

# APPLICATION TO THE CHEMICAL ENGINEERING PROFESSIONAL PROGRAM

Chemical Engineering Department, 330 EB, Brigham Young University, Provo, UT 84602

To apply to the Professional Program, please complete sections A, B, C below **and** the "Technical Elective Approval Form." Please email both forms, the planning worksheet (See C below), and transcript of grades (from MyMap or AIM) to the academic adviser. After, reviewing your schedule, she will forward the forms to your faculty advisor. Please schedule an appointment to meet with your faculty advisor. The Application to the Program must be completed before seeing [Lavdie Huff](#) about the Technical Elective form. Forms must be submitted before April 15th or December 2nd. Confirmation of your acceptance will be sent to your BYU email, unless otherwise requested below.

If you are a **transfer student** and not yet on campus, you must contact the department academic advisor Lavdie Huff by phone (801-422-4162) or email (lavdie\_huff@byu.edu) for instructions.

## A. GENERAL INFORMATION

Name \_\_\_\_\_ Student ID Number \_\_\_\_\_

Address to which notification is to be sent (if different than Route Y email address) \_\_\_\_\_

Semester Year you intend to enroll in ChEn 374? Fall \_\_\_\_\_ Winter \_\_\_\_\_

Have you served a mission? \_\_\_\_\_ Do you plan to go? \_\_\_\_\_ When? Current declared

Major: \_\_\_\_\_ Major GPA \_\_\_\_\_ BYU GPA \_\_\_\_\_

To get these GPAs, go to MyMap and click My Progress Report; under Program Requirements (usually page 2) there is a GPA – this is the Major GPA. On the last page under Academic Summary (usually page 4) are a Total and a BYU GPA. List the BYU GPA. **You must be a ChE major to be admitted.**

## B. PLEASE ATTACH A COPY OF YOUR PAST GRADES (from MyMap or AIM). List your grades (or anticipated grades) for the following classes. List both grades if any of them are repeated classes.

Chem 111(or 105) \_\_\_\_\_ Chem 357 \_\_\_\_\_ Math 112 \_\_\_\_\_ Math 302 \_\_\_\_\_ ChEn 170 \_\_\_\_\_ ChEn 273 \_\_\_\_\_

Chem 112 (or 106) \_\_\_\_\_ Math 113 \_\_\_\_\_ Math 303 \_\_\_\_\_ ChEn 263 \_\_\_\_\_ Phys 121 \_\_\_\_\_

(Alternatively: Math 213\_\_ Math 314\_\_ Math 334\_\_) Alternatively, Chem 351 \_\_\_\_\_ Chem 352 \_\_\_\_\_

## C. PLEASE ATTACH THE COMPLETED EXCEL SPREADSHEET SHOWING THE SEMESTERS THAT YOU PLAN ON TAKING THE REQUIRED CLASSES. Download the planning worksheet [here](#). -

## D. FACULTY ADVISOR COMMENTS AND APPROVAL (check one box)

- ☐ I approve of continuation in the professional program.
- ☐ The student may continue with the professional program, but grades in key pre-requisite courses are of concern.
- ☐ The student should complete additional course work (described below) before continuing. (comment below)
- ☐ I recommend that the student should not continue in Chemical Engineering. (comment below)

Other comments:

\_\_\_\_\_  
Faculty Advisor's Signature \_\_\_\_\_ Date \_\_\_\_\_

Remember: Your application will not be approved unless it is signed by your faculty advisor, you have declared ChEn your major, and your graduation plan and grade report are attached. You must meet with the department advisor for approval of your technical electives and schedule.

# TECHNICAL ELECTIVE APPROVAL FORM

Chemical Engineering Department, 330 EB, Brigham Young University, Provo, UT 84602

## A. GENERAL INFORMATION

Name \_\_\_\_\_

Email \_\_\_\_\_ Student ID Number \_\_\_\_\_

**B.** Electives are dependent on which “catalog” you choose. You can choose any catalog from the year you declared Chemical Engineering as your major or later (but not earlier). Below is a summary of the requirements for the various years. Also see the following sites on [chemicalengineering.byu.edu](http://chemicalengineering.byu.edu) for more information.

- Catalog-specific requirements, [Undergraduate/courses/and planning](#).
- Elective requirements under [Undergraduate/technical/electives](#).
- Approved elective courses under [Undergraduate/ENG/EMSB](#)

### Fall 2009 – Summer 2018 catalog:

1. Pre-Fall 2017, if you haven’t taken Eng T 231 you should take Econ 110 instead.
2. You must complete 2 hours of chemistry lab, level 200 or above. (Chem 113 doesn’t count.)
3. You must complete at least 6 hours of technical **ENGINEERING** elective courses (300-level or above).
4. You must complete at least 4 hours of courses selected from **ENGINEERING, MATH, SCIENCE OR BUSINESS** (300-level or above).
5. At least 1 but no more than 4 of the elective hours must be from courses that provide significant experiential or project-centered learning, or focus on creativity and innovation skills. Applicable courses include ChEn 199R (Internship), ChEn 400 (Creativity), ChEn 498R (Mentored Research), and EngT 497R (Global Engineering Outreach) and others.
6. *If you take Chem 357 instead of Chem 351/352 you must take an additional 3 hours of EMSB.*

### Fall 2018 or later:

1. You must complete 2 hours of chemistry lab, level 200 or above. (Chem 113 doesn’t count.)
2. You must complete at least 9 hours of technical **ENGINEERING** elective courses (300-level or above.).
3. You must complete at least 4 hours of **ENGINEERING, MATH, SCIENCE OR BUSINESS** (300-level +)
4. At least 3 but no more than 6 of the elective hours must be from courses that provide opportunity for development of skills used to solve complex engineering problems, otherwise known as Innovation. Of the minimum 4 hours of innovation type courses, at least 3 hours must be Engineering Problem Solving through Experiential Learning (EPSEL) hours. See the department website for a full list of all technical electives.

**List** which catalog you are using for graduation requirements: \_\_\_\_\_

List the O-chem course/s you took or plan to take (Chem 357/351/352): \_\_\_\_\_

Requirements	ENG/ EMSB	Course Dept & Number	Course Name	Credit Hours	Semester	Innov/ EPSEL
2 hours of advanced Chemistry lab.						
10 or 15 hours of electives (300 or above) depending on catalog year and O-chem options.						
At least 12 or 15 hours total depending on catalog year and O-chem options.	Total credit hours					

Department Advisor's Signature \_\_\_\_\_ Date \_\_\_\_\_