

2025-2026 ISU Construction Engineering (CONE)

Undecided

| Semester 1 – 16 CR | Semester 2 – 15 CR | Semester 3 – 18 CR | Semester 4 – 16 CR | Semester 5 | Semester 6 | Semester 7 | Semester 8 |
|--|---|---|--|---|---|------------|------------|
| CONE 1210 – 1 CR CONE Learning Community: Academic Life Fall only | CONE 1220 – 1 CR CONE Learning Community: Professional Life Spring only | CONE 2220 – 3 CR Contractor Organization and Management of Constr. Co: Completion of Basic Program | CONE 2410 – 3 CR Construction Materials and Methods Pre: Completion of Basic Program | Law Elective: CONE 3800 – 3 CR or ACCT 2150 – 3 CR | Student must declare a focus (Building, Infrastructure, Mechanical, or Electrical) by the end of Semester 4. | | |
| ENGR 1010 – R CR Engineering Orientation Fall only | CE 1700 – 2 CR Graphics for Civil Engineering Co: MATH 1430 or MATH 1650 | CE 1110 – 3 CR Geomatics Pre: CE 1600, CE 1700, MATH 1650 | CONE 2510 – 1 CR Mechanical/Electrical Materials and Methods Co: CONE 2410 | *US Cultures and Communities – 3 CR | | | |
| MATH 1650 – 4 CR Calculus I (C- or higher required) | MATH 1660 – 4 CR Calculus II Pre: C- or higher in MATH 1650 | MATH Elective: MATH 2650 – 4 CR or MATH 2070 – 3 CR | MATH 2670 – 4 CR Elem Diff Equations with Laplace Transforms Pre: C- or higher in MATH 1660 | *International Perspective – 3 CR | Core Courses CONE 2410 – 3 CR CE 2720 – 2 CR EM 3240 – 3 CR CE 3320 – 3 CR ABE 3780 – 3 CR CONE 4220 – 3 CR CONE 4870 – 3 CR CONE 4880 – 3 CR | | |
| CHEM 1670 – 4 CR General Chemistry for Engineering | PHYS 2310 – 4 CR Intro to Classical Physics I Pre: MATH 1650 Co: MATH 1660 | PHYS 2320 – 4 CR Intro to Classical Physics II Pre: MATH 1660, PHYS 2310 | CE 2720 – 2 CR Applied Engineering Statics Pre: CE 2710, PHYS 2310, PHYS 2310L Co: C- or higher in MATH 1660 | EM 3240 – 3 CR Mechanics of Materials Pre: CE 2720 | | | |
| CE 1600 – 3 CR Engineering Problems Co: MATH 1650 | PHYS 2310L – 1 CR Intro to Classical Physics I Lab Pre: MATH 1650 Co: MATH 1660, PHYS 2310 | PHYS 2320L – 1 CR Intro to Class. Physics II Lab Pre: MATH 1660 Co: PHYS 2320 | IE 3050 – 3 CR Engineering Economic Analysis Pre: MATH 1660 | Engineering Statistics: STAT 2310 – 4 CR or STAT 3050 – 3 CR | | | |
| ENGL 1500 – 3 CR Critical Thinking and Communication (C or higher required) | ENGL 2500 – 3 CR Written, Oral, Visual, and Elect. Comp (C or higher required) Pre: ENGL 1500 Co: LIB 1600 | ECON 1010 – 3 CR or ECON 1020 – 3 CR | *Social Science and Humanities Elective – 3 CR | | | | |
| LIB 1600 – 1 CR Intro to College Level Research | | CE 2710 – 1 CR Engr Foundations of Statics Pre: MATH 1650 Co: PHYS 2310, PHYS 2310L | Social Science and Humanities Electives Recommended by CONE Program ANTHR 2100 – 3 CR PHIL 2300 – 3 CR | | Engineering Topics Electives The CONE Program has recommended Engineering | | |

KEY

Pre: prerequisite
Co: corequisite
CR: credit

Construction Core
2.0 GPA Required

Basic Program
2.0 GPA Required

Notes

1. Although this program chart is provided for your guidance, the University Catalog contains the definitive list of requirements.
2. To apply transfer course credit to your degree program, the university requires a grade of C or higher.
3. Courses may appear on multiple elective lists but may only be applied for **ONE** elective.
- *Choose elective from approved list.
- **Must be within two semesters of graduation.

Social Science and Humanities Electives

Recommended by CONE Program

- ANTHR 2100 – 3 CR
ANTHR 2200 – 3 CR
ANTHR 2300 – 3 CR
HIST 2800 – 3 CR
HIST 2840 – 3 CR
INTST 2350 – 3 CR
LDST 3220 – 3 CR
MGMT 3700 – 3 CR
MGMT 3710 – 3 CR
- PHIL 2300 – 3 CR
PHIL 2350 – 3 CR
PHIL 3340 – 3 CR
PHIL 3430 – 3 CR
PSYCH 1010 – 3 CR
PSYCH 2300 – 3 CR
PSYCH 2800 – 3 CR
SOC 1340 – 3 CR

For more options, refer to the LAS Arts & Humanities and Social Sciences lists.

Engineering Topics Electives

The CONE Program has recommended Engineering Topics Electives for each focus (Building, Infrastructure, Mechanical, or Electrical).

See focus-specific matrix for recommended Engineering Topics Electives.

Other approved courses:
Any CE or CONE 3000-, 4000-, and 5000-level course not required in your program (except CE 5940A and CE 5990)