 Introductory Seminar **-or-** CLP 202 Career Exploration and Planning (1-3)	ENG 102 Composition II (3)
ENG 101 Composition I (3)	HIS 104,HIS 108 **or** GOV 121 *(HIS 104 recommended)* (3)
BHS 103 Social Problems in Today's World (3)	MAT 221 Analytic Geometry and Calculus I (4)
MAT 185 Precalculus Mathematics (4)	CPS 142 Advanced Programming Techniques (3)
CPS 141 Intro. to Computer Science and Programming (4)	WFE 101 Lifetime Wellness and Fitness (3)
Total semester hours: **(15-17)**	**Total semester hours:** **(16)**

SECOND YEAR

First Semester	Second Semester
Science *(AST, CHE or PHY recommended)* (4)	MAT 214 Discrete Mathematics (3)
MAT 222 Analytic Geometry and Calculus II (4)	CIS 227 Assembler Language Programming (3)
CPS 231 Data Structures (3)	MAT 223 or Science *(BIO recommended)* (4)
Gen Education Elective *(HIS 101 or 102 recommended)* (3)	Gen Ed Elective (Appendix GorH course recommended) (3)
Elective *(SPE 101 Public Speaking recommended)* (3)	Free Elective *(MAT 118 Elem. Statistics recommended)* (3)
Total semester hours: **(17)**	**Total semester hours:** **(16)**

SUNY Potsdam B.A. in Computer Science – Information Systems track

THIRD YEAR

First Semester	Second Semester
CIS 405 Software Engineering *[WI]* (3)	CIS 380 Professional Practice *[SI]* (3)
upper-division Business Administration minor course (3)	CIS 410 Computer Networks (3)

upper-division Business Administration minor course (3)	upper-division Business Administration minor course (3)
modern language 101 (3)	*modern language 102 [ML] gen ed requirement* (3)
elective (3)	elective (3)
physical education activity (1)	
Total semester hours: (16)	**Total semester hours: (15)**

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

FOURTH YEAR

First Semester	*Second Semester*
CIS 480 Senior Project **or** CIS 490 CS Internship (3)	CIS 420 Database Systems (3)
upper-division Business Administration minor course (3)	upper-division Business Administration minor course (3)
upper-division Business Administration minor course (3)	elective (3)
elective (3)	elective (3)
upper-division elective (3)	upper-division elective (3)
Total semester hours: (15)	**Total semester hours: (15)**

Dutchess Community College (CPS, CIS and MAT course equivalencies)

DCC Computer Science A.S.	SUNY Potsdam Computer Science B.S.
CPS 142 Advanced Programming Techniques	CIS 201 Computer Science I
CIS 227 Assembler Language Programming	CIS 356 Assembly Language and Computer Architecture
MAT 221 Analytic Geometry and Calculus I	MATH 151 Calculus I
MAT 222 Analytic Geometry and Calculus II	MATH 152 Calculus II
MAT 214 Discrete Mathematics	CIS 300 Foundations of Computer Science
CPS 231 Data Structures	CIS 203 Computer Science II
MAT 118 Elementary Statistics	MATH 125 Probability and Statistics I
MAT 215 Linear Algebra **-or-** MAT 223 Analytic Geometry and Calculus III	MATH 375 Linear Algebra I **-or-** MATH 253 Multivariate Calculus
BIO 101/102 **-or-** CHE 121/122 **-or-** PHY 151/152	BIOL 151/152 **-or-** CHEM 105/106 **-or-** PHYS 103/204

B.S. Computer Science major requirements remaining to be completed at SUNY Potsdam
(30 semester hours):

CIS 301 Theory of Computation (3 hrs)
CIS 303 Algorithm Analysis and Design (3 hrs)
CIS 310 Operating Systems (3 hrs)
CIS 380 Professional Practice (3 hrs)
CIS 405 Software Engineering (3 hrs)
CIS 410 Computer Networks (3 hrs)
CIS 443 Programming Languages (3 hrs)
CIS 300/400 upper-division CIS elective (3 hrs)
CIS 300/400 upper-division CIS elective (3 hrs)
CIS 480 Senior Project **-or-** CIS 490 CS Internship (3 hrs)

Completion of 39 semester hours at the 300/400 level (remaining upper-division requirement)

DCC Computer Science A.S. with transfer to Potsdam Computer Science B.S. Degree

FIRST YEAR

First Semester	*Second Semester*
CPS 100 Introductory Seminar **-or-** CLP 202 Career Exploration and Planning (1-3)	ENG 102 Composition II (3)
ENG 101 Composition I (3)	HIS 104,HIS 108 **or** GOV 121 *(HIS 104 recommended)* (3)
BHS 103 Social Problems in Today's World (3)	MAT 221 Analytic Geometry and Calculus I (4)
MAT 185 Precalculus Mathematics (4)	CPS 142 Advanced Programming Techniques (3)
CPS 141 Intro. to Computer Science & Programming (4)	WFE 101 Lifetime Wellness and Fitness (3)
Total semester hours: **(15-17)**	**Total semester hours:** **(16)**

SECOND YEAR

First Semester	*Second Semester*
Science: BIO 101 or CHE 121 or PHY 151 (sequence 1) (4)	MAT 214 Discrete Mathematics (3)
MAT 222 Analytic Geometry and Calculus II (4)	CIS 227 Assembler Language Programming (3)
CPS 231 Data Structures (3)	MAT or Sci: *BIO 102orCHE 122orPHY 152 (sci 2)* (4)
Gen Education Elective *(HIS 101 or 102*	Gen Ed Elective *(Appendix GorH course*

recommended) (3)	*recommended)* (3)
Elective *(MAT 118 Elem. Statistics recommended)* (3)	Free Elective (MAT 215 Linear Algebra **or** MAT 223 Calculus III recommended) (3-4)
Total semester hours: (17)	**Total semester hours: (16-17)**

SUNY Potsdam B.S. in Computer Science

THIRD YEAR

First Semester	*Second Semester*
CIS 301 Theory of Computation (3)	CIS 380 Professional Practice *[SI]* (3)
CIS 405 Software Engineering *[WI]* (3)	CIS 410 Computer Networks (3)
elective (3)	CIS 443 Programming Languages (3)
modern language 101 (3)	*modern language 102 [ML] gen ed requirement* (3)
elective (3)	elective (3)
physical education activity (1)	
Total semester hours: (16)	**Total semester hours: (15)**

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

FOURTH YEAR

First Semester	*Second Semester*
CIS 300 **or** 400 level major elective (3)	CIS 300 **or** 400 level major elective (3)
CIS 480 Senior Project **-or-** CIS 490 CS Internship (3)	CIS 303 Algorithm Analysis and Design (3)
CIS 310 Operating Systems (3)	elective (3)
elective (3)	elective (3)
upper-division elective (3)	upper-division elective (3)
Total semester hours: (15)	**Total semester hours: (15)**