## Civil Engineering (Structural Track)

<table>
<thead>
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<th>FALL</th>
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<tbody>
<tr>
<td>MATH 220 (4)</td>
<td>Analytic Geometry and Calculus I</td>
<td>KSC-3</td>
<td>CE 333 (3)</td>
<td>Statics</td>
<td>MATH 221 (4)</td>
<td>Analytic Geometry and Calculus II</td>
<td>PR: MATH 220 ≥ C</td>
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<tr>
<td>CHM 210 (4)</td>
<td>Chemistry I</td>
<td>PR: ENGL 100</td>
<td>KSC-4</td>
<td>CE 241 (3)</td>
<td>Introduction to Civil Engineering Materials</td>
<td>PR: MATH 221, PHYS 213</td>
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<tr>
<td>ENGL 100 (3)</td>
<td>Expository Writing I</td>
<td>KSC-2</td>
<td>ME 512 (3)</td>
<td>Dynamics</td>
<td>ENGL 200 (3)</td>
<td>Expository Writing II</td>
<td>PR: MATH 221 ≥ C</td>
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<tr>
<td>CE 202 (3)</td>
<td>Civil Engineering Graphics</td>
<td>KSC-1</td>
<td>CE 212 (3)</td>
<td>Elementary Surveying Engineering</td>
<td>KSC-1</td>
<td>COMM 106 (3)</td>
<td>Public Speaking</td>
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<tr>
<td>DEN 160 (1)</td>
<td>College of Engineering Orientation</td>
<td>CE 301 (1)</td>
<td>CE Problem Solving</td>
<td>Math/Science</td>
<td>DEN 161 (1)</td>
<td>Engineering Problem Solving</td>
<td>PR: CE 333 ≥ C or CE 530 ≥ C</td>
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<tr>
<td>DEN 161 (1)</td>
<td>Engineering Problem Solving</td>
<td>PR: CO: MATH 150</td>
<td>CE 015 (0)</td>
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### Degree Map Notes:
- **K-State Core (KSC)** course
- **See department approved electives**
- **= Prerequisite for another course**
- **PR = Prerequisite requirement**
- **PR/CO = Prerequisite or concurrent requirement**
- **= Only offered in the semester shown**
- **= Class applies for tracks**

Degree map is for advising purposes only. Students are responsible for complying with University Catalog requirements.
Civil Engineering Curriculum Notes

A GPA of at least 2.25 in the four CE Design elective courses used to satisfy their 12 hours of CE design electives in four areas of civil engineering. If more than 12 hours of CE Design electives, the best 12 hours that meet the requirement of four different design areas and the track requirements will be used to compute the CE Design elective GPA.

A resident cumulative GPA of 2.30 or better is required for a change of major from any engineering program to civil engineering.

**Electives**
- Approved Civil Engineering electives and requirements are available at ce.k-state.edu/undergrad/student-handbooks.
- Math/Science electives are to be selected from the list approved by the department to satisfy the requirements.
- The Design elective courses selected should cover at least four different design areas: Environmental, Geotechnical, Structural, Transportation/Materials and Water Resources.
- CE Track electives are to be selected from the list approved by the department and in consultation with the student’s faculty advisor to satisfy track requirements.

**Substitutions**
BAE 560 can be substituted for CE 550.
DEN 325 can be substituted for PHILO 185.

**K-State Core**
The K-State Core (KSC) is the university’s version of the systemwide general education framework established by the Kansas Board of Regents.

KSC requirement 1 – English (6 hours)
KSC requirement 2 – Communications (3 hours)
KSC requirement 3 – Math and Statistics (3 hours)
KSC requirement 4 – Natural and Physical Sciences (4-5 hours)
KSC requirement 5* – Social and Behavioral Sciences (6 hours)
KSC requirement 6* – Arts and Humanities (6 hours)
KSC requirement 7 – Institutional Electives (6 hours)

To view course lists for each requirement, visit k-state.edu/provost/kstate-core.

*Requires two courses from two different subject areas.