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**PROGRAM-TO-PROGRAM ARTICULATION AGREEMENT**

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**WAUKESHA  
COUNTY TECHNICAL  
COLLEGE**

**Waukesha Co 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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This articulation agreement establishes a cooperative relationship between the University of Wisconsin-Whitewater (UW-W) and Waukesha Co Technical College effective for students starting the Bachelor of Science (B.S.)- Cybersecurity-Cyber Operations Emphasis, in or after the fall 2025 term, 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.

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

This program-to-program articulation agreement between UW-W and Waukesha Co Technical College provides guaranteed admissions and allows students to be awarded 61-63 credits toward the Cybersecurity-Cyber Operations Emphasis program if they meet the following criteria:

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: IT - Cybersecurity Specialist; IT-Web and Software Developer; IT- Computer Support Specialist; IT-Data and Analytics Specialist; IT-Network Specialist, AI Data 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 fall 2025 and any subsequent terms
  - 1.3.1. declare a major of Cybersecurity -Cyber Operations Emphasis  
*\*students will need to indicate Cybersecurity -Cyber Operations Emphasis intent in the personal statement section of the UW-W E-Application*
- 1.4 Students transferring in at least 60 credits with this agreement will have junior standing at UW-Whitewater.

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**1. Program Articulation Table**

<b>PROGRAM ARTICULATION TABLE</b>		
	<b>Waukesha Co Technical College</b>	<b>University of Wisconsin-Whitewater</b>
Program name	Information Technology	Cybersecurity-Cyber Operations Emphasis
Award Type (e.g., AAS)	Applied Associate Degree	Bachelor of Science
Credit Length	61-63 Credits	120 Minimum Credits
Describe program admission requirements (if any)		2.0 Minimum Cumulative GPA

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## SECTION A - General Education

Waukesha Co Technical College			University of Wisconsin-Whitewater				
Course Prefix & Number	Course Name	Credit	Course Prefix & Number	Course Name	GE Area	Credit	Waivers
801-136	English Composition I	3	ENGLISH 101	Introduction to College Writing and Reading		3	
801-197 <sup>2, 4, 5</sup> OR 801-243 <sup>2, 4, 5</sup>	Technical Reporting OR Business Writing	3	PWP 999 OR BEINDP 290	PWP Electives OR Business Writing		3	
801-198 <sup>7</sup> OR 801-196	Speech OR Oral/Interpersonal Comm	3	COMM 110 OR COMM 9999S	Introduction to Public Speaking OR COMM Elective	GS	3	
809-199 OR 809-198 <sup>6</sup>	Psychology of Human Relations OR Intro to Psychology	3	PSYCH 104 OR PSYCH 211	Psych of Human Adjustment <b>OR</b> Introductory Psychology	GW OR GS	3	
809-143 OR 809-287 <sup>4</sup> OR 809-195	Microeconomics OR Principles of Macroeconomics OR Economics	3	ECON 201 OR ECON 202 OR ECON 9999S	Principles of Microecon OR Principles of Macroecon OR Economics Electives	GS	3	
804-195 <sup>8</sup>	College Algebra w Apps	3	MATH 142	College Algebra		3	41W
804-189 <sup>4</sup>	Introductory Statistics	3	STAT 101	Elementary Statistics		3	140W
809-196 <sup>3</sup>	Intro to Sociology	3	SOCIOLGY 240	Principles of Sociology	GS	3	
890-108	Employment Success	1	INTRAUNV 999	INTRAUNV ELECTIVES		1	

### Special Notes:

1. IT-Cybersecurity Specialist
2. IT-Web and Software Developer
3. IT-Computer Support Specialist
4. IT - Data and Analytics Specialist
5. IT-Network Specialist
6. IT- AI Data Specialist
7. 801-198 Speech is recommended instead of 801-196 Oral/Interpersonal Comm
8. Students who take 804-133 Math&Logic or 804-118 Interm Algebra w Apps or 804-116 College Technical Math 2 will still need to take MATH 142 at UW-Whitewater. Students bringing in 804-198 Calculus 1 will have satisfied Math 142.
9. General Education courses listed are part of all Waukesha Co Technical College A.A.S. Information Technology programs.

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://uw-public.courseleaf.com/undergraduate/general-information/general-education/#requirementstext>

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**Remaining General Education and Degree Requirements**

<b>Waukesha Co Technical College</b>			<b>University of Wisconsin-Whitewater</b>			
Course Prefix & Number	Course Name	Credits	Course Prefix & Number	Course Name	GE Area	Credits
General Education						
801-223 <sup>2</sup>	English Composition 2	3	ENGLISH 102	Intro. to College Writing, Reading, and Research		3
			PEGNRL 192	Personal Health and Fitness for Life	GW	1
809-172 <sup>2</sup>	Introduction to Diversity Studies	3	RACEETH 9999ED	Race & Ethnic Relations Elective	GE/DV	3
			CORE 390	World of Ideas		3
Cultural Heritages: Select 2-3 units designated GA.					GA	2-3
Communities: Select 3 credits designated GG or GH					GG or GH	3
Additional elective course <sup>4</sup>					GA, GE, GG, GH, GS, or GW	2-3
Quantitative & Technical Reasoning: at least one 4-5 unit lab course designated GL and at least 3 units in a second subject area designated GN, GQ or GL to complete this requirement					GL GN GQ	4-5
<b>Bachelor of Science (B.S.) Requirements:</b>						
Choose an additional 4-5 credit lab science course designated GL from a different subject area than the GL course used for General Education requirements above.						4
Select <sup>5</sup> MATH 253 OR MATH 250 OR two of the following: (A) 3 credits of MATH above 142, (B) another 3 credits of MATH above 142, (C) 3-4 credits of statistics from STAT 230, PSYCH 215, SOCIOLOGY 295, BIOLOGY 303, ECON 245, or SOCWORK 250.						5-6
Section A.2 subtotal minimum for Bachelor of Science (B.S.)						25 <sup>3</sup>

**Special Notes:**

- [Transferology](#) can be used to determine courses that will fulfill other elective coursework from Waukesha Co Technical College.
- Courses are not required as part of the WCTC A.A.S. program; however, it is beneficial for students to complete these at WCTC prior to transfer to UW-Whitewater.
- The amount assumes courses in 2 above are passed at WCTC.
- This section is satisfied for IT-Computer Support Specialist as 809-196 Intro to Sociology is required for that Associate degree.
- Satisfied if students take MATH 280 and STAT 230 at UW-Whitewater, see section C
- 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](#).

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**SECTION B.1 – IT -Cybersecurity Specialist**
**WAUKESHA CO TECHNICAL COLLEGE: IT-Cybersecurity Specialist**
**UW-W: Cybersecurity -Cyber Operations Emphasis**

151-103 <u>AND</u> 151-104	Firewall Security AND Intrusion Detection	3 3	COMPSCI 999 COMPSCI 354	CompSci Elective Intrusion Detection and Incident Response	3 3
150-188	Linux Essentials	3	COMPSCI 481	Web Server and Unix Administration	3
150-118	Switching Routing & Wireless	3	ITSCM 332	Network Administration	3
150-137	MS Server	3	ITSCM 331	System Administration	3
151-107	Web Application Security	3	COMPSCI 441	Web Security	3
151-105	Digital Forensics	3	COMPSCI 342	Digital Forensics	3
150-157	Security II	3	CYBER 101	Introduction to Cybersecurity	3
150-161	Ethical Hacking	3	ITSCM 352	Introduction to Ethical Hacking	3
Degree Completion		18	Major - Applied Technical Skills Requirement		18
Degree Completion		0	Electives Towards Graduation		0
<b>Major, Emphasis, Unrestricted Electives Total</b>		45	<b>Section B Subtotal</b>		45
<b>General Studies Requirements for IT-Cybersecurity Specialist (Section A)</b>		16	<b>Section A Subtotal</b>		16
			<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 B.2 – IT-Web and Software Developer**
**WAUKESHA CO TECHNICAL COLLEGE: IT-Web and Software Developer**
**UW-W: Cybersecurity -Cyber Operations Emphasis**

152-112	Intro to Programming with C#	3	COMPSCI 172	Introduction to Java	3
152-130 <sup>2</sup>	Introduction to Java	2	COMPSCI 999	CompSci Elective	1
<b>AND</b>	<b>AND</b>		COMPSCI 220	Intermediate Java	<b>AND</b>
152-131 <sup>2</sup>	Software Architecture	2			3
152-168 <sup>3</sup>	JavaScript	3	COMPSCI 381	Javascript and DHTML	3
152-179	JavaScript 2	3	COMPSCI 382	Server-Side Scripting	3
Degree Completion		18	Major - Applied Technical Skills Requirement		18
Degree Completion		12	Electives Towards Graduation		12
<b>Major, Emphasis, Unrestricted Electives Total</b>		<b>43</b>	<b>Section B Subtotal</b>		<b>43</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>62</b>

**Special notes if any:**

1. Degree completion credits earned will be applied in a block equivalency. Grades will appear as "S" for satisfactory on the evaluation of transfer credits.
2. 152-138 Java Programming and 152-135 Advanced Java Programming are approved substitutes and transfer the same as Core Courses. The number of credits of approved substitute classes can affect credit counts.
3. 152-169 JavaScript is an approved substitute and transfers the same as Core Courses. The number of credits of approved substitute classes can affect credit counts.

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**SECTION B.3 – IT- Computer Support Specialist**


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**WAUKESHA CO TECHNICAL COLLEGE: IT- Computer Support Specialist**
**UW-W: Cybersecurity -Cyber Operations Emphasis**

150-137	MS Server	3	ITSCM 331	System Administration	3
Degree Completion		18	Major - Applied Technical Skills Requirement		18
Degree Completion		21	Electives Towards Graduation		21
<b>Major, Emphasis, Unrestricted Electives Total</b>		42	<b>Section B Subtotal</b>		42
<b>General Studies Requirements for IT- Computer Support Specialist (Section A)</b>		19	<b>Section A Subtotal</b>		19
			<b>Total Technical College Credits Applied</b>		61

**Special notes if any:**

1. Degree completion credits earned will be applied in a block equivalency. Grades will appear as "S" for satisfactory on the evaluation of transfer credits.
2. Approved Substitutes transfer the same as Core Courses

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**SECTION B.4 – IT-Data and Analytics Specialist**
**WAUKESHA CO TECHNICAL COLLEGE: IT-Data and Analytics Specialist**
**UW-W: Cybersecurity -Cyber Operations Emphasis**

152-112 <sup>2</sup>	Intro to Programming with C#	2	COMPSCI 172	Introduction to Java	2
156-102 156-103	Advanced SQL <b>AND</b> Database Administration	3 3	ITSCM 999 ITSCM 314	ITSCM Elective Database Design and Administration	3 3
156-106 156-107	Data Warehouse Design <b>AND</b> Data Modeling	3 3	ITSCM 999 ITSCM 230	ITSCM Elective Introduction to Business Analytics	3 3
Degree Completion		18	Major - Applied Technical Skills Requirement		18
Degree Completion		11	Electives Towards Graduation		12
<b>Major, Emphasis, Unrestricted Electives Total</b>		44	<b>Section B Subtotal</b>		44
<b>General Studies Requirements for IT- Data and Analytics Specialist (Section A)</b>		19	<b>Section A Subtotal</b>		19
			<b>Total Technical College Credits Applied</b>		63

**Special Notes:**

1. Degree completion credits earned will be applied in a block equivalency. Grades will appear as "S" for satisfactory on the evaluation of transfer credits.
2. 156-105 Advanced Topics in Database is an approved substitute and transfers the same as Core Courses. The number of credits of approved substitute classes can affect credit counts.



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**SECTION B.5 – IT-Network Specialist**

**WAUKESHA CO TECHNICAL COLLEGE: IT- Network Specialist**

150-188	Linux Essentials	3
150-137	MS Server	3
150-118	Switching Routing & Wireless	3
Degree Completion		18
Degree Completion		17
<b>Major, Emphasis, Unrestricted Electives Total</b>		<b>44</b>
<b>General Studies Requirements for IT- Network Specialist (Section A)</b>		<b>19</b>

**UW-W: Cybersecurity -Cyber Operations Emphasis**

COMPSCI 481	Web Server and Unix Administration	3
ITSCM 331	System Administration	3
ITSCM 332	Network Management	3
Major - Applied Technical Skills Requirement		18
Electives Towards Graduation		17
<b>Section B Subtotal</b>		<b>44</b>
<b>Section A Subtotal</b>		<b>19</b>
<b>Total Technical College Credits Applied</b>		<b>63</b>

**Special Notes:**

1. Degree completion credits earned will be applied in a block equivalency. Grades will appear as "S" for satisfactory on the evaluation of transfer credits.
2. Approved Substitutes transfer the same as Core Courses

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**SECTION B.6 – AI Data Specialist**

<b>WAUKESHA CO TECHNICAL COLLEGE: AI Data Specialist</b>		<b>UW-W: Cybersecurity -Cyber Operations Emphasis</b>	
Degree Completion	18	Major - Applied Technical Skills Requirement	18
Degree Completion	25	Electives Towards Graduation	25
<b>Major, Emphasis, Unrestricted Electives Total</b>	<b>43</b>	<b>Section B Subtotal</b>	<b>43</b>
<b>General Studies Requirements for IT-AI Data Specialist (Section A)</b>	<b>19</b>	<b>Section A Subtotal</b>	<b>19</b>
		<b>Total Technical College Credits Applied</b>	<b>62</b>

**Special Notes:**

1. Degree completion credits earned will be applied in a block equivalency. Grades will appear as "S" for satisfactory on the evaluation of transfer credits.
2. Approved Substitutes transfer the same as Core Courses

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**SECTION C.1 – Cybersecurity -Cyber Operations Emphasis Major Courses at UW-W**
**WAUKESHA CO TECHNICAL COLLEGE: IT – Cybersecurity Specialist**

WCTC equiv	WCTC Course Name	Credit Amount	UW-W Course Number	UW-W Course Name	Credit Amount
Unique Requirements 12 credits (*12 remaining credits needed):					
	COMPSCI 172 or 174	Introductory Programming	3		
	COMPSCI 215 or MATH 280	Discrete Structures/ Discrete Mathematics	3		
	STAT 230 <u>or</u> STAT 342	Introduction to Statistical Reasoning (GQ) and Analysis <u>or</u> Applied Statistics	3		
	ENGLISH 370 or 371 or 372	Advanced Composition <u>or</u> Writing in the Sciences <u>or</u> Technical and Professional Writing	3		
Major Requirements 60 credits (24 remaining credits needed):					
	COMPSCI 220 <u>or</u> COMPSCI 221 <u>or</u> COMPSCI 222	Intermediate Java <u>or</u> Intermediate Programming in C# <u>or</u> Intermediate C++	3		
	COMPSCI 230 <u>or</u> COMPSCI 223	Advanced Programming <u>or</u> Data Structures	3		
	COMPSCI 271	Computer Organization and Assembly Programming	3		
	COMPSCI 353	Cybersecurity Law and Policy	3		
	COMPSCI 455	Cryptography and Network Security	3		
	COMPSCI 456	Computer System Security	3		
	ITSCM 452	Information Assurance and Security	3		
	CYBER 459	Systems Security Engineering	3		
	Remaining elective credits in the major			0	

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SECTION C.2 – Cybersecurity -Cyber Operations Emphasis Major Courses at UW-W					
WAUKESHA CO TECHNICAL COLLEGE: IT-Web and Software Developer					
WCTC Equivalent (if applicable)	WCTC Course	Credit Amount	UW-W Course Number	UW-W Course Name	Credit Amount
Unique Requirements 12 credits (*9 remaining credits needed):					
			COMPSCI 215 <u>or</u> MATH 280	Discrete Structures <u>or</u> Discrete Mathematics	3
			STAT 230 <u>or</u> STAT 342	Introduction to Statistical Reasoning (GQ) and Analysis <u>or</u> Applied Statistics	3
			ENGLISH 370 <u>or</u> PWP 371 <u>or</u> PWP 372	Advanced Composition <u>or</u> Writing in the Sciences <u>or</u> Technical and Professional Writing	3
Major Requirements 60 credits (39 remaining credits needed):					
			CYBER 101	Introduction to Cybersecurity	3
			COMPSCI 230 <u>or</u> COMPSCI 223	Advanced Programming <u>or</u> Data Structures	3
			COMPSCI 271	Computer Organization and Assembly Programming	3
			ITSCM 331 <u>or</u> COMPSCI 481	System Admin <u>or</u> Web Server and Unix Admin	3
			ITSCM 332 <u>or</u> COMPSCI 460	Network Administration <u>or</u> Computer Networking	3
			COMPSCI 342	Digital Forensics	3
			COMPSCI 353	Cybersecurity Law and Policy	3
			COMPSCI 354	Intrusion Detection and Incident Response	3
			COMPSCI 455	Cryptography and Network Security	3
			COMPSCI 456	Computer System Security	3
			ITSCM 452	Information Assurance and Security	3
			CYBER 459	Systems Security Engineering	3
			Remaining elective credits in the major		

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**SECTION C.3 – Cybersecurity -Cyber Operations Emphasis Major Courses at UW-W**
**WAUKESHA CO TECHNICAL COLLEGE: IT- Computer Support Specialist**

WCTC Equivalent (if applicable)	WCTC Course	Credit Amount	UW-W Course Number	UW-W Course Name	Credit Amount
Unique Requirements 12 credits (*12 remaining credits needed):					
			COMPSCI 172 or 174	Introductory Programming	3
			COMPSCI 215 or MATH 280	Discrete Structures/ Discrete Mathematics	3
			STAT 230 <u>or</u> STAT 342	Introduction to Statistical Reasoning (GQ) and Analysis <u>or</u> Applied Statistics	3
			ENGLISH 370 <u>or</u> PWP 371 <u>or</u> PWP 372	Advanced Composition <u>or</u> Writing in the Sciences <u>or</u> Technical and Professional Writing	3
Major Requirements 60 credits (39 remaining credits needed):					
			CYBER 101	Introduction to Cybersecurity	3
			COMPSCI 220 <u>or</u> COMPSCI 221 <u>or</u> COMPSCI 222	Intermediate Java <u>or</u> Intermediate Programming in C# <u>or</u> Intermediate C++	3
			COMPSCI 230 <u>or</u> COMPSCI 223	Advanced Programming <u>or</u> Data Structures	3
			COMPSCI 271	Computer Organization and Assembly Programming	3
			ITSCM 332 <u>or</u> COMPSCI 460	Network Administration <u>or</u> Computer Networking	3
			COMPSCI 342	Digital Forensics	3
			COMPSCI 353	Cybersecurity Law and Policy	3
			COMPSCI 354	Intrusion Detection and Incident Response	3
			COMPSCI 455	Cryptography and Network Security	3
			COMPSCI 456	Computer System Security	3
			ITSCM 452	Information Assurance and Security	3
			CYBER 459	Systems Security Engineering	3
			Remaining elective credits in the major		

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**SECTION C.4 – Cybersecurity -Cyber Operations Emphasis Major Courses at UW-W**
**WAUKESHA CO TECHNICAL COLLEGE: – IT- Data and Analytics Specialist**

WCTC Equivalent (if applicable)	WCTC Course	Credit Amount	UW-W Course Number	UW-W Course Name	Credit Amount
Unique Requirements 12 credits (*9 remaining credits needed):					
			COMPSI 215 or MATH 280	Discrete Structures/ Discrete Mathematics	3
			STAT 230 <u>or</u> STAT 342	Introduction to Statistical Reasoning (GQ) and Analysis <u>or</u> Applied Statistics	3
			ENGLISH 370 <u>or</u> PWP 371 <u>or</u> PWP 372	Advanced Composition <u>or</u> Writing in the Sciences <u>or</u> Technical and Professional Writing	3
Major Requirements 60 credits (42 remaining credits needed):					
			CYBER 101	Introduction to Cybersecurity	3
			COMPSCI 220 <u>or</u> COMPSCI 221 <u>or</u> COMPSCI 222	Intermediate Java <u>or</u> Intermediate Programming in C# <u>or</u> Intermediate C++	3
			COMPSCI 230 <u>or</u> COMPSCI 223	Advanced Programming <u>or</u> Data Structures	3
			COMPSCI 271	Computer Organization and Assembly Programming	3
			ITSCM 331 <u>or</u> COMPSCI 481	System Admin <u>or</u> Web Server and Unix Admin	3
			ITSCM 332 <u>or</u> COMPSCI 460	Network Administration <u>or</u> Computer Networking	3
			COMPSCI 342	Digital Forensics	3
			COMPSCI 353	Cybersecurity Law and Policy	3
			COMPSCI 354	Intrusion Detection and Incident Response	3
			COMPSCI 455	Cryptography and Network Security	3
			COMPSCI 456	Computer System Security	3
			ITSCM 452	Information Assurance and Security	3
			CYBER 459	Systems Security Engineering	3
			Remaining elective credits in the major		

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**SECTION C.5 – Cybersecurity -Cyber Operations Emphasis Major Courses at UW-W**
**WAUKESHA CO TECHNICAL COLLEGE: IT- Network Specialist**

WCTC Equivalent (if applicable)	WCTC Course	Credit Amount	UW-W Course Number	UW-W Course Name	Credit Amount
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**Unique Requirements 12 credits (\*12 remaining credits needed):**

	COMPSCI 172 or 174	Introductory Programming	3
	COMPSI 215 or MATH 280	Discrete Structures/ Discrete Mathematics	3
	STAT 230 <u>or</u> STAT 342	Introduction to Statistical Reasoning (GQ) and Analysis <u>or</u> Applied Statistics	3
	ENGLISH 370 <u>or</u> PWP 371 <u>or</u> PWP 372	Advanced Composition <u>or</u> Writing in the Sciences <u>or</u> Technical and Professional Writing	3

**Major Requirements 60 credits (33 remaining credits needed):**

	CYBER 101	Introduction to Cybersecurity	3
	COMPSCI 220 <u>or</u> COMPSCI 221 <u>or</u> COMPSCI 222	Intermediate Java <u>or</u> Intermediate Programming in C# <u>or</u> Intermediate C++	3
	COMPSCI 230 <u>or</u> COMPSCI 223	Advanced Programming <u>or</u> Data Structures	3
	COMPSCI 271	Computer Organization and Assembly Programming	3
	COMPSCI 342	Digital Forensics	3
	COMPSCI 353	Cybersecurity Law and Policy	3
	COMPSCI 354	Intrusion Detection and Incident Response	3
	COMPSCI 455	Cryptography and Network Security	3
	COMPSCI 456	Computer System Security	3
	ITSCM 452	Information Assurance and Security	3
	CYBER 459	Systems Security Engineering	3
	Remaining elective credits in the major		0

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**PROGRAM-TO-PROGRAM ARTICULATION AGREEMENT**


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**WAUKESHA**  
COUNTY TECHNICAL  
COLLEGE

**Waukesha Co 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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**SECTION C.6 – Cybersecurity -Cyber Operations Emphasis Major Courses at UW-W**
**WAUKESHA CO TECHNICAL COLLEGE: AI Data Specialist**

WCTC Equivalent (if applicable)	WCTC Course	Credit Amount	UW-W Course Number	UW-W Course Name	Credit Amount
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**Unique Requirements 12 credits (\*12 remaining credits needed):**

	COMPSCI 172 or 174	Introductory Programming	3
	COMPSI 215 or MATH 280	Discrete Structures/ Discrete Mathematics	3
	STAT 230 <u>or</u> STAT 342	Introduction to Statistical Reasoning (GQ) and Analysis <u>or</u> Applied Statistics	3
	ENGLISH 370 <u>or</u> PWP 371 <u>or</u> PWP 372	Advanced Composition <u>or</u> Writing in the Sciences <u>or</u> Technical and Professional Writing	3

**Major Requirements 60 credits (42 remaining credits needed):**

	CYBER 101	Introduction to Cybersecurity	3
	COMPSCI 220 <u>or</u> COMPSCI 221 <u>or</u> COMPSCI 222	Intermediate Java <u>or</u> Intermediate Programming in C# <u>or</u> Intermediate C++	3
	COMPSCI 230 <u>or</u> COMPSCI 223	Advanced Programming <u>or</u> Data Structures	3
	COMPSCI 271	Computer Organization and Assembly Programming	3
	ITSCM 331 <u>or</u> COMPSCI 481	System Admin <u>or</u> Web Server and Unix Admin	3
	ITSCM 332 <u>or</u> COMPSCI 460	Network Administration <u>or</u> Computer Networking	3
	COMPSCI 342	Digital Forensics	3
	COMPSCI 353	Cybersecurity Law and Policy	3
	COMPSCI 354	Intrusion Detection and Incident Response	3
	COMPSCI 455	Cryptography and Network Security	3
	COMPSCI 456	Computer System Security	3
	ITSCM 452	Information Assurance and Security	3
	CYBER 459	Systems Security Engineering	3
	Remaining elective credits in the major		3



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### **3. University/General Education Requirements**

- 3.1 The UW-W baccalaureate candidate must meet UW-W's general education and graduation requirements: <http://uww-public.courseleaf.com/undergraduate/general-information/general-education/#requirementstext>
- 3.2 The UW-W baccalaureate candidate must meet the B.S. requirements for the College of Letters and Sciences: <http://uww-public.courseleaf.com/undergraduate/letters-sciences/#degreerequirementstext>
- 3.3 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.
  - 3.3.1 Entering students may apply general education credits toward satisfying UW-W general education requirements as specified in Transferology: <https://www.transferology.com/school/uww>
- 3.4 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.
- 3.5 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
- 3.6 The maximum number of credits that can be transferred from all two-year transfer institutions to UW-W is 72.

### **4. Additional Conditions**

- 4.1 Program-to-program transfer courses/credits are accepted only for the major and minor specified in this agreement. A change of major or minor invalidates these courses/credits for transfer unless they are approved within some other program-to-program articulation agreement for a different major/minor at UW-W.
- 4.2 Course equivalencies specified in this articulation agreement are subject to change in the event that the course curricula of relevant programs at Waukesha Co Technical College or at UW-Whitewater undergo revision.
- 4.3 The Applied Associate degree must be posted on an official transcript to receive credits from the agreement.
- 4.4 Review and renewal of this agreement will be made at appropriate 3-year intervals.
- 4.5 UW-W and Waukesha Co Technical College agree to assist each other in appropriately promoting this agreement in their respective marketing materials, events, websites, and reports

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UNIVERSITY OF WISCONSIN  
**WHITEWATER**

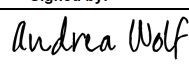

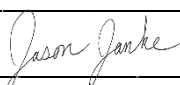

**University of Wisconsin-Whitewater**

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**SIGNATURE BLOCKS**

<b>Waukesha Co Technical College</b>	<b>Name</b>	<b>Signature</b>	<b>Date</b>
Dean, School of Business	Andrea Wolf	Signed by:  84CE1138B8F0468...	9/11/2025
Provost & Executive Vice President	Dr. Brad Piazza	DocuSigned by:  14A1072F134E489...	9/11/2025
<b>University of Wisconsin-Whitewater</b>	<b>Name</b>	<b>Signature</b>	<b>Date</b>
Dean	Dr. Jason Janke		9/4/25
Interim Provost	Dr. Robin Fox		9/8/2025

Agreement contact Person:

University of Wisconsin-Whitewater: Tatiana Fadeeva, [fadeevat@uww.edu](mailto:fadeevat@uww.edu)

Waukesha Co Technical College: Margo Leone, [mleone@wctc.edu](mailto:mleone@wctc.edu)