

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	Software Engineering
Award Type (i.e. B.S.)	AES	Bachelor of Science

SECTION A – GENERAL EDUCATION				
	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 §	Select HIS165, SOC260, or SOC261 (will satisfy MCC Non-Western requirement)		3	3
Social Sciences §	ECO251 or ECO252 and one additional course from General Education Chart Below	ECO2130 Princ of Macroeconomics or ECO2230 Princ of Microeconomics	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 §			0–3	
Ethnic and Gender Studies ‡§			0–6	

Additional Natural science*, Mathematics*, or Social Science	MAT 245 Calculus with Analytic Geometry I	MATH 2740 Calculus & Analytical Geometry II	3-4	5
Total			39-55	39

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 122 for an Engineering Physics 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
CSC 121	Computer Science I	4	COMPUTER 1430	Programming C++	3
CSC 122	Computer Science II	4	COMPUTER 2430	Object-Oriented Programming & Data Structures	4
	Select one additional course from AES Engineering Specialty courses	2-5			
Total College Credits Applied from Section B		22-25			19

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

SECTION C – REMAINING UNIVERSITY OF WISCONSIN-PLATTEVILLE REQUIREMENTS			
Catalog Subject and Number	Course Name	Credits	Course Attribute
BIOLOGY 2340	Essentials of Anatomy & Physiology	4	Prerequisite
MATH 2740	Discrete Mathematics	3	Major
MATH 4030	Statistical Methods & Applications	3	Major
SOFTWARE 2730	Engineering Modeling & Design	3	Major
SOFTWARE 3330	Intermediate Software Engineering	3	Major
SOFTWARE 3430	Object Oriented Analysis and Design	3	Major
SOFTWARE 3730	Software Quality	3	Major
SOFTWARE 3860	Software Maintenance and Reengineering	3	Major
SOFTWARE 4110	Software Engineering Seminar	1	Major

SOFTWARE 4130	Real-Time Embedded Systems Programming	3	Major
SOFTWARE 4330	Software Engineering Project I	3	Major
SOFTWARE 4730	Software Engineering Project II	3	Major
COMPUTER 2630	Object-Oriented Programming and Data Structures II	3	Major
COMPUTER 3230	Computer Architecture/Operating Systems	3	Major
COMPUTER 3830	Data Communications and Computer Networks	3	Major
COMPUTER 3840	Introduction to Computer Security	3	Major
Two from following: COMPUTER 3030, 3520, 3630, 3720, 3920	Artificial Intelligence, Programming Language Structures, Database Design & Implementation, Mobile App Dev, Computer Graphics	6	Major
Select one of the following sequences: Digital Application Domain Sequence Engineering Management Application Sequence		9	Major
Total Remaining UW-Platteville credits		62	

MCHEMRY 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 New Agreements