ARTICULATION AGREEMENT
BETWEEN
UNIVERSITY OF WISCONSIN-STOUT
AND
WAUKESHA COUNTY TECHNICAL COLLEGE

This updated Agreement is entered into between **Waukesha County Technical College** (hereinafter sending institution), and the **University of Wisconsin-Stout, Menomonie, WI** (hereinafter receiving institution). This updated Agreement and any amendments and supplements, shall be interpreted pursuant to the guidelines set forth in the University of Wisconsin System Academic Information Series (ACIS) policy 6.2 Guidelines for Articulation Agreements between UW System Institutions and WTCS Districts as well as policy 6.0 Undergraduate Transfer Policy. Both institutions agree to maintain accreditation by the Higher Learning Commission of the North Central Association of Colleges and Schools and any other accreditation currently in existence pertaining to degree programs articulated via the transfer agreement.

The sending institution has established an **A.A.S. Automation Systems Technology (Robotics)** (hereinafter sending program), and the receiving institution has established an online **B.S. Automation Leadership** (hereinafter receiving program) and will facilitate credit transfer and provide a smooth transition from one related program to another. It is mutually agreed:

I. **Admission and Graduation Requirements**

    A. The receiving institution's admission and program admission requirements apply to both direct entry students and to students who transfer under this agreement.

    B. Students must fulfill the graduation requirements at both institutions to include:
        1. General Education, Racial & Ethnic Studies, and Global Perspective requirements.
        2. A minimum of 32 credits must be earned from UW-Stout to receive a degree from UW-Stout.

    C. Students must complete the entire sending program and meet the receiving institution's admission requirements for the agreement to apply.

    D. Students must be concurrently enrolled in or have completed the Smart Automation Certification Alliance (SACA) core upon admission into the receiving institution's program.

II. **Transfer of Credits**

    A. The receiving institution will apply 79 of the 81 credits from the sending program (AAS and SACA requirements). A total of 41 credits remain to complete the receiving program.

    B. Courses will transfer as described in the attached Program Articulation Table.

    C. To provide flexibility to students pursuing this pathway, students can choose to receive the 21 credits for the SACA certification in one of the following three ways:
        a. Transfer 21 credits from Waukesha County Technical College or other technical college partners.
        b. Receive the SACA certification through other options (i.e., industry partners that offer the SACA certification exam). Students following this pathway will utilize Prior Learning Credit either through a technical college partner or UW-Stout to earn credit.

    c. A combination of option A and B above.

D. Elective courses taken or substituted at the sending institution and sending program not listed in this updated agreement will be reviewed on a case-by-case basis and determined how they may apply to the degree at the receiving institution.

III. **Implementation and Review**

A. The Provost, Dean, Program Director, or designees of the parties to this updated agreement will implement the terms of this agreement, including identifying and incorporating any changes into subsequent agreements, assuring compliance with system policy, procedure, and guidelines, and conducting a periodic review of this agreement.

B. This updated Articulation Agreement is effective on 04/15/2024 and shall remain in effect until the end date of 04/15/2029 or for five years, whichever occurs first, unless terminated or amended by either party with 90 days prior written notice.

C. The college and university shall work with students to resolve the transfer of courses should changes to either program occur while the agreement is in effect.

D. This updated Articulation Agreement will be reviewed by both parties beginning 10/15/2028 (within six months of the end date).

E. When a student enrolls at the receiving institution following this agreement, the receiving institution will encode any course waivers and substitutions.

F. This updated articulation agreement applies only to the receiving program in effect Fall 2024 until revised.

PROGRAM ARTICULATION TABLE

	Waukesha County Technical College	University of Wisconsin-Stout
Program name	Automation Systems Technology (Robotics)	Automation Leadership
Award Type (e.g., AAS)	A.A.S.	B.S.
Credit Length	60+SACA Certification (21) = 81 credits	120 credits
Program admission requirements (if any)		Minimum Cumulative 2.0 GPA required

SECTION A - General Education

Waukesha County Technical College			University of Wisconsin Stout						
Course Prefix & Number	Course Name	Credits	Course Prefix & Number	Course Name	GE	RES GLP	Credits Applied	Credits NOT Applied	Equiv Sub Wav
General Education									
801-136	English Composition 1	3	*ENGL 101	Composition 1	COMSK		3		Equiv
801-196 **or** 801-198	Oral/Interpersonal Communication **or** Speech	3	^COMST-GXX	Communication Skills Stout Core	COMSK		3		Equiv
804-107	College Mathematics	3	MATH-GXX	Mathematics Stout Core	ARNS		3		Equiv
806-139	Survey of Physics	3	PHYS-GLX	Physics Lab Elective	ARNS		3		Equiv
809-195	Economics	3	ECON-201	General Economics	SBSC	GLP	3		Equiv
809-199	Psychology of Human Relations	3	PSYC-GXX	Psychology Stout Core	SBSC		3		Equiv
General Education Total		**18**	**Section A Subtotal**				**18**	**0**	
Special Notes, if any:									

UW-Stout/Waukesha County Technical College

*A grade of C- or better is required to move on to ENGL 102 Composition 2.
^ Per a UW-Stout transfer rule either of these classes will satisfy the public speaking requirement within the Stout Core general education.

SECTION B – Major, Concentration, Emphasis, Electives, or Other

				Professional Core (40 credits)				
414-186	Industrial Electricity	2	ETECH-XXX	Engineering Technology Electives		2		Equiv
462-151	Mechanical Power Transmission 1	3	ETECH-XXX	Engineering Technology Electives		3		Equiv
605-129	Electrical Power Control and Motors	3	ETECH-XXX	Engineering Technology Electives		3		Equiv
605-138	SS Devices for Automation	2	ETECH-XXX	Engineering Technology Electives		2		Equiv
605-139	Human Machine Interfaces	3	ETECH-XXX	Engineering Technology Electives		3		Equiv
605-188	PLC 1	2	ETECH-XXX	Engineering Technology Electives		2		Equiv
605-189	PLC 2	2	ETECH-XXX	Engineering Technology Electives		2		Equiv
605-191	PLC 3	2	ETECH-XXX	Engineering Technology Electives		2		Equiv
605-193	PLC – Siemens Controllers	2	ETECH-XXX	Engineering Technology Electives		2		Equiv
605-196	Drives and Intro to Servos	2	ETECH-XXX	Engineering Technology Electives		2		Equiv
605-197	Sensors and Process Control	2	ETECH-XXX	Engineering Technology Electives		2		Equiv
606-153	Internship – Applied Tech	1	ETECH-XXX	Engineering Technology Electives		1		Equiv
612-310	Industrial Hydraulic Systems	2	ETECH-XXX	Engineering Technology Electives		2		Equiv
612-315	Industrial Pneumatic Systems	2	ETECH-XXX	Engineering Technology Electives		2		Equiv
664-160	Robotics and Servo Control	3	ETECH-XXX	Engineering Technology Electives		3		Equiv
664-161	Automation Systems	3	ETECH-XXX	Engineering Technology Electives		3		Equiv
664-162	Robotics Applications	3	ETECH-XXX	Engineering Technology Electives		3		Equiv
664-165	Fabrication – Automation Systems	2	ETECH-XXX	Engineering Technology Electives		1	1	Equiv
				SACA Certificate Transfer Core (21 credits) Students can choose to complete any 7 of the following 14 credentials. See Section 2C above for more details.				
C-211	Industry 4.0 Total Productive Maintenance Management	3	ET-XCX	SACA Certificate Electives		3		Sub
C-305	Industry Electronic Systems 1	3	ET-XCX	SACA Certificate Electives		3		Sub
C-308	Variable Frequency Drive Systems 2	3	ET-XCX	SACA Certificate Electives		3		Sub
C-309	Programmable Controller Systems 2	3	ET-XCX	SACA Certificate Electives		3		Sub
C-310	Ethernet Communications 2	3	ET-XCX	SACA Certificate Electives		3		Sub
C-312	Robot Systems Integration 2	3	ET-XCX	SACA Certificate Electives		3		Sub
C-313	Smart Factory Systems 2	3	ET-XCX	SACA Certificate Electives		3		Sub
C-359	Programmable Controller Systems 3	3	ET-XCX	SACA Certificate Electives		3		Sub
C-362	Machine Vision Systems 1	3	ET-XCX	SACA Certificate Electives		3		Sub
C-306	Industrial Electronic Systems 2	3	ET-XCX	SACA Certificate Electives		3		Sub
C-307	Electronic Systems Installation 1	3	ET-XCX	SACA Certificate Electives		3		Sub
C-358	Autonomous Mobile Robot Systems 1	3	ET-XCX	SACA Certificate Electives		3		Sub
C-360	Motion Control Systems 1	3	ET-XCX	SACA Certificate Electives		3		Sub
C-361	Programmable Conveyor Systems 1	3	ET-XCX	SACA Certificate Electives		3		Sub
				Not applicable to UW-Stout's program requirements. See Section E for credit awarded (if applicable).				
890-108	Employment Success	1						
Major, Emphasis, Unrestricted Electives		**63**		**Section B Subtotal**		**61**	**2**	
				Total College Credits Applied (sum of sections A and B)		**79**	**2**	
Special Notes, if any:								
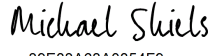
SECTION C - Remaining University of Wisconsin-Stout Requirements

	Stout Core General Education		
	ENGL-102	Composition 2	3
		Analytical Reasoning and Natural Sciences Stout Core	4
		Arts and Humanities Stout Core	6
		Social Responsibility and Ethical Reasoning Stout Core	3
		Stout Core Electives	6
		Remaining General Education Subtotal	**22**
	Program Core		
	INMGT-365 **or** INMGT-565	Project Management	3
	INMGT-400 **or** INMGT-600	Organizational Leadership	3
	INMGT-440 **or** INMGT-640	Lean Enterprise	3
	INMGT-441 **Or** INMGT-641	Digital Transformation	3
	INMGT-442 **Or** INMGT-642	Internet of Things in Operations	3
	INMGT-443	Automation Leadership Capstone	3
	INMGT-449	Cooperative Education Experience	1
		Remaining Major Studies Subtotal	**19**
		Total Remaining UW-Stout Credits	**41**

Special Notes, if any:

SECTION D - Summary of Total Program Credits

Waukesha County Technical College Credits		University of Wisconsin-Stout Requirements	
General Education	18		
Major, Concentration Emphasis, Electives or Other	42		
SACA Certificate Core	21		
Total College Credits	81	**Total College Credits Applied**	79
		Remaining credit to be taken at University of Wisconsin-Stout	41
		Total Program Credits	120

Special Notes, if any:

UW-Stout/Waukesha County Technical College

SIGNATURE BLOCKS

Waukesha County Technical College	Name	Signature	Date
Vice President of Learning	Dr. Brad Piazza	DocuSigned by: *[signature]* 14A1072F134E489...	4/12/2024
Dean, School of Applied Technologies	Micheal Shiels	DocuSigned by: *Michael Shiels* 39E83A63A0854E9...	4/12/2024
University of Wisconsin-Stout	Name	Signature	Date
Program Director	Xuejun "Jason" Liu	**Jason Liu**	**04/08/2024**
School Director	David Ding	**Xuedong (David) Ding**	**04/08/2024**
Dean	Dan Freedman	**Dan Freedman**	**04/10/2024**
Provost	Glendalí Rodriguez	**Glendali Rodriguez**	**04/10/2024**

Agreement contact Persons:
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          David Ding, dingx@uwstout.edu, 715-232-1195
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