Civil Engineering Curriculum Flowchart
HYDRAULIC & HYDROLOGIC ENGINEERING Concentration

Beginning Fall 2011

Legend:
- Red: Required by First Year Engineering
- Blue: Civil Engineering Core Course
- Yellow: Technical Elective
- Purple: General Education Course

Pre-requisite
Co-requisite

Italics: suggested Technical Elective; others listed on next page; total of 30 cr. required
B = Breadth courses; D = Design courses

See the other side of this document for Curriculum Notes and other information

Purdue University Lyles School of Civil Engineering
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Curriculum Notes:

1. This flowchart shows the standard CE course requirements and the typical sequencing of such courses. Some deviations, both in courses and sequencing, can occur; students should speak to their advisors or the CE Undergraduate Office for further information.

2. Students should consult the following CE website for guidance on the requirements for Technical Electives and General Education Elective courses, respectively and the limitation on transfer credit: https://engineering.purdue.edu/CE/Academics/Undergraduate/Current

3. COM 11400 satisfies the First Year Engineering requirement for a general education course. The School of Civil Engineering, however, requires this course for graduation and does not consider it to be a general education course.

4. The Science Selective strongly recommended by the School of Civil Engineering is CHM 11600. CS 15900 will be accepted for meeting graduation requirements, but students may find themselves at a disadvantage when choosing technical electives if they have not taken CHM 11600.

5. The Basic Science Requirement courses are chosen from an approved list. Examples include: BIOL 11000, 12100 & 28600, 14600, 23000 or EAPS 10000, 10400, 11100, 12000, 22100. See advisor for current approved list.

6. The School of Civil Engineering strongly recommends ECON 25100 as a social science general education course.

7. CE 49800 must be taken in a student’s final semester before graduation. The only exception to this rule is that students who plan to graduate during a summer session may take CE 49800 during the prior spring semester.

Suggestions for Technical Electives (B = Breadth courses; D = Design courses):

- CE 36100: Transportation Engineering (B & D; TRA)
- CE 40800/59700: Global Information Systems (B; GEM)
- CE 47300: Reinforced Concrete Design (D; STR)
- CE 48300: Geotechnical Engineering II (D; GEO)
- CE 54000: Open Channel Hydraulics (HYD)
- CE 54200: Hydrology (HYD)
- CE 54300: Coastal Engineering (D; HYD)
- CE 54400: Subsurface Hydrology (HYD)
- CE 54600: Computational River Hydraulics (D; HYD)
- CE 54700: Transport Processes In Surface Waters (HYD)
- CE 54900: Computational Watershed Hydrology (HYD)
- CE 59300: Environmental Geotechnology (ENV)