128 credit hours total

Chemical Engineering

College of Engineering



Flowchart is for advising purposes only. Students are responsible for complying with University Catalog requirements.

Chemical Engineering Curriculum Notes

A minimum cumulative GPA of 2.00 (a C average) for all chemical engineering courses 400 level and above, including chemical engineering elective courses, is required for graduation.

A maximum of two 'D' grades in chemical engineering courses 400 level and above is allowed.

Of the 47 credit hours of required chemical engineering and chemical engineering elective courses, at least half of these credit hours must be completed at Kansas State University.

Total credit for undergraduate research (CHE 497 and/or CHE 499) applicable to the degree is limited to a maximum of six (6) credit hours.

Honors Chemistry I (CHM 220) and Honors Chemistry II (CHM 250) may be taken instead of CHM 210, CHM 230 and CHM 371. If this option is elected, two additional credit hours of technical electives are to be selected.

Technical Electives

The departmental requirements below must be satisfied.

All electives must be on the lists approved by the department head and must support the program educational objectives and student outcomes of the chemical engineering program.

Seventeen credit hours of approved technical electives are required. These electives will include:

- Two Chemistry/Biochemistry/Biology courses, one of which must be either CHM 585 OR CHM 595 (6 credit hours in total).
- Advanced Laboratory Experience elective (2 credit hours).
- Engineering Topics elective (3 credit hours).
- Chemical Engineering elective (3 credit hours).
- Engineering Materials elective (3 credit hours).

A list of approved Chemistry/Biology/Biochemistry electives, Advanced Laboratory Experience electives, Chemical Engineering electives and Engineering Topics electives may be found on the department website, **che.k-state.edu/student-success/advising**.

Students must take either CHE 354, CHE 355, and CHE 356 OR Biomaterials (BME 430/CHE 580) to satisfy the Materials Elective.

Students who satisfy all or part of Kansas State Core Institutional Electives (Requirement #7) with courses that satisfy other degree requirements may use additional unrestricted electives to meet the degree requirement of 128 credit hours.

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.

 KANSAS STATE
 Carl R. Ice

 UNIVERSITY
 College of Engineering