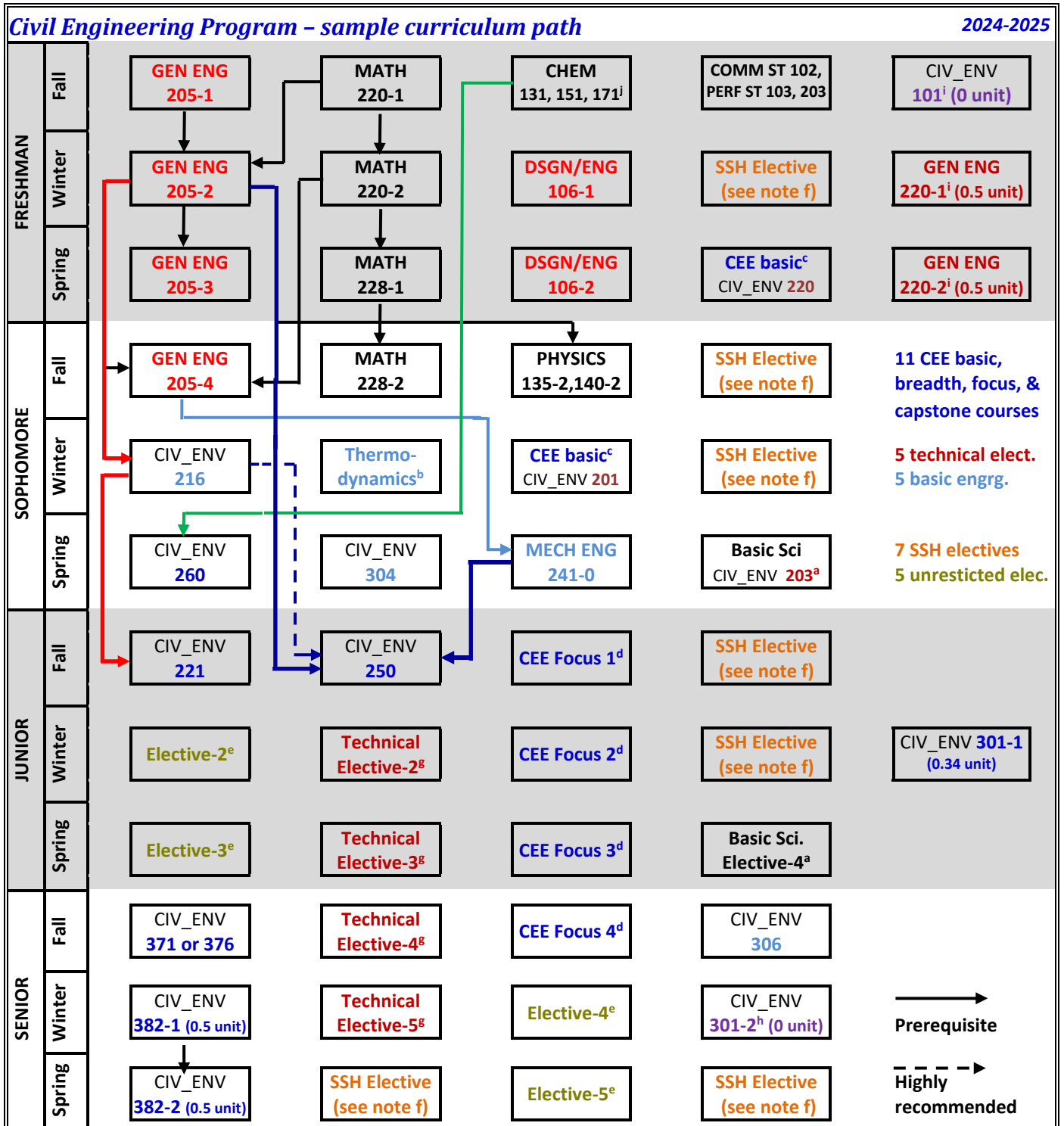


Table CE.2 Sample BSCI Curriculum Plan



Please see notes on the page followed.

Table CE.2 (continued) Sample BSCI Curriculum Plan

Notes for the sample curriculum plan:

- a. At least ONE MUST from BIO SCI, EARTH 201, 202, or CIV_ENV 203; the other can be any course except ASTRON and EARTH 203 listed in Basic Sciences.
- b. May choose among MECH_ENG 222 (*offers in winter quarter only*), BMD_ENG 250 (*offers in winter quarter only*), and CHEM_ENG 211 (*offers in winter and spring quarters only*).
- c. May choose among CIV_ENV 201, 202, and 220.
- d. Choose a total of 4 courses from the approved list (**see page 25**) and 5 technical electives (**see page 26**). At least **two** must be design courses, as defined according to ABET.
- e. May choose from any course offered for credit by the University. First unrestricted elective unit is from the two required basic science lab sessions and CIV_ENV 301-1
- f. Courses must be selected to meet the Social Science-Humanities theme requirement.
- g. An **APPROVED** list is at Table CE.3. Other courses can be approved by petition on a case by case basis. A **minimum of 12 units of Math/Science (MTS) and 18 units of Engineering Topics (ET) from 48 units are required for BSCI**. Consult with the partitioning table at <https://www.mccormick.northwestern.edu/academics/undergraduate/abet/course-partitioning.html>. These partitions are valid only for the academic year the course is taken. First technical elective unit is GenEng 220-1,2.
- h. Fundamental of Engineering Exam Review – all seniors are highly recommended to take.
- i. *CIV_ENV 101 (zero unit) and GEN ENG 220-1,2 for a total of 1 credit sequence is **HIGHLY recommended for freshman and sophomores**. Skills acquired from these courses are necessary for summer internship in civil and environmental engineering profession.*
- j. If no placement in Chemistry, then take CHEM 110 & 131 sequence.

In compliance with ABET criteria, the following courses must be taken in sequence: **205-2→216→ 221→325** (red path in the flow chart); **205-2→ME 241→250** (blue path in the flow chart); and **221, 250, 260, 371/376 → 382**. **Focus area courses can be taken concurrently with 382.**