

College of Engineering

Bachelor of Science in Construction 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
 Durham School of Architectural Engineering and Construction

Christine Warren

(402) 554-3918

cwarren2@unl.edu

www.durhamschool.unl.edu

Construction 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.durhamschool.unl.edu>

This guide is based on the MCC catalog requirements. For a guide based on the UNL ACE requirements see page 2.

Pre-Construction Engineering (PECTO) Associate in Science

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-Construction Engineering 78.5

Qualitative / Numeracy Skills / Computer Science				Social Sciences			
INFO	1521	Java Programming I #	4.5	ECON	1100	Microeconomics # ACE 6	4.5
MATH	1420	College Algebra ^	5	Select 1 additional course			
Humanities Select 1 course				ECON	1000	Macroeconomics # ACE 8	4.5
ENGL	2450	Introduction to Literature # ACE 5	4.5	GEOG	1010	Fundamentals of Geography**	4.5
HIST	1010	United States History to 1877 # ACE 5	4.5	GEOG	1050	Intro to Human Geography # ACE 9 (CS)	4.5
HIST	1020	U. S. History from 1877 to Present # ACE 5	4.5	HIST	1110	World Civ. I, to 1500 # ACE 9(CS)	4.5
PHIL	1010	Introduction to Philosophy # ACE 5	4.5	HIST	1120	World Civ. II, to Present # ACE 9(CS)	4.5
PHIL	1030	Professional Ethics # ACE 8	4.5	POLS	2050	American National Government # ACE 8	4.5
PHIL	1100	Critical Reasoning ACE 3	4.5	PSYC	1010	Introduction to Psychology**	4.5
PHIL	2200	Intro. to Comparative Religion # ACE 9 (CS)	4.5	SOCI	1010	Introduction to Sociology**	4.5
ARTS	1110	Art History – Ancient-Gothic # ACE 7	4.5	SOCI	2050	Current Social Problems (CS)	4.5
ARTS	1120	Art History – Renaissance-Modern # ACE 7	4.5	SOCI	2160	Marriage and the Family # ACE 9 (CS)	4.5
MUSC	1010	Introduction to Music # ACE 7	4.5	SOCI	2310	Criminology **	4.5
MUSC	1050	Music Appreciation # ACE 7	4.5	Natural Sciences / Quantitative / Numeracy Skills 40.5 credit hrs.			
THEA	1000	Introduction to the Theatre # ACE 7	4.5	MATH	2410	Calculus I # ACE 3	7.5
Cultural Studies Select 1 course from Social Sciences or Humanities marked (CS) above or under Social Sciences				MATH	2411	Calculus II # ACE 3	7.5
Electives (Major Related) 18 credit hrs.				MATH	2412	Calculus III # ACE 3	6
CHEM	1210&1211	General Chemistry: Parts I & II OR	6	MATH	2510	Differential Equations # ACE 3	4.5
CHEM	1212	General Chemistry: Accelerated #					
PHYS	210ABC	General Physics IA, IB, IC # ACE 4	7.5				
PHYS	211ABC	General Physics IIA, IIB, IIC # ACE 4	7.5				

Total Required Quarter Hours..... 105.5

Maximum Transferable Semester Hours to UNO 60 (90QH)

Credits are listed in Quarter Hours. 4.5 Quarter Hours = 3 Semester Hours.

NOTES

(ACE-X) Course meets UNL ACE requirement. (ACE-X or Y) Course can meet either UNL ACE requirement.

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

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^ 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 Construction Engineering program offered on the UNO campus.

In addition to the courses listed above, a course in Engineering Statics EMEC 2230 is recommended. Students are encouraged to co-enroll in the UNO course while completing the transferable MCC courses. Contact an advisor at UNO for details.

Students planning to enroll in Construction Engineering should discuss their overall program of study with a Construction Engineering advisor. Please call (402)-554-3918 for an appointment.

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Pre-Construction Engineering (PECTO) Associate in Science

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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-Construction Engineering78.5

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 3 Natural Science / Qualitative / Numeracy Skills				MUSC	1010	Introduction to Music #	4.5
MATH	2410	Calculus I #	7.5	MUSC	1050	Music Appreciation #	4.5
MATH	2411	Calculus II #	7.5	THEA	1000	Introduction to Theatre #	4.5
MATH	2412	Calculus III #	6	ACE SLO 8 Elective Select 1 Course			
MATH	2510	Differential Equations #	4.5	ECON	1000	Macroeconomics #	4.5
ACE SLO 4 Natural Science (Major Related)				PHIL	1030	Professional Ethics #	4.5
PHYS	210ABC	General Physics IA, IB, IC #	7.5	ACE SLO 9 Elective Select 1 Course			
PHYS	211ABC	General Physics IIA, IIB, IIC #	7.5	ECON	2720	International Economics #	4.5
CHEM	1210&1211	General Chemistry: Parts I & II OR	6	GEOG	1050	Introduction to Human Geography #	4.5
CHEM	1212	General Chemistry: Accelerated #		GEOG	2150	World Regional Geography #	4.5
ENGR	1050	Introduction to Engineering	3	HIST	1110	World Civilization, Prehistory to 1500 #	4.5
ENGR	1060	Intro. to Computer Aided Graphics	4.5	HIST	1120	World Civilization II #	4.5
ACE SLO 5 Elective Select 1 course				PHIL	2200	Introduction to Comparative Religion #	4.5
ENGL	2450	Introduction to Literature #	4.5				
HIST	1010	United States History to 1877 #	4.5				
HIST	1020	U. S. History from 1877 to Present #	4.5				
PHIL	1010	Introduction to Philosophy #	4.5				
PHIL	2030	Introduction to Ethics #	4.5				
ACE SLO 6 (Required / Specified Course)							
ECON	1100	Microeconomics #	4.5				

Total Required Quarter Hours.....105.5

Maximum Transferable Semester Hours to UNO60 (90QH)

Credits are listed in Quarter Hours. 4.5 Quarter Hours = 3 Semester Hours.

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