Prerequisite Flowchart Undergraduate Construction Engineering Degree Program

Lincoln/City Campus

Updated Fall 2018

Semester 1
- CONE 103 [1] Intro to Constr. Engineering
- MATH 106 [2] Calculus I
- ENGR 10 Freshman Engineering Seminar

Semester 2
- CNST 225 Building Inform. Modeling
- MATH 107 Calculus II
- PHYS 211 General Physics I
- PHYS 221 General Physics I Lab

Semester 3
- CIVE/CONE 221 Geo. Control Sys. (surveying)
- MATH 208 Calculus III
- MECH 223 Engineering Statics
- PHYS 212 General Physics II
- JGEN 200 Technical Communication I
- CONE/BSEN 206 Engineering Economics

Semester 4
- CONE 211 Construction Business Methods
- MATH 221 Differential Equations
- MECH 325 Mechanics of Elastic Bodies
- MENG 373 Engineering Dynamics
- CONE 219 Intro to Structural Engineering
- ECEN 211 Elements of Elec. Engineering I

Semester 5
- CIVE 310 Fluid Mechanics
- CIVE 341 Materials of Construction
- CONE 378 Const. Estimating I
- STAT/MATH 380 Statistics and Applications

Semester 6
- CIVE 334 Intro to Geotech. Engineering
- CIVE 378 Materials of Construction
- CIVE 389 Constructing and Managing Const. Projects
- CONE 485 Construction Planning, Scheduling, and Controls
- CIVE 440 Reinforced Concrete Design I
- CONE 489 Const. Eng. Capstone

Semester 7
- CIVE 441 Steel Design I
- BLAW 371 [6] Legal Environment

Semester 8
- CIVE 445 Reinforced Concrete Design II
- CONE 489 Const. Eng. Capstone

Notes:
[1] CONE 103 is cross-listed with CNST 131 on the Lincoln campus.
[2] This curriculum assumes the student has placed into MATH 106. If not, the prerequisites must also be taken.
[3] ENGR 100 is accepted as a substitute.
[5] CONE 414 will satisfy this requirement.