COLUMBIA-GREENE COMMUNITY COLLEGE: CYBERSECURITY/DIGITAL FORENSICS A.S.  
THE COLLEGE OF SAINT ROSE: CYBERSECURITY B.S.  

DEGREE REQUIREMENTS

SAINT ROSE REQUIREMENTS:

I. LIBERAL EDUCATION REQUIREMENTS (41 cr.):

L01: Comm. through Reading, Writing, Speaking & Listening (4 cr.)
ENG 105 Expository Writing, Oral Communication & Research Techniques

L02: Study of Language (3 cr.)
Foreign Language, American Sign Language, Linguistics, Or Philosophy of Language

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

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

L05: Artistic Knowledge and Interpretation (3 cr.)
Art, Music, Communications, and Drama

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

L07: Mathematical Reasoning (3 cr.)
Mathematics

L08: Information Technology (3 cr.)
Computers

L09: Scientific Knowledge and Inquiry (4 cr.)
Laboratory Science (Biology, Chemistry, Physics or Earth Science)

L10: Behavioral and Social Sciences 1 (3 cr.)
Economics, Political Science or Business

L11: Behavioral and Social Sciences 2 (3 cr.)
Psychology, Sociology, and Social Work

L12: Wellness and Physical Fitness (2 cr.)
Physical Education

L13: Further Disciplinary Study (3 cr.)
A second liberal education course in a same discipline as a previously taken course.

II. GENERAL ELECTIVES:

MINIMUM TOTAL HOURS REQUIRED: 122

COLUMBIA-GREENE EQUIVALENCIES:

EN 101: Composition (3)

HI 103: US History 1492-1865 (3) OR
HI 104: US History 1865-Present (3)

EN 102: Composition & Literature (3)

HI 101: Western Civ. to 1517 (3) OR
HI 102: Western Civ. 1517 to Present (3)

CJ 102: Introduction to Criminal Justice (3)
AC 102: Managerial Accounting (3)
SO 207: Criminology (3)
Humanities Elective (3)

TOTAL CREDITS TRANSFERRED: 63
III. MAJOR REQUIREMENTS (61cr.):

**Major in Cybersecurity:**

CSC 202 Introduction to Programming (4)  
CSC 317 Forensic Computing (3)  
CSC 318 Applications for Cyber Security (3)  
CSC 321 Database Management (4)  
CSC 325 Practical Cyber Security (3)  
CSC 338 System Administration (3)  
CSC 344 Computer Networks (3)  
CSC 345 Operating System Fundamentals (3)  
CSC 468 Cloud Computing & Virtual Tech (3)  
CSC 470 Cyber Security Case Study: Insider Threat (3)  
CSC 473 Cyber Security Case Study: Internet of Things (3)  
CSC xxx CSC Elective (3)  
MAT 184 Elementary Statistics (4)  
CJS 440 Cyber Law and Criminal Investigation (4)  
CJS xxx CJS Elective (3)  
PSY 110 Foundations of Psychology 1 (3)  
PSY 376 Industrial/Organizational Psychology (3)  
BUS 246 Organizational Behavior (3)  
BUS 362 Human Resource Management (3)

**Columbia-Greene Course Equivalencies:**

CS 126: Introduction to Cyber Security (3)  
CS 241: Computer Forensics (3)  
CS 235: Network Security (3)  
CS 156: Network Essentials (3)  
CS 134: Computer & Information Sci. I (3)  
MA 102: Statistics (3)  
CJ 212: Procedural Criminal Law (3)  
PY 101: General Psychology (3)

**Notes for Columbia-Greene County Community College - The College of Saint Rose Cybersecurity Agreement:**

1) 70 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.

2) 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.

3) This document is valid until the time which either party changes their respective program. At which point review/revision will be required.

4) 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 Requirements as designated by the “L0” next to the course credits.

5) The Transfer Equivalency Database is the most current tool to utilize when determining the transferability of credits into The College of Saint Rose. The Transfer Equivalency Database can be accessed by visiting the link below:

HTTP://WWW.STROSE.EDU/OFFICESANDRESOURCES/REGISTRAR/TRANSFEREQUIVALENCY
Contacts:

The College of Saint Rose:
Rachael French Associate Director:
Transfer Enrollment & Articulations
Undergraduate Admissions
(518) 485-3387

Columbia-Greene Community College:
William Matthews
Professor & Counselor
Office of Counseling, Career & Transfer Services
(518) 828-4181 ext. 3389

SIGNATURES:

The College of Saint Rose

John Vitalle
Department Chair of Computer Science

Carol Doerfer
Acting Vice President & Dean of Academic Affairs

James R. Campion
President

Ian MacDonald
Interim Dean, School of Math and Science

Steven Ralston
Provost/Vice President for Academic Affairs

September 2018
**Columbia Greene Community College: Cyber Security/Digital Forensics A.S.**  
**The College of Saint Rose: Cybersecurity B.S.**

**PLEASE KNOW:** This is an **EXAMPLE** of a plan that a student may follow when transferring from CGCC to The College of Saint Rose for a BS in Cybersecurity. All students must work with advisors at both institutions to ensure satisfactory progress toward the completion of these programs.

<table>
<thead>
<tr>
<th>Year 1 (Columbia Greene Community College)</th>
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<tbody>
<tr>
<td><strong>Semester 1</strong></td>
<td><strong>Semester 2</strong></td>
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<tr>
<td>EN 101- Composition (3)</td>
<td>EN 102- Composition &amp; Literature (3)</td>
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<tr>
<td>CE 101- College Experience (X)*</td>
<td>PY 101- General Psychology (3)</td>
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<tr>
<td>CJ 102- Intro to Criminal Justice (3)</td>
<td>SO 101- Intro to Sociology (3)</td>
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<tr>
<td>CS 126- Intro to Cyber Security (3)</td>
<td>CS156- Network Essentials (3)</td>
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<tr>
<td>CS 134- Computer &amp; Information Sciences I (4)</td>
<td>MA 110 College Algebra (4)</td>
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<tr>
<td>MA 102- Statistics (3)</td>
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<tr>
<th>Year 2 (Columbia Greene Community College)</th>
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<tbody>
<tr>
<td><strong>Semester 3</strong></td>
<td><strong>Semester 4</strong></td>
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<tr>
<td>AC 101- Financial Accounting (3)</td>
<td>AC 102- Managerial Accounting (3)</td>
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<tr>
<td>HI 103/104- US History Selection (3)</td>
<td>HI 101/102- West. Civ. Selection (3)</td>
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<tr>
<td>SC 141- Forensic Science (4)</td>
<td>Humanities Elective (3)</td>
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<tr>
<td>CJ 212- Procedural Criminal Law (3)</td>
<td>SOC 207- Criminology (3)</td>
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<tr>
<td>CS 235- Network Security (3)</td>
<td>CS 241- Computer Forensics (3)</td>
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<td><strong>TOTAL: 16 sh</strong></td>
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<tr>
<th>Year 3 (The College of Saint Rose)</th>
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<tbody>
<tr>
<td><strong>Semester 5</strong></td>
<td><strong>Semester 6</strong></td>
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<tr>
<td>CSC 202: Introduction to Programming (4)</td>
<td>CSC 321: Database (4)</td>
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<tr>
<td>BUS 246: Organizational Behavior (3)</td>
<td>CSC 338: Systems Administration (3)</td>
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<tr>
<td>Study of Language Selection (3)</td>
<td>Philosophy or Religious Studies Selection (3)</td>
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<tr>
<td>Art, Music, Comm., Drama Selection (3)</td>
<td>Physical Education Selection (2)</td>
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<tr>
<td>General Elective (3)</td>
<td>General Elective (3)</td>
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<td><strong>TOTAL: 16 sh</strong></td>
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<tr>
<th>Year 4 (The College of Saint Rose)</th>
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<tbody>
<tr>
<td><strong>Semester 7</strong></td>
<td><strong>Semester 8</strong></td>
</tr>
<tr>
<td>CSC 345: Operating System Fundamentals (3)</td>
<td>CSC 473: Cyber Case Study: Internet of Things (3)</td>
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<tr>
<td>CSC 470: Cyber Case Study: Insider Threat (3)</td>
<td>CSC 468: Cloud Computing &amp; Virtual Tech (3)</td>
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<tr>
<td>BUS 362: Human Resource Management (3)</td>
<td>PSYC 376: Industrial/Org Psychology (3)</td>
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<tr>
<td>CJS 440: Cyber Law &amp; Criminal Investigations (4)</td>
<td>General Elective (3)</td>
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<td>General Elective (3)</td>
<td><strong>TOTAL: 12 sh</strong></td>
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<td><strong>TOTAL: 16 sh</strong></td>
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**NOTES**

* CE 101- College Experience is required for your AS degree, but that credit will not transfer to Saint Rose

Some courses are offered Fall or Spring only, work with an advisor to ensure proper course sequencing