

**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. Plastics 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-Plastics 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 07/22/2015 and shall remain in effect until the end date of 07/22/2020 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 01/22/2020 (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 2015 until revised.

## PROGRAM ARTICULATION TABLE

	<b>Chippewa Valley Technical College</b>	<b>University of Wisconsin-Stout</b>
Program name	Manufacturing Engineering Technologist	Plastics Engineering
Award Type (e.g., AAS)	AS	BS
Credit Length	65	129
Describe 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
General Education							
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 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
<b>General Education Total</b>		<b>32-33</b>	<b>Section A Subtotal</b>			<b>17</b>	

**Special Notes, if any:**

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

#Recommended chemistry course.

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

Major, Concentration, Emphasis, Electives or Other Courses							
				<b>Major</b>			
606-160	Mfg. Materials and Processes	3	MFGT 150	Engineering Materials		3	Equiv
606-161	CAD Basic	3	ENGR 112	Engineering Graphics Fund.		3	Equiv
606-130	Solid Modeling 1	3	ENGR 210	Solid Modeling 1		3	Equiv
623-154	Engineering Economy	3	INMG 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		
			<b>Section B Subtotal</b>	12
<b>Major, Concentration, Emphasis, Electives Total</b>		33	<b>Total UW-Stout Credits Applied (sum of sections A and B)</b>	28
<b>Special Notes, if any:</b> *credit awarded but not applicable to degree.				

<b>SECTION C - Remaining University of Wisconsin-Stout Requirements</b>			
			<b>General Education</b>
	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
		<b>Engineering Core</b>	
	ELEC 290	Circuits & Devices	4
	MECH 294	Mechanics of Materials	3
	MFGE 275	Thermodynamics and Heat Transfer	3
	MFGE 391	Fluid Mechanics	3
	PLE 349 or PLE 449	Intern Experience or Cooperative Experience	1
		<b>Mathematics and Basic Science</b>	
	CHEM 325	Chemistry of Polymers	4
	STAT 330	Probability & Statistics	3
	MATH 250	Differential Equations/Linear Algebra	3
	PHYS 291	Statics	3
	MECH 292	Dynamics	3
	PHYS 282	University Physics II	5
		<b>Polymer/Plastic Materials, Processes, Analysis and Testing</b>	
	MFGT 250	Introduction to Plastics	3
	MFGT 341	Injection Molding Technology	3
	PLE 305	Extrusion Theory and Application	3
	PLE 310	Inj. Mold. Theory, Design, & Appl.	3
	PLE 340	Process Simulation and Analysis	3
	PLE 360	Testing and Analysis of Plastics	3
	PLE 420	Transport Phenom. Plastics Eng.	3
		<b>Product and Production System Design</b>	
	MFGE 325	Computer Aided Manufacturing	3
	MFGE 363	Controls & Instrumentation	4
	MFGE 415	Machine Vision & Robotics	2
	PLE 405	Capstone I: Process/Product Design	3
	PLE 410	Capstone II: Process/Product Development	3
		<b>Engineering and Professional Competitiveness</b>	
	INMGT 335	Lean Manufacturing Systems	4
	INMGT 422	Quality Engineering	3
		<b>Total Remaining University Credits</b>	101
<b>Special Notes, if any:</b>			

<b>SECTION D - Summary of Total Program Credits</b>			
<b>Chippewa Valley Technical College Credits</b>		<b>University of Wisconsin-Stout Requirements</b>	
<b>General Education</b>	32-33		
<b>Major, Concentration, Emphasis, Electives or Other</b>	33		
<b>Total College Credits</b>	65-66	<b>Total College Credits Applied</b>	28
		<b>Remaining credit to be taken at UW-Stout</b>	101
		<b>Total Program Credits</b>	129
<b>Special Notes, if any:</b>			

<b>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.</b>					
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	Solid Modeling II	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
<b>Total CVTC Credits not applicable to UW-Stout requirements</b>		21			
<b>Special Notes, if any:</b>					

***Signatures completed October 5, 2015. A copy of the signed agreement available upon request.***

SIGNATURE BLOCKS

Two-Year College	Name	Signature	Date
Vice President of Instruction, Interim	Lynette Livingston		
University of Wisconsin-Stout	Name	Signature	Date
Program Director	Dr. Adam Kramschuster		
Dean	Dr. Charles Bomar		
Provost	Dr. Jacalyn Weissenburger		

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