There are 5 ways to satisfy the Chemical Engineering Technical Elective requirement:

1. Cooperative Education and/or Internship credit (max 3 credits total)
2. Research credit (max 3 credits total)
3. IPPD (ECH 4912 and ECH 4913)
4. ECH 3XXX or higher course (including ECH graduate courses)
5. MegaCourse (summer C only)

**ECH 4949 Cooperative Education and/or ECH 4948 Internship Courses**

Student participating in *experiential education* may elect to receive 1 credit per term. These courses may be mixed with ECH 4905 Research credit for a maximum of 3 credits total.

**EGN 4912 Research**

Students participating in *research* associated with chemical engineering may register for 1 credit per term. This course may be mixed with ECH 4949 Cooperative Education and/or ECH 4948 Internship for a maximum of 3 credits total.

**ECH 4912 and ECH 4913 IPPD**

*Integrated Process and Product Design* satisfies the Chemical Engineering Technical Elective (ECH 4912 fall) and ECH 4644 Process Design (ECH 4913 spring). Selection for IPPD is competitive and applicant admission is determined by project availability. Applications are accepted and reviewed late spring through the summer.

**ECH 3XXX courses or higher**

Chemical Engineering elective courses are offered fall and spring. ECH 3XXX+ course work will satisfy either or both the Chemical Engineering Technical Elective and/or the Technical Elective requirements.

**MegaCourse**
MegaCourse (summer C only) is available to student who have successfully completed COT 3502 Computer Model Formulation. MegaCourse satisfies the following requirements: 5 credits of Technical Elective, 3 credits of Chemical Engineering Technical Elective, and ECH 4323/L Process Control and Lab.