Bachelor of Science in Civil Engineering

STARK STATE COLLEGE

Courses Accepted for Transfer at the University of Mount Union Course Stark State College University of Mount Union SSCI01 Student Success 1 FNS 100 First Year Seminar 1 ENG124 College Composition 3 ENG 199 General Elective 3 MTH 135 Fre-calculus 5 MTH 140 Precalculus 5 CHM141 Principles of Chem I 5 CHE 110N Foundations in Chemistry 5 Spring 1 CHE 110N Foundations in Chemistry 5 5 MTH 235 Che Library 5 CHE 120N Concepts in Chemistry 5 MTH 222 Calculus I 4 MTH 141 Calculus I 4 MTH 235 Cultural Diversity 3 SOC 299 Cultural Diversity 3 Summer 1 15 Summer 1 4 MTH 142 Calculus II 4 MTH 222 Cultural Diversity 3 SOC 299 Cultural Diversity 3		<i></i>			302202	
Stark State College	Curricul	um for Associate of Science in Pre-Engin	eering -		Courses Accepted for Transfer at the University	/
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MTH223 Calculus						
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PHY221 Physics	MTH224	Calculus II		MTH 142	Calculus II	
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Spring 2	CST121	Modeling and Simulation	3	EGE 110 ²	Introduction to Engineering Profession	3
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MET221 Adv. Strength of Materials 2 EGE 240¹ Mechanics of Materials 2 MTH227 Ordinary Differential Equations 3 MTH 335 Differential Equations 3 BDET125 Basic AutoCAD 3 EGE 120² Introduction to Engineering Design 3 BUS221 Microeconomics 3 ECN 200S Microeconomics 3 Take EGE 220 at Mount Union in the Spring as a Transient student if accepted to Mount Union for Fall. 14 14 Additional Courses needed prior to Mount Union 14 14 14 Additional Courses needed prior to Mount Union EGE 220 Thermofluids I 4 Fluid Mechanics I 2 EGE 220 Thermofluids I 4 CET121 Building Materials and Const. Methods 3 ECE 230 Construction Materials 3 MET223 Dynamics 2 EGE 210¹ Statics and Dynamics 2		Spring 2				
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Basic AutoCAD 3 EGE 130 ² Computer-Aided Design 3	MTH227	Ordinary Differential Equations	3	MTH 335	Differential Equations	3
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Notes

(1) MET124+MET221+MET223 (total of 8 credits) = EGE210 +EGE240 (total of 8 credits) (2) CST121 + DET125 (total of 6 credits) = EGE110 + EGE120 + EGE130 (total of 6 credits)

Revised: 3/21/2022

UNIVERSITY OF MOUNT UNION

COURSES TO BE COMPLETED AT UNIVERSITY OF MOUNT UNION BACHELOR OF SCIENCE - CIVIL ENGINEERING

Course	Fall 3	Credits	Course	Spring 3	Credits
XXX 101	World Language 101	4	MTH 322	Linear Algebra	4
ECE 310	Engineering Surveying	2	XXX 102	World Lanaguage 102	4
ECE 330	Environmental Engineering	4	EGE 320G	Global Engg. (IC Explor Global)	4
ECE 350	Geotechnical Engineering	4	ECE 340	Structural Analysis	4
ECE 370	Construction Engg. and Mgt.	4	ECE 360	Water Resources Engg.	4
		18			20
	Fall 4			Spring 4	
ECE 320	Transp. Engr. & Traffic Analys.	2	MTH 305	Intro. Prob. & Stats. for Engg.	2
ECE 420	Structural Design	4	EGE 310	Product Design & Devel.	4
ECE 440	Sustainable Infrastr. Design	2	ECE 460	Geotechnical Engr. Design	2
ECE 470	Construction Mthds. & Equip.	2	ECE 490	CE Capstone Design II	4
ECE 480	CE Capstone Design I	2	XXX XXX	Science Elective	4
XXX XXXV	IC Exploration - Values and Reas.	4	CAP 400	IC Capstone	4
		16			20

	Summary	
Civil Engin	Civil Engineering Major	
Math Prof	ficiency	0
World Lar	nguage Proficiency (addt.credits)	8
XXX XXXV	"V" Exploration	4
XXX XXXG	"G" Exploration	0
XXX XXX	IC Capstone	4
University	74	
AS STARK	63-77	
Degree Total 137-		

University of Mount Union Transfer Notes:

Total minimum number of hours needed to graduate is 128.

Math Proficiency is met with AS from Stark State

Student must complete a minimum of 48 hours at UMU, of which a minimum of 16 in the major and 6 in the minor are required.

A minor is required at UMU.

World language proficiency can be met with a proficiency exam OR by taking a 200 level course in SPN or CHN at Stark State. If students tested proficient, or successfully passed these courses, no courses would be needed at UMU. If not, the student would need to take one or two world language courses.

MTH 322 + MTH 335 = MTH 333 Differential Equations and Linear Algebra requirement.