

**ARTICULATION AGREEMENT
BETWEEN
UNIVERSITY OF WISCONSIN-STOUT
AND
Chippewa Valley Technical College**

This Agreement is entered into between **Chippewa Valley 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 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.S. Manufacturing Engineering Technologist** (hereinafter sending program), and the receiving institution has established a **B.S. Manufacturing Engineering** (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. Students at UW-Stout will be required to complete a minimum of 32 credits in residence for a bachelor's degree at UW-Stout.
- C. Students must complete the entire sending program and meet the receiving institution's admission requirements for the agreement to apply.
- D. If students don't meet the following requirements, they will be admitted as pre-Manufacturing Engineering. Completion of additional coursework at the receiving institution will complete the necessary requirements to be full admitted into the program.
 - 1. Must have an overall ACT score of 22 or better or student must be in the upper 40% of their high school graduating class; and
 - 2. Student must have an ACT MATH score of 22 or better.

II. Transfer of Credits

- A. The receiving institution will apply 28 of the 65 credits from the sending program. A total of 101 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. This Articulation Agreement is effective on 10/21/2014 and shall remain in effect until the end date of 10/21/2019 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 Articulation Agreement will be reviewed by both parties beginning 04/21/2020 (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 articulation agreement applies only to the receiving program in effect Fall 2014 until revised.

PROGRAM ARTICULATION TABLE

	Chippewa Valley Technical College	University of Wisconsin-Stout
Program name	Manufacturing Engineering Technologist	Manufacturing Engineering
Award Type (e.g., AAS)	AS	BS
Credit Length	65	129
Program admission requirements (if any)	Minimum 2.5 cumulative GPA plus requirements outlined in section I.D.	

SECTION A - General Education

Chippewa Valley Technical College			University of Wisconsin-Stout				
Course Prefix & Number	Course Name	Credits	Course Prefix & Number	Course Name	GE Area	Credits Applied	Equiv Sub Wav
801-136	English Composition 1	3	ENGL 101	Composition 1	COMSK	3	Equiv
801-196	Oral/Interpersonal Communication	3	SPCOM 100	Fundamentals of Speech	COMSK	3	Equiv
804-113 & 804-114 OR 804-115	College Technical Math 1A College Technical Math 1B College Technical Math 1	3 2 5	MATH 120 MATH GXX	Intro to College Math I Math Electives		* (5)	
804-116	College Technical Math 2	4	MATH 121	Intro to College Math II		* (4)	
804-189	Introductory Statistics	3	STAT 130 STAT GXX	Elementary Statistics Statistics Electives	ANRS	* (2) * (1)	
806-134 OR #806-245	General Chemistry OR Principles of Gen Chemistry I	4 5	CHEM 115 CHEM 135	General Chemistry College Chemistry I	ARNS	(4) 5	Equiv
806-154	General Physics 1	4	PHYS 211 PHYS 212	Introduction to Physics Introduction to Physics Lab		* (4)	
809-196	Intro to Sociology	3	SOC 110	Introductory Sociology	SBSC	3	Equiv
809-198	Intro to Psychology	3	PSYC 110	General Psychology	SBSC	3	Equiv
General Education Total		32-33	Section A Subtotal			17	

Special Notes, if any:

*Courses transfer but to not apply to any general education area.

#Recommended chemistry course.

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

606-160	Mfg. Materials and Processes	3	MFGT 150	Engineering Materials		3	Equiv
606-161	CAD Basic	3	ENGGR 112	Engineering Graphics Fund.		3	Equiv
606-130	Solid Modeling 1	3	ENGGR 210	Engineering Graphics using Solid Modeling		3	Equiv
623-154	Engineering Economy	3	INMGT 300	Engineering Economy		2 * (1)	Equiv
102-112 OR 102-188 OR 623-115	Principles of Management OR Project Management OR Industry Practicum	3	Not applicable to receiving institution's program requirements. See Section E for credit awarded (if applicable).				
103-102	Microsoft Office Suite	2					
606-102	Principles of Design	2					
606-104	Geometric Dimen & Tolerancing	3					
606-131	Solid Modeling II	3					
606-185	Blueprint Reading	1					
623-130	Lean Fundamentals	2					
623-132	Manufacturing Workplace Safety	2					
625-110	Mfg & Quality Assurance	3					
Section B Subtotal							
Major, Concentration, Emphasis, Electives Total		33	Total UW-Stout Credits Applied (sum of sections A and B)			28	

Special Notes, if any:

*credit awarded but not applicable to degree.

SECTION C - Remaining University of Wisconsin-Stout Requirements

		General Education	
	ENGL 102	Composition 2	3
	MATH 153	Calculus I	4
	MATH 154	Calculus II	4
		Arts & Humanities	6
		Contemporary Issues	3
		Social Responsibility & Ethical Reasoning	3
		Mathematics & Basic Sciences	
	CHEM 341	Chemistry of Materials	4
	STAT 330	Prob & Statistics for Engineering & Sciences	3
	MATH 250	Differential Equations & Linear Algebra	3
	PHYS 291	Statics	3
	MECH 292	Dynamics	3
	PHYS 282	University Physics II	5
		Engineering Core	
	ELEC 290	Circuits & Devices	4
	MECH 294	Mechanics of Materials	3
	MFGE 275	Thermodynamics and Heat Transfer	3
	MFGE 349 OR MFGE 449	Internship Experience OR Cooperative Experience	1
		Process, Assembly & Product Engineering	
	MFGE 441	Design of Jigs, Fixtures & Tooling	3
	MFGE 405	Capstone I: Concurrent Design	3
		Materials and Manufacturing Processes	
	MFGT 251	Fundamentals of Plastics Materials Processing	3
	MFGT 252	Material Removal & Forming Processes	3
	MFGT 253	Joining & Casting Processes	3
	MFGE 351	Manufacturing Process Engineering I	3
	MFGE 352	Manufacturing Process Engineering II	3
		Manufacturing Integration Methods and System Design	
	MFGE 325	Computer Aided Manufacturing	3
	MFGE 363	Controls & Instrumentation	4
	MFGE 391	Fluid Mechanics	3
	MFGE 415	Machine Vision & Robotics	2
	MFGE 410	Capstone II: Manufacturing Sys. Design	3
	MFGE 440	Mfg. System Design & Simulation	3
		Manufacturing Competitiveness	
	INMGT 422	Quality Engineering	3
	INMGT 335	Lean Manufacturing Systems	4
		Total Remaining UW-Stout Credits	
			101

Special Notes, if any:

SECTION D - Summary of Total Program Credits

Chippewa Valley Technical College Credits		University of Wisconsin-Stout Requirements	
General Education	32		
Major, Concentration, Emphasis, Electives or Other	33		
Total College Credits	65	Total College Credits Applied	28
		Remaining credit to be taken at UW-Stout	101
		Total Program Credits	129

Special Notes, if any:

**SECTION E – Chippewa Valley Technical College’s courses transferable,
but not applicable to University of Wisconsin-Stout’s program requirements AND Chippewa
Valley Technical College courses not transferable.**

102-112 OR 102-188 Or 623-115	Principles of Management Project Management Industry Practicum	3	BUMGT 304 INMGT 365 MFGT XXX	Principles of Management Project Management Manufacturing Technology Electives	3
103-102	Microsoft Office Suite	2	ICT XXX	ICT Electives	2
606-102	Principles of Design	2	MECH XXX	Engineering Mechanics Electives	2
606-104	Geometric Dimen & Tolerancing	3	MECH XXX	Engineering Mechanics Electives	2
606-131	Solid Modeling II	3	ENGGR 280	Engineering Graphics Applications	3
606-185	Blueprint Reading	1	ENGGR XXX	Engineering Graphics Elective	1
623-130	Lean Fundamentals	2	INMGT XXX	Industrial Management Electives	2
623-132	Manufacturing Workplace Safety	2	RC 381	Safety & Risk Control	2
625-110	Mfg & Quality Assurance	3	MFGT XXX	Manufacturing Technology Electives	3
Total CVTC Credits not applicable to UW-Stout requirements		21			
Special Notes, if any:					

Signatures completed November 18, 2014. A copy of the signed agreement available upon request.

SIGNATURE BLOCKS

Two-Year College	Name	Signature	Date
Vice President	Dr. Roger Stanford		
University of Wisconsin-Stout	Name	Signature	Date
Program Director	Dr. Devin Berg		
Dean	Dr. Charles Bomar		
Provost	Dr. Jacalyn Weissenburger		

Agreement contact Persons:
 UW-Stout: Linda Young, youngl@uwstout.edu, 715-232-1787
 Devin Berg, bergdev@uwstout.edu, 715-232-1133
 Chippewa Valley Technical College:
 Amy Mangin, amangin1@cvtc.edu, 715-833-6411