

**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		
	<b>McHenry College, Crystal Lake, IL</b>	<b>University of Wisconsin-Platteville, Platteville, WI</b>
Program Name	Associate in Engineering Science	Industrial 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			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 I	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 and) courses. Students must have a Minimum Total Credits of 123-125 for a Industrial 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 151	Engineering Graphics	4	GENENG 1320	Engineering Computer Graphics	2
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 C++	3
<b>Total College Credits Applied from Section B</b>		31			27

~MAT 260 at McHenry College will transfer as for UW Platteville MATH 3630 Differential Equations I for Industrial 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
Biology 2340	Essentials of Anatomy and Physiology	4	
GENENG 1030	Introduction to Engineering Projects	1	Major
GENEGN 2630 or ENGENG 2930	Basic Thermoscience for Engineers or Appl of Electrical Eng	3	Major
GENENG 2340	Mechanics of Materials	4	Major
GENENG 2820	Engineering Economics	2	Major
INDSTENG 2130	Fundamentals of Industrial & Systems Engineering	3	Major
INDSTENG 3130	Industrial Engineering Computer Applications	3	Major
INDSTENG 3430	Human Factors Engineering	3	Major
INDSTENG 3530	Operations Research I	3	Major

INDSTENG 3630	Work Measurement and Design	3	Major
INDSTENG 4030	Production & Operations Analysis	3	Major
INDSTENG 4230	Facilities Design	3	Major
INDSTENG 4430	Quality Engineering	3	Major
INDSTENG 4730	Engineering Management	3	Major
INDSTENG 4830	Engineering Continuous Improvement	3	Major
INDSTENG 4930	Industrial Systems Design	3	Major
MECHENG3040	Engineering Materials	3	Major
Technical Electives (minimum 12 Credits) in consultation with advisor		12	
<b>Total Remaining UW-Platteville credits</b>		<b>65</b>	

<b>MCHENRY COUNTY COLLEGE GENERAL EDUCATION COURSE OPTIONS</b>		
	<b>General Education</b>	<b>UW-Platteville Req. Credits</b>
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](mailto:transfer@uwplatt.edu)

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