

**Program Articulation Agreement between
The College of Saint Rose
and
Dutchess County Community College**

1. Purpose

This agreement between The College of Saint Rose and Dutchess County Community College provides the terms and conditions for students of Dutchess County Community College who have an Associate of Science degree in Computer Science and seek admission by transfer to the Bachelor of Science degree in Computer Science at The College of Saint Rose. Both parties will use their best efforts to minimize loss of credits and duplication of coursework.

2. Admission

Transfer students from Dutchess County Community College who have completed an Associate of Science degree and who have a cumulative grade point average of 2.5 are generally accepted. The College reserves the right to evaluate transfer student applicants who do not meet the 2.5 criteria on an individual basis.

3. Transfer of Credit

In evaluating the credentials of transfer candidates, the College makes every attempt to give maximum credit for college work completed at other institutions. For all other applicable courses, transfer credit will be granted for courses in which a student achieves a grade of C- or above. Credits transfer, but grades do not. A minimum of 122 credits are required for a Bachelor's degree. A maximum of 62 credits from other institutions will be accepted for transfer and a minimum of 60 credits must be completed at The College of Saint Rose.

4. Scholarships

The College of Saint Rose is committed to enrolling students with superior ability and proven achievement. To support our commitment, we award guaranteed academic transfer scholarships for two years to students who have achieved impressive grade point averages for all previous college work.

GPA	Transfer Scholarship	Advancing Saint Rose Difference Scholarship
3.81 - 4.00	\$7,500	\$4,000
3.50 - 3.80	\$7,000	\$4,000
3.21 - 3.49	\$5,500	\$4,000
3.00 - 3.20	\$5,000	\$4,000
2.99 and below	-----	\$8,500

In addition, The College of Saint Rose offers a \$3,000 a year Phi Theta Kappa Scholarship for transfer students who are members of this honor society.

5. Terms of Agreement

This agreement becomes effective on the date of signature by the representatives of the institutions contained within the agreement. The terms of this agreement may be modified or terminated at any time upon mutual consent of both institutions with appropriate notification. In the event it is decided to modify this agreement, commitments made to individual students already in the program will continue in effect in the terms applicable at the time the student enrolled in the program.

DUTCHESS COMMUNITY COLLEGE: COMPUTER SCIENCE A. S.
THE COLLEGE OF SAINT ROSE: COMPUTER SCIENCE B.S.

DEGREE REQUIREMENTS

SAINT ROSE REQUIREMENTS:

DUTCHESS CC EQUIVALENCIES:

I. LIBERAL EDUCATION REQUIREMENTS (41 cr.):

L01: Expository Writing, Oral Communication, Research Techniques (4 cr.)

ENG 105 (4)

ENG 101 Composition I AND
SPE 101 Public Speaking (3) *Note 1*

L02: Study of Language (3 cr.)

Foreign Language, American Sign Language, Linguistics,
Or Philosophy of Language

Foreign Language Elective (3) *Note 2**

L03: Historical Knowledge, Analysis, and Perspective (3 cr.)

History

History Elective (3) *Note 2**

L04: Artistic Knowledge and Interpretation: Literature (4 cr.)

Literature

Composition II (3)

L05: Artistic Knowledge and Interpretation (3 cr.)

Art, Music, Communications, and Drama

Fine Arts Elective (3) *Note 2**

L06: Philosophical, Spiritual, or Theological Inquiry (3 cr.)

Philosophy or Religious Studies

Philosophy Elective (3) *Note 2**

L07: Mathematics (3 cr.)

Mathematics

MAT 185 Precalculus (4) or higher *Note 2**

L08: Computer Science (3 cr.)

Computers

CPS 141 Introduction to Computer Science
and Programming (4) *Note 3*

L09: Scientific Knowledge and Inquiry (4 cr.)

Laboratory Science (Biology, Chemistry, Physics or Earth Science)

Science w/Lab Elective (3-4) *Note 2*&4*

L10: Behavioral and Social Sciences 1 (3 cr.)

Economics, Political Science or Business

Economics, Political Science OR Business
Elective (3) *Note 2**

L11: Behavioral and Social Sciences 2 (3 cr.)

Psychology, Sociology, and Social Work

BHS 103 Social Problems in Today's World
(3)

L12: Wellness and Physical Fitness (2 cr.)

Physical Education

WFE 101 Lifetime Wellness and Fitness (3)
Note 5

L13: Further Disciplinary Study (3 cr.)

A second liberal education course in a same discipline, outside the major

II. GENERAL ELECTIVES:

CPS Introductory Seminar (1)
CLP 101 Career Exploration & Planning (3)
MAT 215 Linear Algebra (3)

III. MAJOR REQUIREMENTS (61cr.):**Major in Computer Science:**

CSC 202 Introduction to Programming (4)

CSC 205 Windows Programming I (4)
 CSC 252 Problem Solving with Java (4)
 CSC 302 Data Structures (4)
 CSC 321 Database Management (4)
 CSC 332 Microcomputer Architecture and Programming (3)
 CSC 431 Algorithms (3)
 CSC 432 Operating Systems (3)
 CSC 433 Programming Languages (3)
 CSC 434 Software Engineering (3)
 MAT 190 Calculus I (4)
 MAT 191 Calculus 2 (4)
 MAT 184 Elementary Statistics (4)
 or
 MAT 372 Introduction to Probability Theory (3)
 MAT 220 Foundations of Mathematics (3)
 or
 MAT 295 Discrete Math (3)

Dutchess Course Equivalencies:

CPS 141 Intro to Computer Science and Programming (4)
 CPS 142 Advanced Programming Techniques (4)
 CPS 231 Data Structures (3)
 CIS 227 Assembler Lang. Programming (3)
 MAT 221 Analytical Geometry & Calculus I (4)
 MAT 222 Analytical Geometry & Calculus II (4)
 MAT 118 Elementary Statistics (3)
 MAT 214 Discrete Mathematics (3)

CSC Electives from the following: (12 cr.)

CSC 305 Windows Programming 2 (4)
 CSC 311 Computer Graphics (3)
 CSC 317 Forensic Computing (3)
 CSC 342 Artificial Intelligence (3)
 CSC 344 Computer Networks (3)
 CSC 355 Internet Programming 1 (3)
 CSC 404 Animation and Rendering (3)
 CSC 405 Computer Game Design (3)
 CSC 414 Bioinformatics 1 (3)
 CSC 415 Bioinformatics 2 (3)
 CSC 444 Advanced Networking (3)
 CSC 451 Embedded Systems 1 (3)
 CSC 452 Embedded Systems 2 (3)
 CSC 455 Internet Programming 2 (3)
 CSC 453 Programming Mobile Devices (3)
 CSC 460 Search and Information Retrieval (3)

Notes for Dutchess Community College - The College of Saint Rose Computer Science B.S Agreement:

- 1) ENG 101 Composition I and SPE 101 Public Speaking at Dutchess Community College CC transfer in as ENG 105 (4 credits) and GEL 001 (2 credits of general elective) to fulfill the L01 liberal education requirement in Expository Writing, Oral Communication and Research at The College of Saint Rose.
- 2) 62 is the maximum number of credits allowed for transfer into The College of Saint Rose. All possible electives are listed in this agreement and the student, along with his/her advisor, should select the most appropriate courses to complete his/her degree while not unnecessarily exceeding the number of credits required for the A.S. degree. **Students are encouraged to use their credits in electives at Dutchess Community College to fulfill liberal education requirements at The College of Saint Rose.**
- 3) CPS 141 from Dutchess Community College will fulfill the L08 liberal education requirement in Computer Science and will also fulfill a requirement in the major.
- 4) The science course completed must include a lab to fulfill the L09 liberal education requirement in Science at The College of Saint Rose.
- 5) Students are required to have a minimum of 2 credits in physical education for graduation, but no more than a maximum of 4 credits.
- 6) A letter grade of C- or higher in each course is required for transfer into The College of Saint Rose. Any completed coursework with a grade lower than a C- will not be transferred.
- 7) This document is valid until the time which either party changes their respective program. At which point review and revision will be required.

* The College of Saint Rose Transfer Equivalency Database and or catalog should be consulted to ensure that selected coursework will fulfill the appropriate Liberal Education Requirement as designated by the "LO" next to the course credits in the "LIBED" column: <http://www.strose.edu/officesandresources/registrar/transferequivalency>

CONTACTS:

The College of Saint Rose:

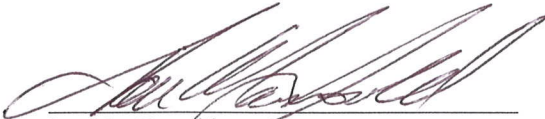
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Dutchess Community College:

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Transfer Coordinator
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(845) 431-8041

SIGNATURES:

The College of Saint Rose



Ian MacDonald
Department Chairperson, Computer Science

7-16-2014
Date



Richard Thompson
Dean, School of Math & Science

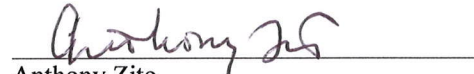
7/16/14
Date



Hadi Salavitabar
Provost/Vice-President for Academic Affairs

7/21/14
Date

Dutchess Community College



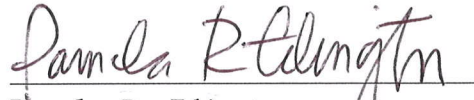
Anthony Zito
Department Head, Mathematics, Physical and Computer
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8/6/14
Date



Jose Adames
Vice President & Dean of Academic Affairs

8-7-14
Date



Pamela R. Edington
President

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Date