

## B.S. Chemical Engineering Plan of Study (2022 Catalog or earlier)

Name \_\_\_\_\_ ID # \_\_\_\_\_ Entry Term \_\_\_\_\_ Grad Term \_\_\_\_\_ Date \_\_\_\_\_  
Catalog \_\_\_\_\_ Honors Double Degree w/ \_\_\_\_\_ Double Major w/ \_\_\_\_\_ Minor in \_\_\_\_\_

**Notes:** Please describe your career goals, specific areas of interest within chemical engineering, and any plans to attend graduate school, study abroad, etc.

Purpose in completing the plan of study:

1. Confirm all Technical Electives and SSH Electives are correctly satisfied and address career goals.
2. Confirm courses are available in the term that you plan for them (e.g., BBMB 3030 is fall only)
3. Confirm all course pre-requisites and all curriculum requirements for graduation are satisfied.

### Technical Electives (21.0 Cr. Total):

|  | Course (Ex: CHE 4900) | Credits | Notes |
|--|-----------------------|---------|-------|
| Chemical Engineering Electives (6.0 cr.) |                       |         |       |
| Engineering Elective (3.0 cr.)           |                       |         |       |
| Professional Elective (3.0 cr.)          |                       |         |       |
| Advanced Chem Elective (3.0 cr.)         |                       |         |       |
| Statistics Elective (3.0 cr.)            |                       |         |       |
| Communication Elective (3.0 cr.)         |                       |         |       |

### CHE Elective Options

Fall Semester

- CHE 4080: Surface and Colloid Chemistry (prereq: CHE 3810)
- CHE 4100: Electrochemical Engineering (prereq: CHE 3570, CHE 3810, CHE 3820)
- CHE 4400: Biomedical Applications of Chemical Engineering (prereq: CHE 2100, MATH 2660 or 2670)
- CHE 4290: Chemical Engineering Product Design (prereq: CHE 3580 and CHE 3820)

Spring Semester

- CHE 4060: Environmental Chemodynamics (prereq: CHE 3570, CHE 3810)
- CHE 4150: Biochemical Engineering (prereq: CHE 3570, CHEM 3310, BBMB 3010 or 3030 or 4040)
- CHE 4470: Polymers and Polymer Engineering (prereq: CHEM 3310, CHE 3820 or MATE 3510)

Arranged (Either Fall or Spring Semester)

- CHE 4900: Undergraduate Research/Independent Study (prereq: Permission of CBE Department)
- CHE 4990: Applied Industrial Research (prereq: CHE 2050, CHE 2100, Permission of Instructor)

### Social Science and Humanities (SSH) Electives (15.0 Cr. Total)

Students need a minimum of 15.0 credits of SSH electives that must also satisfy the other following requirements: (6–9) credits within a single department, (3 cr.) of international perspective, and (3 cr.) of U.S. Cultures and Communities. List the courses you plan to take for SSH or transferred in as SSH and mark what category they are in.  
*Note: some SSH classes can double or triple count.*

| Course        | SSH from dept. approved list | Single Dept. (6–9 credits) | International Perspective | U.S. Cultures and Communities |
|---------------|------------------------------|----------------------------|---------------------------|-------------------------------|
| Ex: HIST 2010 | X                            |                            | X                         |                               |
|               |                              |                            |                           |                               |
|               |                              |                            |                           |                               |
|               |                              |                            |                           |                               |
|               |                              |                            |                           |                               |

