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**PROGRAM-TO-PROGRAM ARTICULATION AGREEMENT**

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WAUKESHA  
COUNTY TECHNICAL  
COLLEGE

**Waukesha County Technical College**

**Associate of Applied Science**

Information Technology



UNIVERSITY OF WISCONSIN  
**WHITEWATER**

**University of Wisconsin-Whitewater**

**Bachelor of Science- Cybersecurity**

Cyber Operations Emphasis

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## **1. Purpose of Articulation Agreement**

This articulation agreement establishes a cooperative relationship between the University of Wisconsin-Whitewater (UW-W) and Waukesha County Technical College (WCTC), effective for students starting the Bachelor of Science, Cybersecurity-Cyber Operations Emphasis program, in or after the spring of 2022, which will assist both schools to better serve the educational needs of transfer students.

This Agreement and any amendments and supplements, shall be interpreted pursuant to the guidelines set forth in the University of Wisconsin System Administrative Policy 140, Guidelines for Articulation Agreements between UW System Institutions and WTCS Districts as well as Administrative Policy 135 Undergraduate Transfer Policy. Both institutions agree to maintain accreditation by the Higher Learning Commission and any other accreditation currently in existence pertaining to degree programs articulated via the transfer agreement.

Students transferring under the guidelines of this articulation agreement must:

- 1.1. successfully complete the Associate of Applied Science-Information Technology degree program in one of the following areas: Front End Web Development, Cybersecurity Specialist, Data Specialist, Network Specialist, Web and Software Developer or Computer Support Specialist
- 1.2. earn a cumulative GPA of a 2.0 (on a 4.0 scale), including coursework from other institutions (if appropriate), and according to UW-W repeat policy\_ <https://www.uww.edu/registrar/policies#repeats>
- 1.3. have applied to and are successfully admitted into UW-W (*all UW-W application deadlines apply*) beginning spring 2022 and any subsequent terms
  - 1.3.1. declare a major of Cybersecurity-Cyber Operations Emphasis  
*\*students will need to indicate Cyber Operations Emphasis intent in the personal statement section of the UW-W E-Application*

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**PROGRAM ARTICULATION TABLE**

|                                       | <b>Waukesha County Technical College</b> | <b>University of Wisconsin-Whitewater</b> |
|---------------------------------------|--|---|
| <b>Program Name</b>                   | Information Technology                   | Cybersecurity-Cyber Operations Emphasis   |
| <b>Award Type (e.g., AAS)</b>         | Associate of Applied Science             | Bachelor of Science                       |
| <b>Credit Length</b>                  | 61-64                                    | 120 Minimum Credits                       |
| <b>Program Admission Requirements</b> |  | 2.0 Minimum Cumulative GPA                |

**SECTION A.1 - General Studies**

| <b>WCTC</b>                       |                                |                |                | <b>UW-W</b>                       |                              |                |                        |                      |
|-----------------------------------|--------------------------------|----------------|----------------|-----------------------------------|------------------------------|----------------|------------------------|----------------------|
| <b>Course Prefix &amp; Number</b> | <b>Course Name</b>             | <b>GE Area</b> | <b>Credits</b> | <b>Course Prefix &amp; Number</b> | <b>Course Name</b>           | <b>GE Area</b> | <b>Credits Applied</b> | <b>Equip Sub Wav</b> |
| <b>General Education</b>          |                                |                |                |                                   |                              |                |                        |                      |
| 801-136                           | English Composition I          |                | 3              | ENGLISH 101                       | College Writing & Reading    |                | 3                      |                      |
| 801-196                           | Oral/Interpersonal Comm        |                | 3              | COMM 9999S                        | Comm Elective                | GS             | 3                      |                      |
| 801-197                           | Technical Reporting            |                | 3              | ENGLISH 999                       | English Elective             |                | 3                      |                      |
| 801-198                           | Speech                         |                | 3              | COMM 110                          | Intro to Public Speaking     |                | 3                      |                      |
| 804-133                           | Math & Logic                   |                | 3              | MATH 999                          | Math Elective                |                | 3                      | **Math 41            |
| 804-189                           | Introductory Stats             |                | 3              | STAT 101                          | Elementary Statistics        |                | 3                      | **Math 140           |
| 804-195                           | <b>*College Algebra W Apps</b> |                | <b>3</b>       | <b>MATH 142</b>                   | <b>College Algebra</b>       |                | <b>3</b>               |                      |
| 809-143                           | Microeconomics                 |                | 3              | ECON 201                          | Principles of Microeconomics | GS             | 3                      |                      |
| 809-195                           | Economics                      |                | 3              | ECON 9999S                        | Economics Elective           | GS             | 3                      |                      |
| 809-196                           | Intro to Sociology             |                | 3              | SOCIOLOGY 240                     | Principles of Sociology      | GS             | 3                      |                      |
| 809-199                           | Psychology of Human Relations  |                | 3              | PSYCH 104                         | Psych of Human Adjustment    | GW             | 3                      |                      |
| 890-108                           | Employment Success             |                | 1              | LSINDP 999                        | Lsindp Elective              |                | 1                      |                      |

**Special Notes:** \* This course is not part of the WCTC IT curriculum, however it is suggested to complete prior to enrollment at UW-W. \*\* Math 41 and Math 140 are waived upon completion of 804-133 and 804-189.

**Special Notes:** General Education courses listed are part of Waukesha County Technical College A.A.S. Information Technology curriculum. Additional General Education coursework required by UW-W is determined upon admission and based on all transferrable work from all institutions attended. View general education requirements here: <http://www-public.courseleaf.com/undergraduate/general-information/general-education/#electivestext>

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**SECTION B.1 – IT - Web and Software Developer**

| <b>WCTC: IT - Web and Software Developer</b>   |  |           | <b>UW-W Cybersecurity-Cyber Operations Emphasis</b> |                      |  |           |
|--|--|-----------|---|----------------------|--|-----------|
| <b>152-112</b>   | Intro to Programming with C#                   | 3         | COMPSCI 172   | Introduction to Java | 3  |           |
| <b>152-130 AND 152-131</b>   | Introduction to Java and Software Architecture | 2         | COMPSCI 999   | Compsci Elective     | 1  |           |
|  |  | 2         | COMPSCI 220   | Intermediate Java    | 3  |           |
|  | Degree Completion                              | 18        | Major - Applied Technical Skills Requirement        |                      | 18   |           |
|  | Degree Completion                              | 20        | Electives Towards Graduation                        |                      | 20   |           |
| <b>Major, Emphasis, Unrestricted Electives Total</b>   |  | <b>45</b> | <b>Section B Subtotal</b>                           |                      | <b>45</b>                                      |           |
| <b>General Studies Requirements for IT-Web and Software Developer (Section A)</b>  |  | <b>19</b> | <b>Section A Subtotal</b>                           |                      | <b>19</b>                                      |           |
|  |  |           |   |                      | <b>Total Technical College Credits Applied</b> | <b>64</b> |
| <b>Special Notes, if any:</b> Degree completion credits earned will be applied in a block equivalency. Grades will appear as "S" for satisfactory on the evaluation of transfer credits. |  |           |   |                      |  |           |

**SECTION B.2 – IT - Cybersecurity Specialist**

| <b>WCTC: IT-Cybersecurity Specialist</b>   |   |           | <b>UW-W Cybersecurity-Cyber Operations Emphasis</b> |   |  |           |
|--|---|-----------|---|---|--|-----------|
| <b>151-103 AND 151-104</b>   | Firewall Security and Intrusion Detection                       | 3         | COMPSCI 999   | Compsci Elective                          | 3  |           |
|  |   | 3         | COMPSCI 354   | Intrusion Detection and Incident Response | 3  |           |
| <b>150-164 AND 150-188</b>   | Intro to Bash Shell Scripting and Linux Essentials              | 1         | COMPSCI 999   | Compsci Elective                          | 1  |           |
|  |   | 3         | COMPSCI 481   | Web Server and Unix Administration        | 3  |           |
| <b>150-117 AND 150-118</b>   | Introduction to Cisco Networks and Switching Routing & Wireless | 3         | COMPSCI 999   | Compsci Elective                          | 3  |           |
|  |   | 3         | MISC 999ST  | Special Transfer Course                   | 3  |           |
| <b>150-137</b>   | MS Server   | 3         | MISC 999ST  | Special Transfer Course                   | 3  |           |
| <b>151-107</b>   | Web Application Security  | 3         | COMPSCI 441   | Web Security                              | 3  |           |
| <b>151-105</b>   | Digital Forensics   | 3         | COMPSCI 342   | Digital Forensics                         | 3  |           |
| <b>150-157</b>   | Security II   | 3         | CYBER 101   | Introduction to Cybersecurity             | 3  |           |
|  | Degree Completion   | 18        | Major - Applied Technical Skills Requirement        |   | 18   |           |
|  | Degree Completion   | 1         | Electives Towards Graduation                        |   | 1  |           |
| <b>Major, Emphasis, Unrestricted Electives Total</b>                             |   | <b>47</b> | <b>Section B Subtotal</b>                           |   | <b>47</b>                                      |           |
| <b>General Studies Requirements for IT- Cybersecurity Specialist (Section A)</b> |   | <b>16</b> | <b>Section A Subtotal</b>                           |   | <b>16</b>                                      |           |
|  |   |           |   |   | <b>Total Technical College Credits Applied</b> | <b>63</b> |

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**SECTION B.3 – IT - Data Specialist**

| <b>WCTC: IT-Data Specialist</b>  |                              |           | <b>UW-W Cybersecurity-Cyber Operations Emphasis</b> |                          |  |           |
|--|------------------------------|-----------|---|--------------------------|--|-----------|
| <b>152-112</b>   | Intro to Programming with C# | 3         | COMPSC 172  | Introductory Programming | 3  |           |
|  | Degree Completion            | 18        | Major - Applied Technical Skills Requirement        |                          | 18   |           |
|  | Degree Completion            | 23        | Electives Towards Graduation                        |                          | 23   |           |
| <b>Major, Emphasis, Unrestricted Electives Total</b>                       |                              | <b>44</b> | <b>Section B Subtotal</b>                           |                          | <b>44</b>                                      |           |
| <b>General Studies Requirements for IT-Database Specialist (Section A)</b> |                              | <b>19</b> | <b>Section A Subtotal</b>                           |                          | <b>19</b>                                      |           |
|  |                              |           |   |                          | <b>Total Technical College Credits Applied</b> | <b>63</b> |

**Special Notes, if any:** Degree completion credits earned will be applied in a block equivalency. Grades will appear as "S" for satisfactory on the evaluation of transfer credits.

**SECTION B.4 – IT - Network Specialist**

| <b>WCTC: IT-Network Specialist</b>   |   |           | <b>UW-W Cybersecurity-Cyber Operations Emphasis</b> |  |  |           |
|--|---|-----------|---|--|--|-----------|
| <b>150-164 AND 150-188</b>   | Intro to Bash Shell Scripting and Linux Essentials              | 1<br>3    | COMPSCI 999<br>COMPSCI 481                          | CompSci Elective<br>Web Server and Unix Administration | 1<br>3   |           |
| <b>150-117 AND 150-118</b>   | Introduction to Cisco Networks Switching and Routing & Wireless | 3<br>3    | COMPSCI 999<br>MISC 999ST                           | CompSci Elective<br>Special Transfer Course            | 3<br>3   |           |
| <b>150-137</b>   | MS Server   | 3         | MISC 999ST  | Special Transfer Course                                | 3  |           |
|  | Degree Completion   | 18        | Major - Applied Technical Skills Requirement        |  | 18   |           |
|  | Degree Completion   | 11        | Electives Towards Graduation                        |  | 11   |           |
| <b>Major, Emphasis, Unrestricted Electives Total</b>                       |   | <b>42</b> | <b>Section B Subtotal</b>                           |  | <b>42</b>                                      |           |
| <b>General Studies Requirements for IT- Network Specialist (Section A)</b> |   | <b>19</b> | <b>Section A Subtotal</b>                           |  | <b>19</b>                                      |           |
|  |   |           |   |  | <b>Total Technical College Credits Applied</b> | <b>61</b> |

**Special Notes, if any:** Degree completion credits earned will be applied in a block equivalency. Grades will appear as "S" for satisfactory on the evaluation of transfer credits.

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**SECTION B.5- Front End Web Development**

| <b>WCTC: Front End Web Development</b>                                      |    | <b>UW-W Cybersecurity-Cyber Operations Emphasis</b> |    |
|---|----|---|----|
| Degree Completion   | 18 | Major - Applied Technical Skills Requirement        | 18 |
| Degree Completion   | 26 | Electives Towards Graduation                        | 26 |
| <b>Major, Emphasis, Unrestricted Electives Total</b>                        |    | <b>Section B Subtotal</b>                           | 44 |
| <b>General Studies Requirements for Front End Web Developer (Section A)</b> |    | <b>Section A Subtotal</b>                           | 19 |
|   |    | <b>Total Technical College Credits Applied</b>      | 63 |

**Special Notes, if any:** Degree completion credits earned will be applied in a block equivalency. Grades will appear as "S" for satisfactory on the evaluation of transfer credits.

**SECTION B.6 - IT- Computer Support Specialist**

| <b>WCTC: IT- Computer Support Specialist</b>  |           | <b>UW-W Cybersecurity-Cyber Operations Emphasis</b> |  |    |
|---|-----------|---|--|----|
| <b>150-137</b>  | MS Server | 3   | MISC 999ST Special Transfer Course           | 3  |
| Degree Completion   |           | 18  | Major - Applied Technical Skills Requirement | 18 |
| Degree Completion   |           | 21  | Electives Towards Graduation                 | 21 |
| <b>Major, Emphasis, Unrestricted Electives Total</b>                                |           | <b>Section B Subtotal</b>                           | 42   |    |
| <b>General Studies Requirements for IT- Computer Support Specialist (Section A)</b> |           | <b>Section A Subtotal</b>                           | 19   |    |
|   |           | <b>Total Technical College Credits Applied</b>      | 61   |    |

**Special Notes, if any:** Degree completion credits earned will be applied in a block equivalency. Grades will appear as "S" for satisfactory on the evaluation of transfer credits.

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**SECTION C.1 – Remaining Cybersecurity- Cyber Operation Emphasis Major Courses at UW-W**

**WCTC: IT - Web and Software Developer**

| WCTC Equivalent<br>(if applicable)                                  | WCTC Course Name | Credit<br>Amount | UW-W Course<br>Number                   | UW-W Course Name  | Credit<br>Amount |
|---|------------------|------------------|---|---|------------------|
| <b>Unique Requirements 9 credits (6 remaining credits needed):</b>  |                  |                  |   |   |                  |
|   |                  |                  | COMPSI 215 or MATH<br>280               | Discrete Structures or Discrete Mathematics                   | 3                |
|   |                  |                  | ENGLISH 370 or 371<br>or 372            | Technical Writing   | 3                |
| <b>Major Requirements 54 credits (33 remaining credits needed):</b> |                  |                  |   |   |                  |
|   |                  |                  | CYBER 101                               | Introduction to Cybersecurity                                 | 3                |
|   |                  |                  | COMPSCI 271                             | Computer Organization and Assembly<br>Programming             | 3                |
|   |                  |                  | ITSCM 331 or<br>COMPSCI 481             | System Administration /<br>Web Server and Unix Administration | 3                |
|   |                  |                  | ITSCM 332 or<br>COMPSCI 460             | Network Administration /<br>Computer Networking               | 3                |
|   |                  |                  | COMPSCI 353                             | Cybersecurity Law and Policy                                  | 3                |
|   |                  |                  | COMPSCI 354                             | Intrusion Detection and Incident Response                     | 3                |
|   |                  |                  | *COMPSCI 455                            | Cryptography and Network Security                             | 3                |
|   |                  |                  | ITSCM 452                               | Information Assurance and Security                            | 3                |
|   |                  |                  | CYBER 459                               | Systems Security Engineering                                  | 3                |
|   |                  |                  | Remaining elective credits in the major |   | 6                |

**Special Notes, if any:** \*COMPSCI 223 is a pre-requisite to COMPSCI 455 and is required for all students. COMPSCI 223 can be taken to fulfill 3 credits of elective coursework.

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**SECTION C.2 – Remaining Cybersecurity- Cyber Operation Emphasis Major Courses at UW-W**

**WCTC: IT-Cybersecurity Specialist**

| WCTC Equivalent<br>(if applicable)                                  | WCTC Course Name | Credit<br>Amount | UW-W Course<br>Number                   | UW-W Course Name                                  | Credit<br>Amount |
|---|------------------|------------------|---|---|------------------|
| <b>Unique Requirements 9 credits (9 remaining credits needed):</b>  |                  |                  |   |   |                  |
|   |                  |                  | COMPSCI 172 or<br>174                   | Introductory Programming                          | 3                |
|   |                  |                  | COMPSI 215 or<br>MATH 280               | Discrete Structures/ Discrete Mathematics         | 3                |
|   |                  |                  | ENGLISH 370 or<br>371 or 372            | Technical Writing                                 | 3                |
| <b>Major Requirements 54 credits (18 remaining credits needed):</b> |                  |                  |   |   |                  |
|   |                  |                  | COMPSCI 220 or<br>222                   | Intermediate Programming                          | 3                |
|   |                  |                  | COMPSCI 271                             | Computer Organization and Assembly<br>Programming | 3                |
|   |                  |                  | COMPSCI 353                             | Cybersecurity Law and Policy                      | 3                |
|   |                  |                  | *COMPSCI 455                            | Cryptography and Network Security                 | 3                |
|   |                  |                  | ITSCM 452                               | Information Assurance and Security                | 3                |
|   |                  |                  | CYBER 459                               | Systems Security Engineering                      | 3                |
|   |                  |                  | Remaining elective credits in the major |   | 0                |

**Special Notes, if any:** \*COMPSCI 223 is a pre-requisite to COMPSCI 455 and is required for all students. COMPSCI 223 can be taken to fulfill 3 credits of elective coursework.

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**SECTION C.3 – Remaining Cybersecurity- Cyber Operation Emphasis Major Courses at UW-Whitewater**

**WCTC: IT-Data Specialist**

| WCTC Equivalent (if applicable)  | WCTC Course Name | Credit Amount | UW-W Course Number                      | UW-W Course Name   | Credit Amount |
|--|------------------|---------------|---|--|---------------|
| <b>Unique Requirements 9 credits (6 remaining credits needed):</b>   |                  |               |   |  |               |
|  |                  |               | COMPSCI 215 or MATH 280                 | Discrete Structures/ Discrete Mathematics                  | 3             |
|  |                  |               | ENGLISH 370 or 371 or 372               | Technical Writing  | 3             |
| <b>Major Requirements 54 credits (36 remaining credits needed):</b>  |                  |               |   |  |               |
|  |                  |               | CYBER 101                               | Introduction to Cybersecurity                              | 3             |
|  |                  |               | COMPSCI 220 or 222                      | Intermediate Programming                                   | 3             |
|  |                  |               | COMPSCI 271                             | Computer Organization and Assembly Programming             | 3             |
|  |                  |               | ITSCM 331 or COMPSCI 481                | System Administration / Web Server and Unix Administration | 3             |
|  |                  |               | ITSCM 332 or COMPSCI 460                | Network Administration / Computer Networking               | 3             |
|  |                  |               | COMPSCI 353                             | Cybersecurity Law and Policy                               | 3             |
|  |                  |               | COMPSCI 354                             | Intrusion Detection and Incident Response                  | 3             |
|  |                  |               | *COMPSCI 455                            | Cryptography and Network Security                          | 3             |
|  |                  |               | ITSCM 452                               | Information Assurance and Security                         | 3             |
|  |                  |               | CYBER 459                               | Systems Security Engineering                               | 3             |
|  |                  |               | Remaining elective credits in the major |  | 6             |
| <b>Special Notes, if any:</b> *COMPSCI 223 is a pre-requisite to COMPSCI 455 and is required for all students. COMPSCI 223 can be taken to fulfill 3 credits of elective coursework. |                  |               |   |  |               |



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**SECTION C.4 – Remaining Cybersecurity- Cyber Operation Emphasis Major Courses at UW-Whitewater**

**WCTC: IT-Network Specialist**

| WCTC Equivalent<br>(if applicable)                                  | WCTC Course Name | Credit<br>Amount | UW-W Course<br>Number                   | UW-W Course Name                                  | Credit<br>Amount |
|---|------------------|------------------|---|---|------------------|
| <b>Unique Requirements 9 credits (9 remaining credits needed):</b>  |                  |                  |   |   |                  |
|   |                  |                  | COMPSCI 172 or<br>174                   | Introductory Programming                          | 3                |
|   |                  |                  | COMPSCI 215 or<br>MATH 280              | Discrete Structures/ Discrete Mathematics         | 3                |
|   |                  |                  | ENGLISH 370 or<br>371 or 372            | Technical Writing                                 | 3                |
| <b>Major Requirements 54 credits (30 remaining credits needed):</b> |                  |                  |   |   |                  |
|   |                  |                  | CYBER 101                               | Introduction to Cybersecurity                     | 3                |
|   |                  |                  | COMPSCI 220 or<br>222                   | Intermediate Programming                          | 3                |
|   |                  |                  | COMPSCI 271                             | Computer Organization and Assembly<br>Programming | 3                |
|   |                  |                  | COMPSCI 353                             | Cybersecurity Law and Policy                      | 3                |
|   |                  |                  | COMPSCI 354                             | Intrusion Detection and Incident Response         | 3                |
|   |                  |                  | *COMPSCI 455                            | Cryptography and Network Security                 | 3                |
|   |                  |                  | ITSCM 452                               | Information Assurance and Security                | 3                |
|   |                  |                  | CYBER 459                               | Systems Security Engineering                      | 3                |
|   |                  |                  | Remaining elective credits in the major |   | 6                |

**Special Notes, if any:** \*COMPSCI 223 is a pre-requisite to COMPSCI 455 and is required for all students. COMPSCI 223 can be taken to fulfill 3 credits of elective coursework.

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**SECTION C.5 – Remaining Cybersecurity- Cyber Operation Emphasis Major Courses at UW-Whitewater**

**WCTC: Front End Web Development**

| WCTC Equivalent<br>(if applicable)                                  | WCTC Course Name | Credit<br>Amount | UW-W Course<br>Number                   | UW-W Course Name  | Credit<br>Amount |
|---|------------------|------------------|---|---|------------------|
| <b>Unique Requirements 9 credits (9 remaining credits needed):</b>  |                  |                  |   |   |                  |
|   |                  |                  | COMPSCI 172 or<br>174                   | Introductory Programming                                      | 3                |
|   |                  |                  | COMPSI 215 or<br>MATH 280               | Discrete Structures/ Discrete Mathematics                     | 3                |
|   |                  |                  | ENGLISH 370 or<br>371 or 372            | Technical Writing   | 3                |
| <b>Major Requirements 54 credits (36 remaining credits needed):</b> |                  |                  |   |   |                  |
|   |                  |                  | CYBER 101                               | Introduction to Cybersecurity                                 | 3                |
|   |                  |                  | COMPSCI 220 or<br>222                   | Intermediate Programming                                      | 3                |
|   |                  |                  | COMPSCI 271                             | Computer Organization and Assembly<br>Programming             | 3                |
|   |                  |                  | ITSCM 331 or<br>COMPSCI 481             | System Administration /<br>Web Server and Unix Administration | 3                |
|   |                  |                  | ITSCM 332 or<br>COMPSCI 460             | Network Administration /<br>Computer Networking               | 3                |
|   |                  |                  | COMPSCI 353                             | Cybersecurity Law and Policy                                  | 3                |
|   |                  |                  | COMPSCI 354                             | Intrusion Detection and Incident Response                     | 3                |
|   |                  |                  | *COMPSCI 455                            | Cryptography and Network Security                             | 3                |
|   |                  |                  | ITSCM 452                               | Information Assurance and Security                            | 3                |
|   |                  |                  | CYBER 459                               | Systems Security Engineering                                  | 3                |
|   |                  |                  | Remaining elective credits in the major |   | 6                |

**Special Notes, if any:** \*COMPSCI 223 is a pre-requisite to COMPSCI 455 and is required for all students. COMPSCI 223 can be taken to fulfill 3 credits of elective coursework.

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**SECTION C.6 – Remaining Cybersecurity- Cyber Operation Emphasis Major Courses at UW-Whitewater**

**WCTC: IT- Computer Support Specialist**

| WCTC Equivalent<br>(if applicable)                                  | WCTC Course Name | Credit<br>Amount | UW-W Course<br>Number                   | UW-W Course Name                                  | Credit<br>Amount |
|---|------------------|------------------|---|---|------------------|
| <b>Unique Requirements 9 credits (9 remaining credits needed):</b>  |                  |                  |   |   |                  |
|   |                  |                  | COMPSCI 172 or<br>174                   | Introductory Programming                          | 3                |
|   |                  |                  | COMPSCI 215 or<br>MATH 280              | Discrete Structures/ Discrete Mathematics         | 3                |
|   |                  |                  | ENGLISH 370 or<br>371 or 372            | Technical Writing                                 | 3                |
| <b>Major Requirements 54 credits (33 remaining credits needed):</b> |                  |                  |   |   |                  |
|   |                  |                  | CYBER 101                               | Introduction to Cybersecurity                     | 3                |
|   |                  |                  | COMPSCI 220 or<br>222                   | Intermediate Programming                          | 3                |
|   |                  |                  | COMPSCI 271                             | Computer Organization and Assembly<br>Programming | 3                |
|   |                  |                  | ITSCM 332 or<br>COMPSCI 460             | Network Administration /<br>Computer Networking   | 3                |
|   |                  |                  | COMPSCI 353                             | Cybersecurity Law and Policy                      | 3                |
|   |                  |                  | COMPSCI 354                             | Intrusion Detection and Incident Response         | 3                |
|   |                  |                  | *COMPSCI 455                            | Cryptography and Network Security                 | 3                |
|   |                  |                  | ITSCM 452                               | Information Assurance and Security                | 3                |
|   |                  |                  | CYBER 459                               | Systems Security Engineering                      | 3                |
|   |                  |                  | Remaining elective credits in the major |   | 6                |

**Special Notes, if any:** \*COMPSCI 223 is a pre-requisite to COMPSCI 455 and is required for all students. COMPSCI 223 can be taken to fulfill 3 credits of elective coursework.

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**PROGRAM-TO-PROGRAM ARTICULATION AGREEMENT**

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WAUKESHA  
COUNTY TECHNICAL  
COLLEGE

**Waukesha County Technical College**

**Associate of Applied Science**

Information Technology



UNIVERSITY OF WISCONSIN  
**WHITEWATER**

**University of Wisconsin-Whitewater**

**Bachelor of Science- Cybersecurity**

Cyber Operations Emphasis

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## 2. University/General Education Requirements

- 2.1. The UW-W baccalaureate candidate must meet UW-W's Bachelor of Science degree and graduation requirements, including general education requirements. <http://uww-public.courseleaf.com/undergraduate/letters-sciences/#degreerequirementstext>
- 2.2. Elective courses taken or substituted at the sending institution and sending program not listed in this agreement will be reviewed on a case-by-case basis and determined how they may apply to the degree at the receiving institution.
  - 2.2.1. Entering students may apply general education credits toward satisfying UW-W general education requirements as specified in Transferology: <https://www.transferology.com/school/uww>
- 2.3. Regardless of major, a minimum of 25% of the major course units and 25% of the minor course units must be completed at UW-W.
- 2.4. A minimum of 30 units of UW-W coursework is required to qualify for an undergraduate degree. At least 15 of these 30 units must be taken at UW-W immediately prior to graduation
- 2.5. The maximum number of credits that can be transferred from all two-year transfer institutions to UW-W is 72.

## 3. Additional Conditions

- 3.1. Program to Program transfer courses/credits are accepted only for the degree specified in this agreement. **A change of major invalidates these courses/credits for transfer** unless they are approved within some other Program to Program Articulation Agreement for a different major at UW-W.
- 3.2. **Degree must be posted on official transcript** to receive credits from the agreement.
- 3.3. The UW-W and WCTC reserve the right to make policy and program changes, which could affect the content of this agreement, due to changes in the curriculum or quality standards at either institution.
- 3.4. Review and renewal of this agreement will be made at appropriate intervals.
- 3.5. The UW-W and WCTC agree to assist each other in appropriately promoting this agreement in their respective marketing materials, events, websites, and reports.

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**PROGRAM-TO-PROGRAM ARTICULATION AGREEMENT**

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**SIGNATURE BLOCKS**

| <b>Waukesha County Technical College</b>  | <b>Name</b>            | <b>Signature</b> | <b>Date</b> |
|---|------------------------|------------------|-------------|
| Vice President – Learning                 | Brad Piazza, Ph.D.     |                  |             |
| Dean – School of Business                 | Kim H. Ehlert          |                  |             |
| Associate Dean – Information Technology   | Dr. Cyndi Kaye Lambach |                  |             |
| <b>University of Wisconsin-Whitewater</b> | <b>Name</b>            | <b>Signature</b> | <b>Date</b> |
| Dean                                      | Dr. Frank Goza         |                  |             |
| Provost                                   | Dr. John Chenoweth     |                  |             |

Agreement contact Persons:

University of Wisconsin-Whitewater: Lindsey Radloff, [radloff@uww.edu](mailto:radloff@uww.edu), 262-472-1483

(Program Director or Dean):

Waukesha County Technical College: Cara Bowman, [CBowman@wctc.edu](mailto:CBowman@wctc.edu), 262-695-6526