

College of Engineering

Bachelor of Science in Civil Engineering

Associate to Bachelor's (A→B) Articulation Agreement

For more information contact:

Office of Student Services
Metropolitan Community College
Elkhorn Valley Campus
(402) 289-1205
Fort Omaha Campus
(402) 457-2705
South Omaha Campus
(402) 738-4505
Sarpy Center
(402) 537-3800
Fremont Area Center
(402) 721-2507
Applied Technology Center
(402) 763-5800
Washington County Technology Center
402-533-8400
www.mccneb.edu

University of Nebraska (Omaha Campus)
College of Engineering
Civil Engineering Department
John Stansbury
(402) 554-2462
www.unomaha.edu

2013 – 2014

Civil Engineering is a program in the College of Engineering at the University of Nebraska – Lincoln (UNL). The program is offered at the University of Nebraska at Omaha (UNO) campus at the Peter Kiewit Institute. For more information, see the program website <http://www.engineering.unl.edu/civil/index.shtml>.

Pre-Civil Engineering (PECVO)

Associate in Science

This guide to the Pre-Civil Engineering transfer degree lists courses by MCC degree requirements.

General Education Requirements..... 27

Communications				Quantitative / Numeracy Skills			
ENGL	1010	English Composition I ** ACE 1	4.5	MATH	1310	Intermediate Algebra ^	4.5
ENGL	1020	English Composition II ACE 1	4.5	Other			
SPCH	1110	Public Speaking # ACE 2	4.5	HMRL	1010	Human Relations Skills *	4.5
				INFO	1001	Information Systems & Literacy	4.5

Major Requirements for Pre-Civil Engineering 74 - 78.5

Qualitative / Numeracy Skills / Computer Science				Social Sciences <i>Select 2 courses</i>			
INFO	1521	Java Programming I #	4.5	ECON	1000	Macroeconomics # ACE 6 or 8	4.5
MATH	1420	College Algebra ^	5	ECON	1100	Microeconomics # ACE 6 or 8	4.5
				GEOG	1010	Fundamentals of Geography #	4.5
Humanities <i>Select 1 course</i>				GEOG	1050	Intro to Human Geography # ACE 9 (CS)	4.5
ENGL	2450	Introduction to Literature # ACE 5	4.5	HIST	1110	World Civ. I, to 1500 #ACE 9 (CS)	4.5
HIST	1010	United States History to 1877 # ACE 5	4.5	HIST	1120	World Civ. II, to Present #ACE 9 (CS)	4.5
HIST	1020	U. S. History - 1877 to Present # ACE 5	4.5	POLS	2050	American National Government # ACE 8	4.5
PHIL	1010	Introduction to Philosophy # ACE 5	4.5	PSYC	1010	Introduction to Psychology # ACE 6	4.5
PHIL	1030	Professional Ethics # ACE 8	4.5	SOCI	1010	Introduction to Sociology # ACE 6	4.5
PHIL	2200	Intro. to Comparative Religion # ACE 9 (CS)		SOCI	2050	Current Social Problems # ACE 6 (CS)	4.5
THEA	1000	Introduction to the Theatre # ACE 7	4.5	SOCI	2160	Marriage and the Family # ACE 9 (CS)	4.5
ARTS	1110	Art History – Ancient-Gothic # ACE 7	4.5	SOCI	2310	Criminology # ACE 6	4.5
ARTS	1120	Art History – Renaissance-Modern # ACE 7	4.5	Natural Sciences / Quantitative / Numeracy Skills 40.5 credit hrs.			
MUSC	1010	Introduction to Music #ACE 7	4.5	MATH	2410	Calculus I # ACE 3	7.5
MUSC	1050	Music Appreciation # ACE 7	4.5	MATH	2411	Calculus II # ACE 3	7.5
THEA	1000	Introduction to the Theatre # ACE 7	4.5	MATH	2412	Calculus III # ACE 3	6
				MATH	2510	Differential Equations # ACE 3	4.5
				PHYS	210ABC	General Physics IA, IB, IC # ACE 4	7.5
				PHYS	211ABC	General Physics IIA, IIB, IIC # ACE 4	7.5
Cultural Studies <i>Select 1 course from Social Sciences or Humanities marked (CS) above</i>				Electives			
				CHEM	1210&1211	General Chemistry: Parts I & II OR	6
				CHEM	1212	General Chemistry: Accelerated #	

Total Required Quarter Hours..... 101 - 105.5

Maximum Transferable Semester Hours to UNO 64 (96 QH)

NOTES

* Courses are required for MCC's Associate in Science Degree but do not transfer to the College of Engineering.

** Courses are required for MCC's Associate in Science Degree and are transferable to UNO, but are not required for the College of Engineering.

^ Courses are not required for the College of Engineering, but are prerequisites to other courses. For example, MATH 1310 is not required but is needed to prepare for MATH 1420 and MATH 2410.

Courses transfer to the UNL Civil Engineering program offered on the UNO campus.

Students are encouraged to enroll in EMEC 2230 Engineering Statics, EMEC 3250 Mechanics of Elastic Bodies and EMEC 3730 Engineering Dynamics on the UNO campus while completing the transferable courses listed above. Upon transferring to Civil Engineering program, students may still have more than two years left to complete program requirements. Contact an advisor at UNO for details.

Students planning to enroll in Civil Engineering should discuss their overall program of study with a Civil Engineering advisor. Please call 554-2462 for an appointment.

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Pre-Civil Engineering (PECVO)

Associate in Science

This guide to the Pre-Civil Engineering transfer degree lists course by UNL ACE general education requirements.

General Education Requirements.....27

Communications				Quantitative / Numeracy Skills			
ENGL	1010	English Composition I **	4.5	MATH	1310	Intermediate Algebra ^	4.5
ENGL	1020	English Composition II	4.5	Other			
SPCH	1110	Public Speaking #	4.5	HMRL	1010	Human Relations Skills *	4.5
				INFO	1001	Information Systems & Literacy	4.5

Major Requirements for Pre-Civil Engineering.....78.5

Qualitative / Numeracy Skills / Computer Science				ACE SLO 7 Elective Select 1 course			
INFO	1521	Java Programming I #	4.5	ARTS	1110	Art History – Ancient/Gothic #	4.5
MATH	1420	College Algebra ^	5	ARTS	1120	Art History – Renaissance/Mod. #	4.5
ACE SLO 5 Electives Select 1 course				MUSC	1010	Introduction to Music #	4.5
ENGL	2450	Introduction to Literature #	4.5	MUSC	1050	Music Appreciation #	4.5
HIST	1010	United States History to 1877 #	4.5	THEA	1000	Introduction to Theatre #	4.5
HIST	1020	U. S. History from 1877 to Present #	4.5	ACE SLO 8 ELECTIVE Select 1 course			
PHIL	1010	Introduction to Philosophy #	4.5	ECON	1000	Macroeconomics #	4.5
PHIL	2030	Introduction to Ethics #	4.5	PHIL	1030	Professional Ethics #	4.5
ACE SLO 6 ELECTIVE Select 1 course				ACE SLO 9 ELECTIVE Select 1 course			
CRIM	1010	Introduction to Criminal Justice #	4.5	ECON	2720	International Economics #	4.5
ECON	1100	Microeconomics #	4.5	GEOG	1050	Intro. to Human Geography #	4.5
PSYC	1010	Introduction to Psychology #	4.5	GEOG	2150	World Regional Geography #	4.5
PSYC	1120	Human Growth/Development #	4.5	HIST	1110	World Civ. Prehistory to 1500 #	4.5
PSYC	1130	Cognitive Development #	4.5	HIST	1120	World Civilization II #	4.5
SOCI	1010	Introduction to Sociology #	4.5	PHIL	2200	Intro. to Comparative Religion #	4.5
SOCI	1250	Introduction to Anthropology #	4.5	Electives			
Natural Sciences / Quantitative / Numeracy Skills				CHEM	1210&1211	General Chemistry: Parts I & II OR	6
MATH	2410	Calculus I #	7.5	CHEM	1212	General Chemistry: Accelerated #	
MATH	2411	Calculus II #	7.5				
MATH	2412	Calculus III #	6				
MATH	2510	Differential Equations #	4.5				
PHYS	210ABC	General Physics IA, IB, IC #	7.5				
PHYS	211ABC	General Physics IIA, IIB, IIC #	7.5				

Total Required Quarter Hours105.5

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