

**Appendix A
Program to Program Articulation Transfer Pathway**

Effective Date: 09/01/2019

Transfer pathway accompanies new agreement Revised transfer pathway for existing agreement

PROGRAM INFORMATION		
	McHenry College, Crystal Lake, IL	University of Wisconsin-Platteville, Platteville, WI
Program Name	Associate in Engineering Science	Mechanical Engineering
Award Type (i.e. B.S.)	AES	Bachelor of Science

SECTION A – GENERAL EDUCATION				
UW-Platteville Requirement	Suggested Courses to take within Associate in Engineering Science Degree	UW-Platteville Equivalent	UWP Required Credits	MCC Credits
English Composition	ENG 151 Composition I ENG 152 Composition II	ENGLISH 1130 Freshmen Composition ENGLISH 1230 Freshmen Composition	6–7	6
Entry Year Experience Not needed – with 30 transferrable credits			0 - 1	
Foreign Language § Complete One Semester of College or Two Years of HS			0–4	
Speech		SPEECH 1010 Public Speaking	2	
Mathematics*	MAT 175 Calculus with Analytic Geometry I	MATH 2640 Calculus & Analytical Geometry I	3	5
Wellness §			1	
Physical Activity §			1	
Humanities §	See General Education Course Options		3	3
Fine Arts §	See General Education Course Options		3	3
Historical Perspective §			3	
Social Sciences §	See General Education Course Options		6	6
Natural Sciences*	PHY 291 Principles of Physics I PHY 292 Principles of Physics II	PHYSICS 2240 General Physics I PHYSICS 2340 General Physics II	8	8
International Education §	See General Education Course Options		0–3	
Ethnic and Gender Studies †§	See General Education Course Options		0–6	
Additional Natural Science*, Mathematics*, or Social Science	MAT 245 Calculus with Analytic Geometry II	MATH 2740 Calculus & Analytical Geometry II	4	5
Total			42 -55	36

Special Notes, if any: * Courses may count towards the requirements for the major

† Requirements mandated by external professional accrediting associations must be met

‡ Ethnic studies/cultural diversity requirements must be met

§ Transferable courses are listed in Appendix A or are searchable through the Transfer Evaluation System (TES) (<https://www.uwplatt.edu/admission/transfer-credits>).

General education courses not completed at the sending institution must be completed at UW-Platteville. Associate in Engineering Science will include all Chemistry, Physics, and Math (except Statistical Methods) courses. Students must have a Minimum Total Credits of 125 for a Mechanical Engineering degree from UW-Platteville.

SECTION B – MAJOR, CONCENTRATION, EMPHASIS, ELECTIVES OR OTHER					
McHenry College, Crystal Lake, IL			University of Wisconsin-Platteville, Platteville WI		
Catalog Subject and Number	Course Name	Credits	Catalog Subject and Number	Course Name	Credits
MAT 255	Calc./Anal. Geo. III	4	MATH 2840	Calculus & Analytical Geometry III	4
MAT 260~	Differential Equations	3	MATH 3630	Differential Equations I	3
CHM 165	General Chemistry I	5	CHEMISTRY 1140	General Chemistry I	5
CHM 166	General Chemistry II	5	CHEMISTRY 1240	General Chemistry II	5
EGR 251	Statics	3	GENENG 2130	Engineering Mechanics-Statics	3
EGR 252	Dynamics	3	GENENG 2230	Engineering Mechanics-Dynamics	3
CSC 121	Computer Science I	4	Computer 1430	Programming in C++	4
Total College Credits Applied from Section B					27

~MAT 260 at McHenry College will transfer as for UW Platteville MATH 3630 Differential Equations I for Mechanical Engineering Majors.

SECTION C – REMAINING UNIVERSITY OF WISCONSIN-PLATTEVILLE REQUIREMENTS			
Catalog Subject and Number	Course Name	Credits	Course Attribute
MATH 4030	Statistical Methods with Applications	3	Major
GENENG 1030	Introduction to Engineering Projects	1	Major
GENENG 2030	Engineering Modeling and Design	3	Major
GENENG 2340	Mechanics of Materials	4	Major
GENENG 2820	Engineering Economics	2	Major
MECHENG 2630	Thermodynamics	3	Major
MECHENG 3030	Dynamical Systems	3	Major
MECHENG 3040	Engineering Materials	3	Major
MECHENG 3230	Manufacturing Processes	3	Major
MECHENG 3300	Fluid Dynamics	3	Major
MECHENG 3330	Design of Machine Elements	3	Major
MECHENG 3430	Introduction to Computational Methods	3	Major
MECHENG 3640	Heat Transfer	3	Major

MECHENG 3720	Mechanical Systems Laboratory	3	Major
MECHENG 3830	Mechanisms and Machines	3	Major
MECHENG 4330	Automatic Controls	3	Major
MECHENG 4720	Thermal Systems Laboratory	3	Major
MECHENG 4730	Thermo-Fluid Systems Design	2	Major
MECHENG 4930	Senior Design Project	3	Major
Technical Electives (7-9 Credits) Select 6 Credits from Technical Electives Plus A High Impact Practice			
MECHENG 4230	Design & Control of Manufacturing Systems	3	Technical Elective
MECHENG 4430	Advanced Materials	3	Technical Elective
MECHENG 4560	Computational Fluid Dynamics	3	Technical Elective
MECHENG 4640	Mechanical Design of Internal Combustion Engines	3	Technical Elective
MECHENG 4740	Mechanical Systems Design	3	Technical Elective
MECHENG 4800	Finite Element Method	3	Technical Elective
MECHENG 4840	Vibration Systems Design	3	Technical Elective
MECHENG 4850	Computer-Aided Engineering	3	Technical Elective
MECHENG XXX	Other Electives may be Streamed if Available	3	Technical Elective
	<i>High Impact Practice</i>	1-3	
MECHENG 3950	Mechanical Engineering Cooperative Education		
MECHENG 3970	Mechanical Engineering Internship		
MECHENG 4940	Undergraduate Research		
	Or an Additional Tech Elective		
Total Remaining UW-Platteville credits		61-63	

MCHENRY COUNTY COLLEGE GENERAL EDUCATION COURSE OPTIONS		
	General Education	UW-Platteville Req. Credits
Speech §	SPE151	2
Wellness §		1
Physical Activity §		1
Humanities §	ENG240, 251, 253, 254, 255, 256, 260, 261, 270, 271, 272, 275, 276; FRE252; GER252; JRN180; MUS151; PHI151, 160, 240, 251, 261, 262,; SPA252	3
Fine Arts §	ART151, 155, 165, 171, 174, 175; MUS153, 154, 171, 172, ; THE151	3
Historical Perspective §	HIS131, 132, 165, 170, 172; PLT150, 151, 155, 251, 255; PSY151, 251, 260, 265; SOC151, 175, 251, 260, 261	3
Social Sciences §	ANT151, 155, 160, 170; ECO251, 252; GEG202, 203, 204	6
International Education §	ANT155, 160, 170; ART155; ENG251, 254, 276; FRE252; GEG202, 204; GER252; MUS153; PHI160; PLT251, 255	0–3
Ethnic and Gender Studies ‡§	ENG275; SOC260, 261	0–6

Contact Information:

Transfer Coordinator and Advisor
 UW-Platteville Office of Admission
 608.342.1125 | transfer@uwplatt.edu

UW-PLATTEVILLE OFFICE USE ONLY		
Date Created 8.29.2019	Course Equivalencies in TES:	S:\WGroups\Articulation_Agreements_Transfer_Guides\NEW or UPDATED Agreements\2019 New Agreements