# Civil Engineering

## (Structural Track)

<table>
<thead>
<tr>
<th>FALL</th>
<th>YEAR 1</th>
<th>SPRING</th>
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<th>YEAR 2</th>
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<th>YEAR 4</th>
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<tbody>
<tr>
<td>CHM 210 (4)</td>
<td>Chemistry I</td>
<td>CE 241 (3)</td>
<td>PHYS 213 (5)</td>
<td>Engineering Physics I</td>
<td>CE 512 (3)</td>
<td>Dynamics</td>
<td>CE 503 (1)</td>
<td>Project Delivery</td>
<td>PR: ENGL 100</td>
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<tr>
<td>ENGL 100 (3)</td>
<td>Expository Writing I</td>
<td>CE 533 (3)</td>
<td>MATH 340 (4)</td>
<td>Mechanics of Materials</td>
<td>ME 310 (2)</td>
<td>Elements of Thermodynamics</td>
<td>CE 550 (3)</td>
<td>Civil Engineering Project</td>
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<td>CE 202 (3)</td>
<td>Civil Engineering Graphics</td>
<td>CE 334 (3)</td>
<td>Statics</td>
<td>ME 512 (3)</td>
<td>Introduction to Structural Analysis</td>
<td>CE 552 (3)</td>
<td>Foundation Engineering</td>
<td>PR: ENGL 100</td>
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<td>DEN 160 (1)</td>
<td>College of Engineering Orientation</td>
<td>CE 334 (3)</td>
<td>Statics</td>
<td>CE 537 (3)</td>
<td>Foundation Engineering</td>
<td>CE 572 (3)</td>
<td>Civil Engineering Project</td>
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<td>DEN 161 (1)</td>
<td>Engineering Problem Solving</td>
<td>GEOL 100 (3)</td>
<td>Earth in Action</td>
<td>CE 351 (3)</td>
<td>Incompressible Fluid Mechanics</td>
<td>CE 542 (3)</td>
<td>Structural Engineering in Steel</td>
<td>PR: ENGL 100</td>
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<td>CE 015 (0)</td>
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**128 credit hours total**

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### KEY
- CE = Civil Engineering
- ENGL = English
- CHM = Chemistry
- MATH = Mathematics
- PHYS = Physics
- KSC = K-State Core
- CE 301 = CE Problem Solving
- CE 333 = Statics
- CE 334 = Mechanics of Materials
- CE 501 = Project Economic Evaluation
- CE 502 = Project Management
- CE 503 = Project Delivery
- PR = Prerequisite
- PR/CO = Prerequisite or concurrent requirement
- = Class applies for tracks
- = Only offered in the semester shown

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.