



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
www.mccneb.edu

University of Nebraska (Omaha Campus)
College of Engineering
Brenda Painter
Academic Advisor
(402) 554-3276
bpainter2@unl.edu
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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 78.5

| Qualitative / Numeracy Skills / Computer Science | | | | Social Sciences <i>Select 2 courses from different ACE categories</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 2 courses from different ACE categories</i> | | | | GEOG | 1050 | Intro to Human Geography # ACE 9 (CS) | 4.5 |
| ENGL | 2450 | Introduction to Literature # ACE 5 | 4.5 | HIST | 1120 | 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 - 1865 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) | 4.5 | 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 <i>40.5 credit hrs.</i> | | | |
| 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 additional course from Social Sciences or Humanities marked (CS)</i> | | | | Electives | | | |
| | | | | CHEM | 1210&1211 | General Chemistry: Parts I & II OR | 6 |
| | | | | CHEM | 1212 | General Chemistry: Accelerated # | |

Total Required Quarter Hours..... 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.

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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 Civil Engineering program offered on the UNO campus.

Students are encouraged to enroll in MENG 2230 Engineering Statics, MENG 3250 Mechanics of Elastic Bodies and MENG 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 554-3276 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 <i>Select 1 course</i> | | | |
|--|--------|--------------------------------------|-----|--|-----------|---|-----|
| 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 <i>Select 1 course</i> | | | | 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 1865 to Present # | 4.5 | ACE SLO 8 ELECTIVE <i>Select 1 course</i> | | | |
| PHIL | 1010 | Introduction to Philosophy # | 4.5 | ECON | 1000 | Macroeconomics # | 4.5 |
| PHIL | 2030 | Introduction to Ethics # | 4.5 | ECON | 1100 | Microeconomics # | 4.5 |
| ACE SLO 6 ELECTIVE <i>Select 1 course</i> | | | | PHIL | 1030 | Professional Ethics # | 4.5 |
| CRIM | 1010 | Introduction to Criminal Justice # | 4.5 | PHIL | 1010 | Introduction to Philosophy # | 4.5 |
| ECON | 1000 | Macroeconomics # | 4.5 | POLS | 2050 | American National Government # ACE 8 | 4.5 |
| ECON | 1100 | Microeconomics # | 4.5 | ACE SLO 9 ELECTIVE <i>Select 1 course</i> | | | |
| PSYC | 1010 | Introduction to Psychology # | 4.5 | ECON | 2720 | International Economics # | 4.5 |
| PSYC | 1120 | Human Growth/Development # | 4.5 | GEOG | 1050 | Intro. to Human Geography # | 4.5 |
| PSYC | 1130 | Cognitive Development # | 4.5 | GEOG | 2150 | World Regional Geography # | 4.5 |
| SOCI | 1010 | Introduction to Sociology # | 4.5 | HIST | 1110 | World Civ. Prehistory to 1500 # | 4.5 |
| SOCI | 1250 | Introduction to Anthropology # | 4.5 | HIST | 1120 | World Civilization II # | 4.5 |
| SOCI | 2050 | Current Social Problems # ACE 6 (CS) | 4.5 | PHIL | 2200 | Intro. to Comparative Religion # | 4.5 |
| Natural Sciences / Quantitative / Numeracy Skills | | | | Electives | | | |
| MATH | 2410 | Calculus I # | 7.5 | CHEM | 1210&1211 | General Chemistry: Parts I & II OR | 6 |
| MATH | 2411 | Calculus II # | 7.5 | CHEM | 1212 | General Chemistry: Accelerated # | |
| 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 | | | | |

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