## Addendum 4

**ACADEMIC ARTICULATION AGREEMENT**

*A.S. in Computer & IT Security (CITS.AS) at Springfield Technical Community College, Springfield, MA and B.A. in Computer Information Technology and Security or Computer Science at Elms College, Chicopee, MA*

The above institutions hereby enter into an agreement for the transfer of Springfield Technical Community College graduates from the Computer & IT Security (CITS.AS) degree program into the Elms College Computer Information Technology and Security (CITS) or Computer Science (CS) programs.

**Objectives of this Agreement**

1. To attract qualified students from Springfield Technical Community College to full-time and part-time, on-campus and online program options offered by Elms College.
2. To promote a seamless transition for students from Springfield Technical Community College's Associate's degree in Computer & IT Security to part-time or full-time status in Elms College CITS or CS programs.
3. To provide program information and procedural guidelines to part-time and full-time students at Springfield Technical Community College who plan to enroll in the CITS or CS programs at Elms College.
4. To encourage academic coordination, collaboration, and joint academic advising between the faculty in the Springfield Technical Community College Computer Information Technologies Department and the Elms College Computer Information Technology Department.

**Stipulations of this Agreement**

1. This articulation agreement will be in effect for five years and will be renewable for another five years by consent of Springfield Technical Community College and Elms College. This articulation agreement can be reviewed within 90 days after written notice by either party.
2. Elms College provides the opportunity for students to complete CITS or CS bachelor's degree programs within two years from the date of enrollment.

3. This articulation agreement will be in force, and should be considered the entire agreement, until superseded by a formal contract between Elms College and Springfield Technical Community College that explicitly replaces this agreement.

4. This agreement will apply to Springfield Technical Community College transfer students who have completed an Associate's degree.

5. This agreement guarantees that students who earn an Associate's degree in Computer & IT Security at Springfield Technical Community College will enter Elms B.A. in CITS or CS programs with at least 60 transfer credits. All additional courses taken to satisfy major requirements must meet the standards set by Elms College.

6. Transfer students to the Elms College program may transfer up to a maximum of 78 credits for which students have achieved a "C-" grade or better toward a bachelor's degree in an off-campus program and 75 credits in an on-campus program. Elms College requires that a minimum of 42 credits must be earned as a matriculated Elms College student in an off-campus program. *Please see Section 2.0 Terms of Agreement in MOU.*

7. Springfield Technical Community College students will be given transfer credit for satisfactorily completing Elms College core requirements, general education requirements, and any acceptable equivalent CITS or CS program requirements, up to the maximum allowed for transfer or necessary to satisfy graduation requirements, at time of admission.

**Review and Revision Procedures**

1. Review of this agreement shall take place at least every two years or as needed from the date of the signed agreement.

2. At the request of either party, a review of the contents or implementation of this agreement will be conducted by the programs.

3. Beryl Hoffman, Associate Professor of Computer Science at Elms College and Brian Candido, Chair of Computer Information Technologies at STCC may make changes in the attached list of courses accepted for Elms transfer credit without renegotiating the entire agreement.

**Assistance Provisions**

1. Springfield Technical Community College and Elms College will list this articulation agreement on their websites and in appropriate print documents at their respective institutions.

2. Springfield Technical Community College and Elms College will collaborate in encouraging

qualified students to participate in the CITS or CS programs at Elms College by providing the necessary assistance and supports to assure a seamless transition between the two institutions.

**Mutual Responsibilities**

1. Brian Candido, Chair of Computer Information Technologies and the Transfer Counselor at STCC, will advise students enrolled in the CITS.AS at STCC. The attached list of courses accepted for Elms College transfer credit assures maximum transfer of credits that meet the core requirements of Elms College and CITS or CS program requirements.

2. Beryl Hoffman, Associate Professor of Computer Science at Elms College, along with the Associate Director of Admissions for full-time traditional students and the onsite Program Coordinator at STCC from the School of Graduate and Professional Studies will advise and assist transfer applicants in compiling the required credentials for transfer to the CITS or CS programs.

3. Transfer applicants from Springfield Technical Community College applying under this agreement shall be eligible for Elms College financial aid and housing consideration as appropriate to the selected Computer Information Technology and Security program option based on full time or part time status.

4. The final acceptance of online and off-campus applicants comes from the Assistant Director of Undergraduate Admissions in the School of Graduate and Professional Studies at Elms College. The final acceptance of full time applicants to traditional day programs comes from Joseph Wagner, Director of Admissions at Elms College.

**April 4, 2019**

**ELMS COLLEGE**

**Harry E. Dumay, Ph.D.**

President

**Walter Breau, Ph.D.**

Vice President of Academic Affairs

**Elizabeth Hukowicz, Ed.D.**

Dean of School of Graduate and Professional Studies

**Beryl Hoffman, Ph.D**

Associate Professor, Computer Science

**SPRINGFIELD TECHNICAL COMMUNITY COLLEGE**

**John B. Cook, Ph.D.**

President

**Geraldine de Berly, Ph.D.**

Vice President of Academic Affairs

**Matthew Gravel, Ed.M.**

Dean of Academic Initiatives

**Brian Candido, M.Ed.**

Professor and Chair, Computer Information

## SPRINGFIELD TECHNICAL COMMUNITY COLLEGE CIT.AS 2018-19

## COURSE SEQUENCE FOR FULL-TIME TRANSFER TO ELMS

| YEAR ONE, SEMESTER ONE | | | |
|---|---|---|---|
| **Course Title and Number** | **Course Description** | **Credits** | **Equivalent at Elms** |
| CIT 101 | CIT Foundations | 3 | CIT122 Concept Design |
| ENG 101 | English Composition 1 | 3 | Satisfies ENG101 Rhetoric |
| CMP 106 | Computer Basics | 3 | CIT101 Intro to Computers |
| CIT 115 or CIT 110 | Python Programming or C# programming | 3 | CIT123 Intro to Programming |
| CIT 115L or CIT 110L | Programming Lab | 1 | CIT Elective |
| EL-MATH | General Math Elective 100 Level or Higher | 3 | Satisfies Math Requirement |
| | | **TOTAL CREDITS 16** | |
| **YEAR ONE, SEMESTER TWO** | | | |
| **Course Title and Number** | **Course Description** | **Credits** | **Equivalent at Elms** |
| CIT-130 | UNIX1 | 3 | CIT 320 System Admin |
| CIT-120 | Windows 1 | 3 | CIT Elective |
| CIT 160 | Networks 1 | 3 | CIT214 Networks and Security |
| EL-MATH | General Math Elective 100 Level or Higher | 3 | Satisfies Math Requirement |
| ENG 102 | English Composition 2 | 3 | Satisfies Literature Requirement |
| | | **TOTAL CREDITS 15** | |

| YEAR TWO, SEMESTER THREE | | | |
|---|---|---|---|
| **Course Title and Number** | **Course Description** | **Credits** | **Equivalent at Elms** |
| CIT-161 | Networks 2 | 3 | CIT 319 Network Administration |
| CIT-250 | Internet/Network Security | 3 | CIT Elective |
| EL-HUM | General Humanities Elective | 3 | Satisfies Humanities Requirement |
| CIT-121<br>or<br>CIT-201/CIT201L<br>or<br>CIT-225/CIT-225L<br>or<br>CIT-131 | Windows<br>or<br>Database Systems/Lab<br>or<br>Computer Maintenance A+/Lab<br>or<br>UNIX 2 | 6-8 | CIT ELECTIVE or CIT215 Database Design and Management/CIT ELECTIVE<br>or<br>CIT301 A+ Certification: Hardware Maintenance/CIT ELECTIVE<br>or<br>CIT ELECTIVE |
| | | **TOTAL 15-16 Credits** | |
| **YEAR TWO. SEMESTER FOUR** | | | |
| **Course Title and Number** | **Course Description** | **Credits** | **Equivalent at Elms** |
| CIT-251 | Internet/Network Security 2 | 3 | CIT ELECTIVE |
| CIT-252 | Advanced Security Topics | 3 | CIT ELECTIVE |
| CIT-162 | Networks 3 | 3 | CIT ELECTIVE |
| EL-SOC | General Behavioral/Social Science Elective | 3 | Satisfies 3 credits of Social Science Requirement |
| EL-GED | General Education Elective | 3 | May satisfy additional social science or science requirement |
| | | **TOTAL 15** | |
| **Total (CIT.AS) Curriculum Program Credits** | | | **PROGAM TOTAL 61 – 64 CREDITS** |

## STCC CITS-AS Transfer Eligible Equivalent Courses to Elms CIT Program

| **STCC CITS Courses** (Major Requirements) | **Equivalent Elms CIT Courses** (Major Requirements) |
|---|---|
| CIT-101 - CIT Foundations | CIT 122 Concept Design |
| CIT-110 - C# Programming 1 (3 credits)<br>CIT-110L - Lab: C# Programming 1 (1 credit)<br>Or CIT 115 Python Programming (3 credits)<br>And CIT 115L Lab: Python Programming (1 credit) | CIT 213 Intro to Programming (3 credits) + CIT elective (1 credit) |
| CMP-106 - Computer Basics: Concepts & Applications | CIT 101 Introduction to Computers |
| CIT-130 - UNIX 1 3 credits | CIT Elective (3 credits) |
| CIT-131 - UNIX 2 3 credits | CIT 320 System Administration (3 credits) |
| CIT-120 - Windows 1 3 credits | CIT Elective (3 credits) |
| CIT-121 - Windows 2 3 credits | CIT Elective (3 credits) |
| CIT-160 - Networks 1 3 credits | CIT 214 Networks and Security |
| CIT-161 - Networks 2 3 credits | CIT 319 Network Administration |
| CIT-162 - Networks 3 3 credits | CIT Elective |
| CIT-250 - Internet/Network Security 1 3 credits | CIT Elective |
| CIT-251 - Internet/Network Security 2 3 credits | CIT Elective |

| | |
|---|---|
| CIT-252 - Advanced Security Topics 3 credits | CIT Elective |
| CIT-201 - Database Systems 3 credits<br><br>CIT-201L - Lab: Database Systems 1 credits | CIT 215 Database Design and Management (3 credits) +<br>1 credit CIT Elective |
| CIT-225 - Computer Maintenance A+ 3 credits<br><br>CIT-225L - Lab: Computer Maintenance A+ 1 credits | CIT 301 A+ Certification: Hardware Maintenance (3 credits) +<br>1 credit CIT Elective |
| CIT-215 - Java Programming 3 credits<br><br>CIT-215L - Lab: Java Programming 1 credits | CIT 315 Advanced Programming (3 credits) +<br><br>1 credit CIT elective |

**Courses required to finish the Elms CITS major:**

STCC CITS graduates will need to take the following 5-6 courses (15-18 credits) to finish the Elms CITS degree:

- CIT 106 Cyber Ethics
- CIT 215 Database Design and Management or CIT 301 A+ Certification if not already taken
- CIT 256 Web Design
- CIT 345 Digital Forensics
- CIT 475 Security Capstone
- CIT 482 Internship

**Courses required to finish the Elms CS major:**

STCC CITS graduates may also be interested in the Elms Computer Science Major. They will need to take the following 8-9 courses (24-27 credits) to finish the Elms CS degree:

- CIT 106 Cyber Ethics
- CIT 215 Database Design and Management if not already taken
- CIT 256 Web Design
- CIT 312 Advanced Programming
- CIT 332 Data Structures and Algorithms
- CIT 366 Web Programming
- CIT 423 Professional Programming Project
- MAT 370 Foundations of Mathematics/Discrete Math
- CIT 482 Internship

**Elms Liberal Arts Core Requirements:**

Elms College's Liberal Arts Core requirements are Rhetoric (Composition), one Literature, one Philosophy, one Religion, one History, one Math, one Science, and two Social Sciences. STCC CITS graduates will transfer Composition, Literature, Social Science, and Math and will typically have 5 liberal arts core requirements left to take at Elms. Foreign language and PED requirements are waived for students transferring with an associate's degree.

**Course Schedule after transferring to complete CITS Degree at Elms College:**
(Up to 75 credits may be transferred into on-campus programs and up to 78 credits may be transferred into off-campus and online programs.)

**On Elms Campus:** Students transferring 75 credits to the main campus in regular semesters can finish their degrees in CITS in 3 15-week semesters (45 credits). Students transferring 60 credits will need 1 more semester of electives.

| Junior Fall Semester | Junior Spring Semester |
|---|---|
| • CIT 215 Databases or CIT 301 A+ Certification<br>• CIT 345 Digital Forensics<br>• 3 Liberal Arts Core requirements | • CIT 106 Cyber Ethics<br>• CIT 256 Web Design<br>• 2 Liberal Arts Core requirements<br>• 1 Elective |
| **Senior Fall Semester** | **Senior Spring Semester** |
| • CIT 482 Internship<br>• CIT 475 Security Capstone<br>• 3 Electives | Additional electives only needed if transferring in less than 75 credits. |