

# BS in Civil Engineering

The following are recommended enrollments

## Freshman

Fall	Hours Spring	Hours
CE 101	2 ARCE 217	3
MATH 125 (Core 34: Math & Statistics (SGE)) <sup>030***</sup>	4 MATH 126	4
Core 34: English (SGE) <sup>010</sup>	3 Core 34: English (SGE) <sup>010</sup>	3
Core 34: Communications (SGE) <sup>020</sup>	3 EPHX 210 or PHSX 211 (Core 34: Natural & Physical Sciences (SGE)) <sup>040***</sup>	3
CHEM 150	5 PHSX 216 (Core 34: Natural & Physical Sciences (SGE)) <sup>040***</sup>	1
	Natural Science Elective	3
	<b>17</b>	<b>17</b>

## Sophomore

Fall	Hours Spring	Hours
CE 260	5 CE 240	3
MATH 127	4 CE 310	3
PHSX 212	3 CE 320 or EECS 138	3
Core 34: Arts & Humanities Elective (SGE) <sup>060</sup>	3 MATH 220	3
	ECON 104, 142, or 144 (Core 34: Social & Behavioral Sciences (SGE)) <sup>050***</sup>	3
	<b>15</b>	<b>15</b>

## Junior

Fall	Hours Spring	Hours
CE 330	3 CE 455	3
CE 331	1 CE 480	3
CE 461	3 CE 487	4
CE 412 or 484	3 CE 525	3
CE 477	3 Engineering Science Elective <sup>A</sup>	3
Core 34: Arts & Humanities Elective (SGE) <sup>060</sup>	3	
	<b>16</b>	<b>16</b>

## Senior

Fall	Hours Spring	Hours
CE 563	3 CE 562 (KU Capstone Course)	3
CMGT 457	3 CE 501	2
CE 552 or 576 (EWRE Design Course)	3 CE Design Elective <sup>B</sup>	3
CE Design Elective <sup>B</sup>	3 Core 34: Social & Behavioral Sciences Elective (SGE) <sup>050</sup>	3
CE Technical Elective <sup>C</sup>	3 Core 34: Global Culture Elective (SGE) <sup>070</sup>	3
Core 34: US Culture (SGE) <sup>070</sup>	3 Fundamentals of Engineering Exam	0

18

14

## Total Hours 128

- A One course is selected from a pre-approved list of courses that meet ABET criteria for engineering science content in the areas of materials science, thermodynamics, circuit design, or environmental analysis.
- B Two of the following three courses must be taken, all of which meet ABET criteria for engineering design content: CE 582 Highway Engineering, CE 588 Foundation Engineering, or CMGT 500 Construction Engineering.
- C Technical electives are selected from 500-level and above courses in Civil Engineering, Architectural Engineering, or Construction Management not already taken, or 600-level and above courses from other engineering departments. All technical electives must meet ABET criteria for engineering science or design content.

## Notes:

\* - This course is a Required major course and is also part of Core 34: Systemwide General Education. If this course is not taken to fulfill the Core 34:SGE requirement, it must be taken in place of elective hours.

\*\* - This course is a Recommended Core 34: Systemwide General Education course. This specific course is not required but is recommended by the program's faculty.

\*\*\* - This course is a Required Core 34: Systemwide General Education course. This program is approved by the Kansas Board of Regents to require this specific Core 34: Systemwide General Education course. If a student did not take this course it must be taken in addition to other degree requirements.