Prerequisite Flowchart Undergraduate Construction Engineering Degree Program
Omaha/Scott Campus
Updated Fall 2018

Semester 1
CONE 1030 [1] Intro to Constr. Industry
CHEM 1180 [2] General Chemistry I
CHEM 1184 [2] General Chemistry I Lab
CIST 1400 [2] Intro to Computer Programming
CMST 1110 [3] Public Speaking Fundamentals

Semester 2
CONE 2250 Building Inform. Modeling
MATH 1960 Calculus II
PHYS 2110 Intro. to Physics
PHYS 1154 Intro. to Physics Lab
ACE [4] Elective
ENGR 100 Freshman Engr. Seminar

Semester 3
CONE 2110 Geo. Control Sys. (surveying)
MATH 1970 Calculus II
MENG 2230 Engineering Statistics
PHYS 2120 Intro. to Physics II
ENGL 3980 [2, 5] Technical Writing

Semester 4
CONE 2110 Construction Business Methods
MATH 2350 Differential Equations
MENG 3250 Mechanics of Elastic Bodies
MENG 3730 Engineering Dynamics
CONE 2060 Engineering Economics
ECEN 2110 Elements of Elec. Engineering

Semester 5
CIVE 310 Fluid Mechanics
CIVE 341 Intro to Geotech. Engineering
CONE 3780 Const. Estimating I
CONC 3780 Const. Estimating I

Semester 6
CIVE 334 Reinforced Concrete Design I
CIVE 378 Materials of Construction
ECON 2200 Micro Economics
ENGR 4760 Project Budgets and Controls
CONE 4850 Construction Planning, Scheduling and Controls
CONC 4890 Const. Eng. Capstone

Semester 7
CIVO 441 Steel Design I
CIVS 4440 Accident Prevention in Construction
CIVS 4410 Steel Design I
CIVS 440 Reinforced Concrete Design I
CIVS 4760 Project Budgets and Controls
CIVS 4850 Construction Planning, Scheduling and Controls
LAWS 3930 Business Law Fundamentals

Semester 8
CIVS 4890 Const. Eng. Capstone
Technical Design Elective
Technical Design Elective

Notes:
[1] CONE 1030 is cross-listed with CONST 1310 on the Omaha campus.
[2] This curriculum assumes the student has placed into MATH 1950, CHEM 1180/1184, CIST 1400, and ENGL 3980. If not, the prerequisites must also be taken.
[3] ENGR 1000 is accepted as a substitute.
[4] Choose one course each from ACE outcomes 5, 7, and 9 electives.
[5] ENGL 3980 is used to sub in for the prerequisite of MGMT 3200.