

### 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	Environmental 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	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
<b>Total</b>			<b>42 -55</b>	<b>36</b>

**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 124 for a Environmental 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 Student will receive amount of credit completed at McHenry	Catalog Subject and Number	Course Name	Credits Student will receive amount of credit completed at McHenry
MAT 255	Calc./Anal. Geo. III	4	MATH 2840	Calculus & Analytical Geometry III	4
MAT 260~	Differential Equations	3	MATH 3630	Differential Equations	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	4
EGR 251	Statics	3	GENENG 2130	Engineering Mechanics- Statics	3
CSC 121	Computer Science I	4	COMPUTER 1000T	Elective	4
<b>Total College Credits Applied from Section B</b>		28			28

~MAT 260 at McHenry College will transfer as for UW Platteville MATH 3630 Differential Equations I for environmental 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
CHEMISTRY 3130/3110	Environmental Chemistry w/lab	4	Major
BIOLOGY 3240	Microbiology	5	Major
GEOLOGY 3130 or GEOGRPHY 1140 or SCSCI 2230	Engineering Geology or Global Landforms or Soils	3-4	Major
GENENG 1030	Introduction to Engineering Projects	1	Major
GENENG 2340	Mechanics of Materials	4	Major
GENENG 2820	Engineering Economics	2	Major
CIVILENG 2000	Introduction to Infrastructure	3	Major
CIVILENG 2220	Civil and Environmental Engineering Computer Applications	2	Major
CIVILENG 2630	Elements of Surveying	3	Major
CIVILENG 3300	Fluid Mechanics	4	Major
ENVENG 3340	Environmental Engineering	4	Major

CIVILENG 3740	Geotechnical Engineering I	4	Major
ENVENG 4300	Hydrology	3	Major
ENVENG 4310	Groundwater Hydrology	3	Major
ENVENG 4330	Air and Waste Management	3	Major
ENVENG 4400	Municipal Hydraulics	3	Major
ENVENG 4410	Wastewater Treatment & Management	3	Major
ENVENG 4420	Water Supply & Treatment	3	Major
CIVILENG 4930	Civil and Environmental Engineering Design Project	3	Major
<b>9 credits from following</b>			
SCSCI 2230	Soils	4	Major
CIVILENG 4630	Geographic Information Systems	3	Major
AGRIC 3400	Field Methods in Agricultural Hydrology	1	Major
CIVILENG 3020 or 3030	Construction Engineering or Construction Materials	3	Major
CIVILENG 4640	Site Design and Stormwater Management	3	Major
INDSUTDY 1010	Principles of Safety and Risk Management	3	Major
INDSTENG 3780	System Safety Engineering	3	Major
INDUSTDY 3590	Industrial Hygiene and PPE	3	Major
RECLAM 3880	Environmental Law	3	Major
GENENG 2630	Basic Thermoscience for Engineers	3	Major
ENERGY 2340	Fundamentals of Energy Sources	4	Major
ENERGY 3330	Energy Conversion, Transportation, & Storage Systems	3	Major
ENERGY 3430	Green Building Design	3	Major
BIOLOBY 3750	Freshwater Biology	4	Major
BIOLOBY 3450	Ecology and Evolution	3	Major
RECLAM 3010	Current Topics in Reclamation and Restoration	1-3	Major
ACCTNG 2010	Financial Accounting	3	Major
BUSADMIN 2330	Leadership and Management	3	Major
INDSTENG 4430	Quality Engineering	3	Major
ENTRP 1020	Introduction to Entrepreneurship	3	Major
BUSADMIN 3130	The Legal Environment of Business	3	Major
BUSADMIN 3230	Small Business Management	3	Major
CHEMISTRY 3540	Organic Chemistry Lecture	4	Major
CHEMISTRY 2150	Quantitative Analysis	4	Major
CHEMISTRY 4240	Instrumental Analysis	4	Major
<b>Total Remaining UW-Platteville credits</b>		<b>72-73</b>	

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  
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Date Created 8.29.2019	Course Equivalencies in TES:	S:\WGroups\Articulation_Agreements_Transfer_Guides\NEW or UPDATED Agreements\2019 NewAgreements