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 103 **or** GOV 121 *(HIS 104 recommended)*	(3)
BHS 103 Social Problems in Today's World	(3)	MAT 221 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 Calculus II	(4)	CIS 227 Assembler Language Programming	(3)
CPS 231 Data Structures	(3)	MAT or Sci: *BIO 102 or CHE 122 or PHY 152 (sci 2)*	(4)
Gen Education Elective *(HIS 101 or 102 recommended)*	(3)	Gen Ed Elective *(Appendix GorH course 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] gen ed*	(3)
CIS 405 Software Engineering *[WI] gen ed*	(3)	CIS 410 Computer Networks	(3)
[SB] or [SP] general education requirement	(3)	CIS 443 Programming Languages	(3)
modern language 101	(3)	*modern language 102 [ML] gen ed requirement*	(3)
[AC] or [AE] general education requirement	(3)	*[XC] general education requirement*	(3)
physical education activity	(1)		
Total semester hours:	**(16)**	**Total semester hours:**	**(15)**

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)	[PI] general education requirement (upper-division)	(3)
upper-division elective	(3)	upper-division elective	(3)
upper-division elective	(3)	upper-division elective	(3)
Total semester hours:	**(15)**	**Total semester hours:**	**(15)**

Signed 8/7/2017

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 Calculus I	MATH 151 Calculus I
MAT 222 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)

General Education – It is recommended that students complete as many SUNY general education requirements as possible with their electives at DCC.

Completion of 45 semester hours at the 300/400 level (upper-division requirement)

Signed 8/7/2017

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/student - the application fee is waived for students transferring with an associate degree from Dutchess Community College
- an official transcript is required from every college attended in order to be considered for admission
- students transferring with the A.S. degree and a 2.5 or higher grade point average (GPA) 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 3.25 or higher GPA and are renewable for one year if GPA is maintained – the application is available at www.potsdam.edu/scholarships

Transfer of Courses
- all college-level courses from DCC transfer. Transferability of DCC courses can be found at www.potsdam.edu/admissions/transfer/course_equivalency_tables.cfm
- 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 must be completed at SUNY Potsdam
- an official evaluation of transfer credit is mailed with the admission acceptance letter

SUNY General Education
- 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
- 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 have the option to complete an online orientation or attend a Transition Conference immediately prior to the beginning of the fall and spring semesters
- transfer students are individually advised for first semester course selection by specially trained academic 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.

Signed 8/7/2017