

**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 and any other accreditation currently in existence pertaining to degree programs articulated via the transfer agreement.

The sending institution has established an **A.S. Nano Engineering Technology** (hereinafter sending program), and the receiving institution has established a **B.S. Applied Science - Materials and Nanoscience** (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. To be admitted to the receiving institution students must have a cumulative GPA of 2.0 or higher in their sending institution associate degree program.
- E. The receiving institution will not require that transfer students choose a technical emphasis. Instead, transfer students will follow the program plan as described in this articulation agreement.
- F. A cumulative GPA of 2.0 is required to graduate in the receiving program.

II. Transfer of Credits

- A. The receiving institution will apply 37 of the 67 credits from the sending program. A total of 83 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. Any course with a grade of “C” or higher may be used towards the degree program. Grades 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 Chippewa Valley Technical College will provide academic advising to Chippewa Valley learners inquiring about UW-Stout’s programs. Learners will be connected with a UW-Stout adviser prior to transfer. UW-Stout and Chippewa Valley will share materials, catalogs, and other information to facilitate their understanding of requirements and programs. Chippewa Valley 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 02/16/2017 and shall remain in effect until the end date of 02/16/2022 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 beginning 08/22/2021 (within six months of the end date).
- 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 2016 until revised.

PROGRAM ARTICULATION TABLE

	Chippewa Valley Technical College	University of Wisconsin-Stout
Program name	Nano Engineering Technology	Applied Science – Materials and Nanoscience
Award Type (e.g., AAS)	AAS	BS
Credit Length	66-67	120
Describe program admission requirements (if any)		Minimum Cumulative 2.0 GPA

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	Equip Sub Wav
Students are encouraged to see section F for additional courses that may be taken at CVTC to meet additional general education requirements for this program at UW-Stout.							
801-136	English Composition 1	3	ENGL 101	Composition 1	COMSK	3	Equiv
801-196	Oral/Interpersonal Communication	3	COMST 100	Fundamentals of Speech	COMSK	3	Equiv
#804-115	College Technical Math 1	5	MATH 120 MATH GXX	Intro to College Math I Math Elective	#	4 1	
#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 Elective	#	2 1	
806-134 OR ~806-245	General Chemistry Principles of General Chemistry 1	4 or 5	CHEM 115 CHEM 135	General Chemistry College Chemistry	# ARNS	5	Equiv
806-154	General Physics	4	PHYS 211 PHYS 212	Introductory Physics Introductory Physics Lab	#	3 1	
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
635-100	<i>Fundamentals of Nanoscience</i>	^3	NANO 101	Explorations in Nanotechnology	CISS or SRER	3	Equiv
General Education Total		32-33	Section A Subtotal			20	

Special Notes, if any:

#Courses transfer but do not apply to degree program as a higher math course is required

*Course applied to program in Section B.

~Preferred course in 'or' option.

^Credit counted in section B for the sending course side.

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

Students following this articulation agreement will not be required to choose a technical emphasis and instead will follow this program plan described in sections B (courses transferred) and C (remaining courses).

102-112 OR 102-188 OR 623-114	Principles of Management Project Management Industry Practicum (192 Hours)	3	BUMGT 304 INMGT 365 APSC 349	Principles of Management Project Management Co-op Experience in APSC		3	Sub
605-116	Engineering Electronics	3	ET 204	Electricity/Electronics Fundamentals		3	Sub
623 107	Engineering Materials	3	ETECH 150	Intro to Engineering Materials		3	Sub
635-100	Fundamentals of Nanoscience	3	<i>NANO 101</i>	<i>Explorations in Nanotechnology</i>		#3	Equiv
635-112 AND 635-119	Micro & Nano Fabrication Lab Introduction to MEMS	2 3	NANO 230 NANO XXX	Characterization Methods of Nanomaterials Nanotechnology Electives		3 *2	Equiv
635-118 AND 635-114	Intro to Biotechnology Biotechnology Lab	3 2	BIO 136	College Molecular Cell Biology I		5	Sub

606-185	Blueprint Reading	1	Not applicable to UW-Stout's program requirements. See Section E for credit awarded (if applicable).	
606-161	CAD, Basic	3		
623-101	Engineering Principles	1		
623-132	Manufacturing Workplace Safety	2		
625-110	Manufacturing & Quality Assurance	3		
635-103	Lab Science Instrumentation	2		
			Section B Subtotal	17
Major, Emphasis, Unrestricted Electives Total		34	Total College Credits Applied (sum of sections A and B)	37
Special Notes, if any:				
*Credit does not apply to degree program				
#Credit counted on receiving institution side in section A.				

SECTION C - Remaining University of Wisconsin-Stout Requirements			
		*General Education	
	ENGL 102	Composition 2	3
	MATH 153/156	Calculus I/Calculus & Analytic Geometry I	4/5
	MATH 154/157	Calculus II/Calculus & Analytic Geometry II	4/5
		*Arts & Humanities	6
		*Contemporary Issues or Social Responsibility & Ethical Reasoning	3
		Major Studies	
	APSC 101	Applied Science Profession I	1
	APSC 349 OR APSC 398	Co-op or Field Experience (if not taken as part of Associate degree)	0-1
	APSC 401	Applied Science Profession II	1
	CHEM 136	College Chemistry II	5
	CHEM 301	Physical Chemistry Lecture	3
	CHEM 303	Physical Chemistry Lab	1
	CHEM 331	Quantitative Analysis	3
	CHEM 341	Chemistry of Materials	4
	ENGL 410	Scientific Communications	3
	MATH 250	Differential Equations & Linear Algebra	3
	NANO 301	Nanostructure	3
	NANO 401	Nanotechnology Applications	3
	PHYS 281	University Physics I	5
	PHYS 282	University Physics II	5
	PHYS 283	Modern Physics (number and name change in progress)	3
	PHYS 327	Solid State Physics	3
	BIO 489 or BIO 489 or PHYS 489	Research	2
	STAT 330	Probability and Statistics for Engineering	3
		Materials and Nanoscience Electives	
		Choose to complete UW-Stout credits	12
	200 level courses and above	With the following prefixes: ABMB, BIO, BUACT, BUMGT, BUMKG, CEE, CHEM, ENGR, ET, ETECH, INMGT, MATH, PHYS, SUST	
	MATH 158	Calculus III (3 cr)	
	NANO 110	Introduction to Vacuum Technology (2 cr)	
Total Remaining UW-Stout Credits			83
Special Notes, if any:			
*With careful planning students, may take a course that fits into any of these areas and also count towards the graduation requirements of racial and ethnic studies and/or global perspectives. While credits count once towards graduation, they may be used to satisfy multiple requirements.			

SECTION D - Summary of Total Program Credits

Chippewa Valley Technical College Credits		UW-Stout Requirements	
General Education	32-33		
Major, Concentration Emphasis, Electives or Other	34		
Total College Credits	66-67	Total College Credits Applied	37
		Remaining credit to be taken at UW-Stout	83
		Total Program Credits	120
Special Notes, if any:			

SECTION E – (Sending College’s) courses transferable,

but not applicable to University of Wisconsin-Stout program requirements AND Chippewa Valley Technical College courses not transferable.

606-185	Blueprint Reading	1	ETECH XXX	Engineering & Technology Electives	1	
606-161	CAD, Basic	3	ETECH XXX	Engineering & Technology Electives	3	
623-132	Manufacturing Workplace Safety	2	ETECH XXX	Engineering & Technology Electives	2	
625-110	Manufacturing & Quality Assurance	3	ETECH XXX	Engineering & Technology Electives	3	
635-100	Fundamentals of Nanoscience	3	NANO XXX	Nanotechnology Electives	3	
635-103	Lab Science Instrumentation	2	NANO XXX	Nanotechnology Electives	2	
Total Chippewa Valley Technical College Credits not applicable to UW-Stout requirements		15				

SECTION F – Additional courses that may be taken at Chippewa Valley Technical College applicable to the program at the University of Wisconsin-Stout but not applicable to the program at Chippewa Valley Technical College

NONE OF THESE COURSES ARE APPLIED TO ANY OF THE OTHER SECTIONS ABOVE.

Taking and completing any of these courses will reduce the # of remaining credits identified in Section C above.

Chippewa Valley Technical College			University of Wisconsin-Stout			
Course Prefix & Number	Course Name	Credits	Course Prefix & Number	Course Name	Credits	Area Applied
804-236	Calculus and Analytic Geometry I	5	MATH 156	Calculus and Analytic Geometry I	5	ARNS
804-240	Calculus and Analytic Geometry II	5	MATH 156	Calculus and Analytic Geometry II	5	ARNS
804-230	Statistics	4	STAT 330 STAT XXX	Probability & Statistics for Engineering Statistics Elective	3 (1)	MAJOR STUDIES
Total additional Chippewa Valley Technical College Credits applicable to UW-Stout requirements		14			13	

Signatures completed *March 8, 2017*. A copy of the signed agreement available upon request.

SIGNATURE BLOCKS

Two-Year College	Name	Signature	Date
Vice President - Instruction	Dr. Julie Furst Bowe		
University of Wisconsin-Stout	Name	Signature	Date
Program Director	Ann Parsons		
Dean	Dr. Charles Bomar		
Provost	Dr. Patrick Guilfoile		

Agreement contact Persons:

UW-Stout: Linda Young, youngl@uwstout.edu, 715-232-1787
 Ann Parsons, parsonsa@uwstout.edu, 715-232-2563

Chippewa Valley Technical College:

Rachelle Phakitthong, rphakitthong@cvtc.edu, 715-833-6411
 Hans Mikelson, hmikelson@cvtc.edu, 715-874-4638