

**ARTICULATION AGREEMENT
BETWEEN
UNIVERSITY OF WISCONSIN-STOUT
AND
WESTERN TECHNICAL COLLEGE**

This Agreement is entered into between Western Technical College (hereinafter sending institution), and the University of Wisconsin-Stout, Menomonie, WI (hereinafter receiving institution). 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.

The sending institution has established an A.A.S. Automation Systems Technology (hereinafter sending program), and the receiving institution has established a B.S. Engineering Technology-Industrial Automation (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.
 - 3. Student must achieve a minimum 2.5 cumulative GPA in Program Core and concentration courses at the time of graduation.
- C. Students must complete the entire sending program and meet the receiving institution's admission requirements for the agreement to apply.

II. Transfer of Credits

- A. The receiving institution will apply 54 of the 65 credits from the sending program. A total of 67 credits remain to complete the receiving program.
- B. Courses will transfer as described in the attached Program Articulation Table.
- C. Courses are specifically identified in the attached Program Articulation Table requiring grades of "C" or higher that may be used towards the degree program. Grades received less than a "C" must be repeated if student is admitted into the program based on overall admission requirements.

- D. 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.

III. Implementation and Review

- A. The Provost, Dean, Program Director or designees of the parties to this 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. The University of Wisconsin-Stout and Western Technical College will provide academic advising to Western Technical College learners inquiring about UW-Stout's programs. Learners may be connected with a UW-Stout adviser prior to transfer. UW-Stout and Western Technical College will share materials, catalogs, and other information to facilitate their understanding of requirements and programs. Western Technical College will assist UW-Stout in arranging recruitment events on its campuses.
- C. Any marketing of this agreement will be subject to the prior approval of both parties and will adhere to each institution's standards for the use of its name and logo. Each institution will assume responsibility for appropriate marketing to reach its student population. Each institution may provide a link to this agreement and/or the other institution on its website, with notice to the other party.
- D. Both parties agree that failure to maintain regional accreditation will be grounds for termination of the agreement. Failure to maintain accreditation required by the specific academic program(s) referenced in this agreement will be grounds for exclusion of that program from the agreement.
- E. This Articulation Agreement is effective on 05/01/2020 and shall remain in effect until the end date of 05/01/2025 or for five years, whichever occurs first, unless terminated or amended by either party with 90 days prior written notice.
- F. 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.
- G. This Articulation Agreement will be reviewed by both parties no later than 12/01/2024 (within six months of the end date) but will also be considered on a yearly basis upon updates to the undergraduate catalog at UW-Stout. Both Western Technical College and UW-Stout agree to notify each other of any curricular changes in a timely manner.
- H. When a student enrolls at the receiving institution following this agreement, the receiving institution will encode any course waivers and substitutions.
- I. This articulation agreement applies only to the receiving program in effect Fall 2020 until revised.

PROGRAM ARTICULATION TABLE

	College (sending)	University (receiving)
Program name	Automation Systems Technology	Engineering Technology – Industrial Automation
Award Type (e.g., AAS)	AAS	BS
Credit Length	65	121
Program admission requirements (if any)		Minimum Cumulative 2.0 GPA required

SECTION A - General Education

College (sending)			University (receiving)						
Course Prefix & Number	Course Name	Credits	Course Prefix & Number	Course Name	+GE Area Met	RES/GLP Area Met	Credits Applied	Equiv Sub	
General Education									
801-136	English Composition 1	3	ENGL 101	Composition 1	COMSK		3	Equiv	
801-196	Oral/Interpersonal Comm	3	COMST 100	Fundamentals of Speech	COMSK		3	Equiv	
*804-113	College Technical Math 1A	3	MATH GXX	Math Electives			(3)		
806-154	General Physics 1	4	PHYS 241	College Physics I	ARNS		^4	Equiv	
809-195	Economics	3	ECON 201	General Economics	SBSC	GLP	3	Equiv	
809-198	Intro to Psychology	3	PSYC 110	General Psychology	SBSC		3	Equiv	
General Education Total		19	Section A Subtotal					17	

Special Notes for above section:

+See Section F for GE code definitions.

*If 804-114 is also taken, combined with 804-113 will transfer as MATH 120 Intro to College Math I. Student will still need to complete MATH 121 Intro to College Math II before taking the required MATH 153 Calculus I course.

^UW-Stouts PHYS 241 is a 5-credit course. The one credits short will be made up from the MATH GXX (3) credits.

SECTION B - Major, Concentration, Electives

			Program Core						
620-135	Basic Industrial Controls AND	2	ET 341	Electrical & Mechanical Interface Devices			3	Equiv	
620-139	ADV PLC Programming AND	2	ET XXX	Engineering Technology Elective			(3)		
620-158	PLC Applications	2							
620-154	Integration Application Capstone	4	ET 349	Cooperative Education Experience I			1	Equiv	
664-106	Mechatronics Internship	1							
620-130	Intro to Electromechanical Technlgy AND	2	ET 204	Electricity/Electronics Fundamentals			3	Equiv	
660-117	DC Circuits Analysis	2	ET XXX	Engineering Technology Elective			(1)		
606-163	AutoCAD Level 1	2	ETECH 201	Communication of Engineering Design I			*2	Equiv	
Industrial Automation Concentration									
620-114	Siemens Control Systems	2	ET 340	Motors and Generators			3	Equiv	
620-120	Motors and Drives	2	ET XXX	Engineering Technology Electives			(1)		
660-118	AC Circuits Analysis	2	ET 260	Electrical Circuits			*2	Equiv	
660-123	Industrial Electronic Devices	2	ET 272	Solid State Electronics			*2	Equiv	
620-141	Industrial Networking	2	ET 382	Electronic Communications			*2	Equiv	
620-153	Basic PLC Programming with Digital	2	ET 271	Digital Logic and Switching			*2	Equiv	
620-165	Robotic Maintenance AND	2							
664-100	Basic Robotic Programming	2	ETECH 230	Industrial Robotics & IoT Fundamentals			~3	~Equiv	
664-105	Advanced Robotic Programming	2	ETECH 415	Robotic Systems Integration			3	Equiv	
664-101	Mfg Execution Systems – HMI/SCADA	2	ET XXX	Engineering Technology Electives			2	#Sub	
664-103	Safeguarding and Safety Circuits	2	ET XXX	Engineering Technology Electives			2	#Sub	
664-104	Rapid Prototyping	2	ET XXX	Engineering Technology Electives			2	#Sub	
620-159	Process Control Systems	3							
620-164	Automation Systems Integration	2							
				Not applicable to UW-Stout's program requirements. See Section E for credit awarded (if applicable).					
Section B Subtotal								37	
Major, Emphasis, Unrestricted Electives Total		46	Total College Credits Applied (sum of sections A and B)					54	

Special Notes, if any:

*Courses at UW-Stout are 3 credit courses. Missing credit will be made up from () elective credits.

~ETECH 230 credits apply to Program Core

Subs apply towards and complete concentration electives.

SECTION C - Remaining University (receiving) Requirements

		*RES/GLP	
	General Education		
ENGL 102	Composition 2		3
MATH 153	Calculus I		4
PHYS 242	College Physics II		5
	Humanities & the Arts		6
ETECH 100	Impacts of Engineering	GLP	3
	Cross-Disciplinary Issues OR Social Responsibility & Ethical Reasoning		3
	General Education Subtotal		24
	Program Core		
CHEM 135	College Chemistry I		5
ET 290	Statics and Dynamics		3
ET 449	Cooperative Education Experience II		1
ET 405	Capstone I: Design Practicum		3
ETECH 150	Introduction to Engineering Materials		3
ETECH 205	Design for Industry		3
ETECH 260	Intro to Fluid Power & Heat Exchange		3
INMGT 200	Production & Operations Management		3
INMGT 325	Quality Management		3
INMGT 400	Organizational Leadership		3
RC 381	Prin of Occupational Risk Control/Safety		3
STAT 320	Statistical Methods		3
	Industrial Automation Concentration		
CS 144	Computer Science I		4
ET 374	Fund of Microprocessors & Microcomputer Systems		3
	Major Studies Subtotal		43
	Total Remaining UW-Stout Credits		67

Special Notes, if any:

*RES/GLP = Racial & Ethnic Studies and Global Perspective are required to receive a degree from UW-Stout. Courses may be identified on the previous page that may apply towards either of these requirements. If a required course remaining to be taken at UW-Stout will apply to either to these areas, this is also identified on the table above. More information on this is available in our online bulletin at bulletin.uwstout.edu in the Undergraduate Bulletin and within GENERAL EDUCATION, RES, GLP.

SECTION D - Summary of Total Program Credits

College (sending) Credits		University (receiving) Requirements	
General Education	19		
Major	46		
Total College Credits	65	Total College Credits Applied	54
		Remaining credit to be taken at University (receiving) Institution	67
		Total Program Credits	121

SECTION E – Sending Institution courses transferable, but not applicable to Receiving Institution program requirements AND Sending Institution courses not transferable.

664-101	Mfg Execution Systems – HMI/SCADA	2	ET XXX	Engineering Technology Electives	2
664-103	Safeguarding and Safety Circuits	2	ET XXX	Engineering Technology Electives	2
664-104	Rapid Prototyping	2	ET XXX	Engineering Technology Electives	2
Total Western Technical College Credits not applicable to Receiving Institution requirements		6			


SECTION F UW-Stout General Education Areas

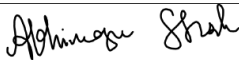


UW-Stout/ Western Technical College

B.S. Engineering Technology-Industrial Automation/A.A.S. Automation Systems Technology

COMSK	Communication Skills
ARNS	Analytic Reasoning & Natural Science
ARHU	Arts and Humanities
SBSC	Social and Behavioral Sciences
CISS	Cross-disciplinary Issues
SRER	Social Responsibility and Ethical Reasoning

SIGNATURE BLOCKS

Two-Year College	Name	Signature	Date
President	Dr. Roger Stanford		09/16/20

University of Wisconsin-Stout	Name	Signature	Date
Program Director	Abhimanyu Ghosh		July 2nd, 2020
Interim Dean	Gindy Neidermyer		
Interim Provost	Glendali Rodriguez		9/15/2020

Agreement contact Persons:

UW-Stout: Linda Young, youngl@uwstout.edu, 715-232-1787
 Abhimanyu Ghosh, ghosha@uwstout.edu, 715-232-1462

Western Technical College:

Dr. Josh Gamer, gamerj@westerntc.edu, 608-785-9088
 Dr. Kathleen Linaker, linakerk@westerntc.edu, 608-785-9106