



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

This Agreement is entered into between the Western Technical College and the University of Wisconsin-Platteville, WI. This Agreement and any amendments and supplements shall be interpreted pursuant to the guidelines set forth in the UW System Administrative Policy 135 (formerly ACIS 6.0) and UW System Administrative Policy 140 (formerly ACIS 6.2). 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.

Western Technical College Degree Type:

Associate of Applied Science (A.A.S.) in Mechanical Design Technology

UW-Platteville Degree Type:

Bachelor of Science (B.S.) in Industrial and Systems Engineering

Effective Date: September 1, 2025

Next Review Date: September 1, 2030

X New Agreement

Revised Agreement

I. Admission and Graduation Requirements Specific to this Agreement:

- a. Qualified Western Technical College A.A.S. students will be guaranteed admission to UW-Platteville's Engineering Partnership program as a transfer student assuming they meet the minimum requirements for admission to UW-Platteville.
- b. UW-Platteville's admission and program admission requirements apply to both direct entry students and to students who transfer under this agreement.
- c. Students must complete the Western Technical College A.A.S. program and meet UW-Platteville's admission requirements for the agreement to apply.
- d. Students must fulfill graduation requirements at both institutions.
- e. Students at UW-Platteville will be required to earn a minimum of 32 credits in residence at UW-Platteville with at least 23 of the last 32 credits in residence.
- f. The UW-Platteville Industrial and Systems Engineering program requires that a student must have a C- or better in every math and science course and all 1000, 2000, and 3000-level engineering courses, including those transferred in, to graduate with a Bachelor of Science in Industrial and Systems Engineering.



II. Transfer of Credits

- a. Appendix A contains:
 - a. A transfer pathway table illustrating the list of courses the student must complete to earn the Bachelor of Science in Industrial and Systems Engineering at UW-Platteville;
 - b. course/credit requirements fulfilled at Western Technical College; and,
 - c. the remaining courses the student must take at UW-Platteville.
- b. Additional coursework completed at Western Technical College may be transferrable to satisfy UW - Platteville general education or breadth requirements. These courses are listed in Appendix A or are searchable through Transferology® (<https://www.transferology.com/school/uwplatt>).
- c. Elective courses taken or substituted at Western Technical College not listed in this agreement will be reviewed on a case-by-case basis and determined how they may apply to the degree at UW-Platteville.

III. Additional Provisions

- a. Students transferring from Western Technical College with at least 60 credits will have GENENG 1030 waived at UW-Platteville.
- b. Students who complete the Associate of Applied Science (A.A.S.) in Mechanical Design Technology program at Western Technical College may use this with the Associate of Science (A.S.) degree for transfer; see Appendix B.

IV. Implementation and Review

- a. The Provost, Dean, School Director/Department Chair/Program Coordinator 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-Platteville and the Western Technical College will provide academic advising to the Western Technical College students inquiring about UW-Platteville's programs. Western Technical College will assist UW-Platteville in arranging recruitment events on its campus.
- 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 may provide a link to this agreement on its website, only after notifying the other party.
- d. Both parties agree that failure to maintain accreditation will be grounds for termination of this agreement.



- e. This Articulation Agreement is effective on September 1, 2025, and shall remain in effect until the end date of September 1, 2030, unless terminated or amended by either party with 90 days prior written notice. The agreement will be reviewed annually to ensure students are successful and that course transfers are still accurate.
- 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 for renewal by both parties beginning March 1, 2030 (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.

V. Signature Block

Approved by:

University of Wisconsin-Platteville	Name	Signature
Department Chair, Industrial and Systems Engineering	Dr. John Obielodan	DocuSigned by: <i>John Obielodan</i> 681E4G44F4A9446...
Dean of the College of Engineering, Mathematics and Science	Dr. Philip Parker	Signed by: <i>Philip Parker</i> 73645CCE6FEB416...
Provost and Vice-Chancellor	Dr. Laura Reynolds	Signed by: <i>Laura Reynolds</i> 8BE30A7E6041493...
Western Technical College		
Associate Dean of Integrated Technology	Mark Moulton	Signed by: <i>Mark Moulton</i> DE5138A7AC8A4E5...
Dean of Integrated Technology	Michael Poellinger	DocuSigned by: <i>MICHAEL POELLINGER</i> 52EA43B2E96D420...
Vice President of Learning	Dr. Rebecca Hopkins	Signed by: <i>Rebecca I. Hopkins</i> A24F701A5E3644E...

Agreement may be retrieved from: <https://www.uwplatt.edu/transferring-credits>

Questions regarding this agreement may be directed to:

Melissa Gavin

Director, Platteville Distance Engineering

gavinme@uwplatt.edu 608.342.1807



Appendix A

Program to Program Articulation Transfer Pathway

Effective Date: September 1, 2025

x Transfer pathway accompanies new agreement

☐ Revised transfer pathway for existing agreement

PROGRAM INFORMATION		
	Western Technical College	University of Wisconsin-Platteville
Program Name	Mechanical Design Technology (MDT)	Industrial and Systems Engineering (ISE)
Award Type (i.e. B.S.)	Associate of Applied Science (A.A.S.)	Bachelor of Science (B.S.)

SECTION A - COURSE TRANSFERS						
Fulfilled with the Western Technical College A.A.S. in Mechanical Design Technology						
Western Technical College			University of Wisconsin-Platteville			
Course Prefix & Number	Course Name	Credits	Course Prefix & Number	Course Name	Credits	Equiv. Sub Wav
606-115 and 606-164 and 606-165 and 606-184	Parametric Design 1 Design Problems Geometric Dim and Tolerance SolidWorks	3 4 3 2	GENENG 2030	Engineering Modeling and Design	3	Major
606-124	Statics and Strength of Materials	3	GENENG 2130	Engineering Mechanics – Statics	3	Major
420-119 and 606-133 and 420-120 and 606-156 and 606-158	Manufacturing and Engineering Materials Parametric Design 2 Manufacturing Processes/Machining CAM Mechanisms and Dynamics Design Analysis	3 4 3 3 3	GENENG 2340 and MECHENG 3230 and MECHENG 3830	Mechanics of Materials Manufacturing Processes Mechanisms and Machines	4 3 3	Major Major-elective
809-195	Economics	3	ECONOMIC 1010	Introduction to Economics	3	GE-Social Science
806-154*	General Physics 1	4	PHYSICS 1350	Introductory Physics I	4	GE-Natural Science



809-198	Introduction to Psychology	3	PSYCHLGY 1130	General Psychology	3	GE-Social Science
801-136	English Composition I	3	ENGLISH 1130	College Writing I	3	GE-English
Total Credits Earned		44	Total Credits Applied to B.S. ISE		26	
Below are courses that will transfer to UW-Platteville but do not count toward the B.S. in Industrial and Systems Engineering or the General Education requirements; the courses will assist students in reaching advanced standing for registration.						
801-197	Technical Reporting	3	ENGLISH 3000	Technical Writing	3	
804-113	College Technical Math 1A	3	Math 1000T	Math Elective	3	
Total Credits Earned		50	Total Credits Applied		35	

*Students can take WTC's 806-154 + NWTC 806-158 bolt on (which does have a calculus pre-requisite) = PHYSICS 2240, major requirement and GE-Natural Science

SECTION B – UW-PLATTEVILLE GENERAL EDUCATION REQUIREMENTS

	Suggested Courses to take within Associate Degree	UW-Platteville Equivalent	UW-Platteville Req. Credits	UWP Req. Met?
English Composition			3	No
World Languages			0–4	No
Speech			3	No
Mathematics*			3	No
Wellness			1	No
Physical Activity			1	No
Humanities			3	No
Fine Arts			3	No
Historical Perspective			3	No
Social Sciences			0	Yes
Natural Sciences*			8	No
Global Studies			3	No
Ethnic Studies^			3	No
Gender Studies^			3	No
Additional Natural Science*, Social Science or Mathematics*			0	Yes

Special Notes, if any:

* Courses may count towards the requirements for the major.

^Ethnic studies/Gender studies requirements must be met.

~Transferable courses are listed in Appendix A or are searchable through Transferology (<https://www.transferology.com/school/uwplatt>).

Wisconsin Act 15 may change General Education requirements starting in the 2026-2027 catalog.



SECTION C – REMAINING UNIVERSITY OF WISCONSIN-PLATTEVILLE REQUIREMENTS		
Course Prefix & Number	Course Name	Credits
Required Courses		
MATH 2640*	Calculus & Analytical Geometry I	4
MATH 2740	Calculus & Analytical Geometry II	4
MATH 4030	Statistical Methods with Applications	3
MATH 4050	Applied Regression Analysis	3
STAT 3230	Experimental Design and Analysis	3
CHEMISTRY 1450*	Chemistry for Engineers	5
BIOLOGY 2340	Essentials of Anatomy and Physiology	4
PHYSICS 2240*	General Physics I	4
General Engineering/Mechanics Core		
GENENG 2820	Engineering Economy	2
MECHENG 3040	Engineering Materials	3
Engineering/Computer/Data Science Electives		
Select two of the following:		
GENENG 2230	Engineering Mechanics- Dynamics	3
MECHENG 2630	Thermodynamics	3
GENENG 2930	Applications of Electrical Engineering	3
PHYSICS 2340	General Physics II	4
COMPUTER 1430	Introduction to Computer Programming	3
COMPUTER 2430	Object-Oriented Programming	3
STAT 2030	Data Visualization and Analysis	3
DATASCI 2010	Data Science I	3
ENERGY 2340	Fundamentals of Energy Sources	4
MATH 2840	Calculus & Analytical Geometry III	4
Industrial and Systems Engineering Core		
INDSTENG 2130	Fundamentals of Industrial & System Engineering	3
INDSTENG 3130	Industrial Engineering Computer Applications	3
INDSTENG 3530	Operations Research I	3
INDSTENG 3630	Work Measurement and Design	3
INDSTENG 3730	Engineering Management	3
INDSTENG 3830	Engineering Design of Systems	3
INDSTENG 4030	Production and Operations	3
INDSTENG 4130	System Simulation and Analysis	3
INDSTENG 4430	Quality Engineering	3
INDSTENG 4440	Human Factors	3
INDSTENG 4830	Engineering Continuous Improvement	3
INDSTENG 4930	Senior Design Project	3
Industrial and Systems Engineering Technical Electives		
Each student must complete 6 credits of technical electives in consultation with advisor.		
INDSTENG 3780	Systems Safety Engineering	3
INDSTENG 4230	Facilities Design	3
INDSTENG 4530	Operations Research II	3
INDSTENG 4540	Human Performance and System Design	3
INDSTENG 4630	Manufacturing Systems Design	3
MECHENG 3230	Manufacturing Processes	3
COMPUTER 2630	Data Structures	3
BUSADMIN 3130	Business Law	3
INDSTENG XXXX	Other Electives may be available	3



Professional Requirement		
Select one course from the following		
INDSTENG 3950	Industrial Engineering Cooperative Education	2
INDSTENG 3970	Industrial Engineering Internship	1
BUSADMIN 2330	Leadership and Management	3
	Other Professional Requirements may be available	1-3
	Total remaining Industrial and Systems Engineering credits	84-88
	Total remaining General Education credits^	20-30
	Total remaining UW-Platteville credits	104-118

*Courses may count toward the UW-Platteville General Education requirements.

^Wisconsin Act 15 may change General Education requirements starting in the 2026-2027 catalog.

Contact Information:

Melissa Gavin

Distance Engineering Programs

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Sample Course Plan

Associate of Applied Science to Bachelor of Science in Industrial and Systems Engineering

This is a sample plan to guide you through the transfer pathway between Western Technical College and the University of Wisconsin-Platteville. Upon completion, you will have earned an Associate of Applied Science degree from Western Technical College and a Bachelor of Science in Industrial and Systems Engineering from UW-Platteville. This is a sample plan and there are alternative paths to earning your degrees. Course offerings and rotations are subject to change. Please work with your advisor(s) to determine the best path forward for you.

WTC=Western Technical College; UWP=UW-Platteville

				Year One					
Semester One				Semester Two					
WTC	606-140	Applied Calculations in Engineering	2	WTC	605-138	Fund of Elecs & Fabrication	2		
WTC	606-163	AutoCAD	2	WTC	420-119	Mfg and Eng Materials	3		
WTC	804-113	College Technical Math 1A	3	WTC	420-120	Mfg Processes/Machining CAM	3		
WTC	801-136	English Composition 1	3	WTC	606-115	Parametric Design 1	3		
WTC	606-165	Geometric Dim & Tolerance	3	WTC	606-133	Parametric Design 2	4		
WTC	606-184	SolidWorks	2						
WTC	890-106	Strengths Seminar	1						
			Total Credits	16				Total Credits	15

				Year Two				
Semester One				Semester Two				
WTC	809-195	Economics	3	WTC	606-158	Design Analysis	3	
WTC	806-154	General Physics 1	4	WTC	606-164	Design Problems	4	
WTC	809-198	Intro to Psychology	3	WTC	620-112	Fluid Power Fund	2	
WTC	606-156	Mechanisms and Dynamics	3	WTC	801-197	Technical Writing	3	
WTC	606-124	Statics/Strength of Materials	4					
			Total Credits	17				
							Total Credits	12

				Year Three					
Semester One				Semester Two					
UWP	MATH 2640	Calculus and Analytical Geometry I	4	UWP	MATH 2740	Calculus and Analytical Geometry II	4		
UWP	CHEMSTRY 1450	Chemistry for Engineers	5	UWP	PHYSICS 2240	General Physics I	4		
UWP	ENGLISH 1230		3	UWP		GE-Speech	3		
UWP		GE-Humanities	3	UWP		GE-Physical Activity	1		
UWP	INDSTENG 2130	Fundamentals of Industrial & System Engineerir	3	UWP	INDSTENG 3130	Industrial Engineering Computer Applications	3		
				UWP	GENENG 2820	Engineering Economy	2		
			Total Credits	18				Total Credits	17

				Year Four					
Semester One				Semester Two					
UWP		GE-Fine Arts	3	UWP	ETHNSTDY 1030	GE -Gender Studies & GE-Ethnic Studies	3		
UWP	INDSTENG 3530	Operations Research I	3	UWP		Engineering/Computer/Data Science Electives	3		
UWP	MECHENG 3040	Engineering Materials	3	UWP	INDSTENG 3630	Work Measurement and Design	3		
UWP	MATH 4030	Statistical Methods with Applications	3	UWP	MATH 4050	Applied Regression Analysis	3		
UWP		Engineering/Computer/Data Science Electives	3	UWP	STAT 3230	Experimental Design and Analysis	3		
UWP	INDSTENG 3730	Engineering Management	3	UWP	INDSTENG 4440	Human Factors	3		
			Total Credits	18				Total Credits	18

			Summer
UWP		Professional Requirement	3
UWP	BIOLOGY 2340*	Essentials of Anatomy and Physiology	4
Total Credits			7

				Year Five					
Semester One				Semester Two					
UWP	INDSTENG 4430	Quality Engineering	3	UWP	INDSTENG 4930	Senior Design Project	3		
UWP	INDSTENG 4030	Production and Operations	3	UWP	INDSTENG 4830	Engineering Continuous Improvement	3		
UWP	INDSTENG 4130	System Simulation and Analysis	3	UWP		Industrial and Systems Engineering Technical E	3		
UWP	INDSTENG 3830	Engineering Design of Systems	3	UWP		GE-Historical Perspective*	3		
UWP		Industrial and Systems Engineering Technical E	3	UWP		GE-Global Studies*	3		
				UWP		GE-Wellness	1		
				UWP		Industrial and Systems Engineering Technical E	3		
			Total Credits	15				Total Credits	19

*One course may satisfy both General Education requirements.



Appendix B

Program to Program Articulation Transfer Pathway

Effective Date: September 1, 2025

X Transfer pathway accompanies new agreement

☐ Revised transfer pathway for existing agreement

PROGRAM INFORMATION		
	Western Technical College	University of Wisconsin-Platteville
Program Name and Award Type	Associate of Applied Science (A.A.S.) – Mechanical Design Technology (MDT) and Associate of Science (A.S.)	Bachelor of Science (B.S.) in Industrial and Systems Engineering (ISE)

SECTION A - COURSE TRANSFERS						
Fulfilled with the Western Technical College A.A.S. in Mechanical Design Technology						
Western Technical College			University of Wisconsin-Platteville			
Course Prefix & Number	Course Name	Credits	Course Prefix & Number	Course Name	Credits	Equiv. Sub Wav
606-115 and 606-164 and 606-165 and 606-184	Parametric Design 1 Design Problems Geometric Dim and Tolerance SolidWorks	3 4 3 2	GENENG 2030	Engineering Modeling and Design	3	Major
606-124	Statics and Strength of Materials	3				
420-119 and 606-133 and 420-120 and 606-156 and 606-158	Manufacturing and Engineering Materials Parametric Design 2 Manufacturing Processes/Machining CAM Mechanisms and Dynamics Design Analysis	3 4 3 3 3	GENENG 2340 and MECHENG 3230 and MECHENG 3830	Mechanics of Materials Manufacturing Processes Mechanisms and Machines	4 3 3	Major Major-elective
809-195	Economics	3	ECONOMIC 1010	Intro to Econ	3	GE-Social Science



806-154*	General Physics 1	4	PHYSICS 1350	Introductory Physics I	4	GE-Natural Science
809-198	Introduction to Psychology	3	PSYCHLGY 1130	General Psychology	3	GE-Social Science
801-136	English Composition I	3	ENGLISH 1130	College Writing I	3	GE-English
Total Credits Earned		44	Total Credits Applied to B.S. ISE		26	
Below are courses that will transfer to UW-Platteville but do not count toward the BS in Mechanical Engineering or the General Education requirements; the courses will assist students in reaching advanced standing for registration.						
801-197	Technical Reporting	3	English 3000	Technical Writing	3	
804-113	College Technical Math 1A	3	Math 1000T	Math Elective	3	
Total Credits Earned		50	Total Credits Applied		35	

*Students can take WTC's 806-154 + NWTC 806-158 bolt on (which does have a calculus pre-requisite) = PHYSICS 2240, major requirement and GE-Natural Science



SECTION B – UW-PLATTEVILLE GENERAL EDUCATION REQUIREMENTS

Fulfilled with the Western Technical College Associate of Science degree

	Suggested Courses to take within Associate Degree	UW-Platteville Equivalent	UW-Platteville Req. Credits	UWP Req. Met?
English Composition			6–7	Yes
World Languages			0–4	Yes
Speech			3	Yes
Mathematics*			3	Yes
Wellness			1	Yes
Physical Activity			1	Yes
Humanities			3	Yes
Fine Arts			3	Yes
Historical Perspective			3	Yes
Social Sciences			6	Yes
Natural Sciences*			8	Yes
Global Studies			0–3	Yes
Ethnic Studies^	809-217 Race, Gender, Class	TRANSFER 1000B	3	Yes
Gender Studies^	809-217 Race, Gender, Class	TRANSFER 1000B	3	Yes
Additional Natural Science*, Social Science or Mathematics*			3–4	Yes

All General Education Requirements (except the prescribed Ethnic and Gender Studies course) are met by the Western Technical College Associate of Science degree.

Special Notes, if any:

* Courses may count towards the requirements for the major.

^Ethnic studies/Gender studies requirements must be met.

~Transferable courses are listed in Appendix A or are searchable through Transferology (<https://www.transferology.com/school/uwplatt>).



SECTION C - COURSE TRANSFERS

Additional courses that can be fulfilled with the Western Technical College Associate of Science

Western Technical College			University of Wisconsin-Platteville		
Course Prefix & Number	Course Name	Credits	Course Prefix & Number	Course Name	Credits
806-209	College Chemistry 1	5	CHEMISTRY 1140	General Chemistry I	4
806-212	College Chemistry 2	5	CHEMISTRY 1240	General Chemistry II	4
804-231 and	Calculus and Analytical Geometry I	5	MATH 2640 and	Calculus and Analytical Geometry I	4
804-232	Calculus and Analytical Geometry II	5	MATH 2740	Calculus and Analytical Geometry II	4
806-207 and	Anatomy & Physiology I	4	BIOLOGY 2340**	Essentials of Anatomy and Physiology	4
806-208	Anatomy & Physiology II	4			
Total Credits Earned		28	Total Credits Applied		20

*Students can take WTC's 806-154 + NWTC 806-158 bolt on (which does have a calculus pre-requisite) = PHYSICS 2240, major requirement and GE-Natural Science

**806-207 and 806-208 only transfer as BIOLOGY 2340 for this agreement. Please refer to Transferology for actual transfer for other agreements.



SECTION D – REMAINING UNIVERSITY OF WISCONSIN-PLATTEVILLE REQUIREMENTS		
Course Prefix & Number	Course Name	Credits
Required Courses		
MATH 4030	Statistical Methods with Applications	3
MATH 4050	Applied Regression Analysis	3
STAT 3230	Experimental Design and Analysis	3
PHYSICS 2240*	General Physics I	4
General Engineering/Mechanics Core		
GENENG 2820	Engineering Economy	2
MECHENG 3040	Engineering Materials	3
Engineering/Computer/Data Science Electives		
Select two of the following:		
GENENG 2230	Engineering Mechanics- Dynamics	3
MECHENG 2630	Thermodynamics	3
GENENG 2930	Applications of Electrical Engineering	3
PHYSICS 2340	General Physics II	4
COMPUTER 1430	Introduction to Computer Programming	3
COMPUTER 2430	Object-Oriented Programming	3
STAT 2030	Data Visualization and Analysis	3
DATASCI 2010	Data Science I	3
ENERGY 2340	Fundamentals of Energy Sources	4
MATH 2840	Calculus & Analytical Geometry III	4
Industrial and Systems Engineering Core		
INDSTENG 2130	Fundamentals of Industrial & System Engineering	3
INDSTENG 3130	Industrial Engineering Computer Applications	3
INDSTENG 3530	Operations Research I	3
INDSTENG 3630	Work Measurement and Design	3
INDSTENG 3730	Engineering Management	3
INDSTENG 3830	Engineering Design of Systems	3
INDSTENG 4030	Production and Operations	3
INDSTENG 4130	System Simulation and Analysis	3
INDSTENG 4430	Quality Engineering	3
INDSTENG 4440	Human Factors	3
INDSTENG 4830	Engineering Continuous Improvement	3
INDSTENG 4930	Senior Design Project	3
Industrial and Systems Engineering Technical Electives		
Each student must complete 6 credits of technical electives in consultation with advisor.		
INDSTENG 3780	Systems Safety Engineering	3
INDSTENG 4230	Facilities Design	3
INDSTENG 4530	Operations Research II	3
INDSTENG 4540	Human Performance and System Design	3
INDSTENG 4630	Manufacturing Systems Design	3
COMPUTER 2630	Data Structures	3
BUSADMIN 3130	Business Law	3
INDSTENG XXXX	Other Electives may be available	3

**Professional Requirement**

Select one course from the following

INDSTENG 3950	Industrial Engineering Cooperative Education	2
INDSTENG 3970	Industrial Engineering Internship	1
BUSADMIN 2330	Leadership and Management	3
	Other Professional Requirements may be available	1-3
Total remaining UW-Platteville credits		67-71

*Courses may count toward the UW-Platteville General Education requirements.

Contact Information:

Melissa Gavin

Director, Platteville Distance Engineering Programs

gavinme@uwplatt.edu 608.342.1807