CIVIL ENGINEERING (PHD)

Doctor of Philosophy in Civil Engineering (CE PHD)
Unit: Speed School of Engineering (http://engineering.louisville.edu) (GS)
Department: Civil and Environmental Engineering (https://
engineering.louisville.edu/academics/departments/civil)
Academic Plan Code(s): CE_ _PHD

Program Information
General Information
The PhD degree program is intended for persons having an accredited
masters and/or baccalaureate degree in civil engineering, but is available
to those with other backgrounds. Applicants with other backgrounds
should plan on taking some undergraduate background coursework.
Students interested in the PhD degree program should consult the
Director of Graduate Studies in the Department of Civil Engineering.

The University of Louisville is accredited by the Commission on Colleges
of the Southern Association of Colleges and Schools to award doctoral
degrees.

Degree Requirements
The award of a Doctor of Philosophy degree indicates that a student has
attained mastery of a field and has demonstrated the capacity to perform
independent scholarly research. Candidates for the Doctor of Philosophy
degree must have a minimum final cumulative grade point average of
3.00 for all academic coursework attempted in Graduate Studies.

The requirements for the Doctor of Philosophy degree are explained
in more detail in the Degree Requirements section (http://
catalog.louisville.edu/graduate/general-policies-procedures-
requirements/degree-requirements) of this catalog.

Admission Standards
The admission standards for the PhD program in Civil Engineering are as
follows:

1. All admission applications for the program shall include:
   a. A completed application (http://louisville.edu/graduate/apply) for
      the Graduate School,
   b. An application fee,
   c. Results from the Graduate Record Examination (GRE),
   d. At least two letters of recommendation, and
   e. Official transcript(s) for all previous post-secondary coursework.
      All transcripts not in English must be certified as authentic and
      translated verbatim into English.

2. The minimum requirement for admission is the baccalaureate degree
   or its equivalent from an accredited institution.

3. The successful applicant will typically have an undergraduate grade
   point average of 3.00 or above (on a 4.00 scale).

4. The successful applicant will typically have a GRE combined Verbal
   and Quantitative Reasoning score of 295 or above.

5. International students whose primary language is not English must
   show English language proficiency by either TOEFL/IELTS score
   or demonstration of a degree award from an acceptable English
   language institution. The successful applicant will typically have
   a total TOEFL score of 80 or higher or overall IELTS score of 6.5 or
   higher.

Program Requirements
Normally, it is expected that the student will complete a master’s degree
before being admitted to the PhD Program. However, qualified applicants
may be admitted directly to the doctoral program after receiving a
baccalaureate degree. These students will be required to complete
an additional 30 credit hours of coursework at the 500 and 600 level
under an individual plan developed in conjunction with the department’s
Director of Graduate Studies. Also, remedial work may be specified
for those applicants who, in the opinion of the faculty, do not have a
sufficient background.

The minimum curricular requirements for the doctoral program are:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Approved Master’s Level Course Work</td>
<td>30</td>
</tr>
<tr>
<td></td>
<td>Technical Electives</td>
<td>15</td>
</tr>
<tr>
<td>CEE 698</td>
<td>Civil Engineering PhD Seminar</td>
<td>3</td>
</tr>
<tr>
<td>CEE 699</td>
<td>Civil Engineering PhD Research</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Minimum Total Hours</td>
<td>60</td>
</tr>
</tbody>
</table>

Candidates for the Doctor of Philosophy degree must have a minimum
final cumulative grade point average of 3.00 for all academic work
attempted in Graduate Studies.

1 Technical electives can be CEE or non-CEE courses. Technical
Electives must be approved by the department.