

TECHNICAL ELECTIVE APPROVAL FORM

Chemical Engineering Department, 350 CB, 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 che.byu.edu for more information.

- Catalog-specific requirements under [Undergraduate/Major Requirements](#).
- Elective requirements under [Undergraduate/Technical Electives](#).
- Approved elective courses under [Undergraduate/ENG EMSB Electives](#).

Prior to Fall 2009 catalogs– Please refer to BYU’s archived catalogs under [Archived Catalogs](#)

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 4 but no more than 7 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 351/352 or 357): _____

Requirements	ENG/ EMSB	Course Dept & Number	Course Name	Credit Hours	Semester	Innov/ EPSEL
2 hours of advanced Chemistry lab.						
10 or 13 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					

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C. Chemistry 107: Check one below regarding the Chem 107 requirement. (Click one button)

- I have credit for Chem 105, 106, and 107.
- I have credit for Chem 111, 112.
- I have credit for either Chem 105, 112, 107, or Chem 111, 106, 107
- Chem 107 has been waived by David Oakeson because I have a 5 AP chem exam and had a quantitative HS chem lab.
- Chem 107 has been waived by David Oakeson because I have a 4 AP chem exam, took Chem 112, and quant HS lab.
- Chem 107 has been waived by David Oakeson because I transferred from a college where I had a Freshman chem lab.

D. Math classes: Check one below regarding your math sequence.

- I have credit for Math 112, 113, 302 and 303
- I have credit for Math 112, 113, 313, 314 and 334
- I have credit for Math 112, 113, 302, 334, and 1 additional hour above Math 314
- I have credit for Math 112, 113, 313, 314, and 303
- I took math at another university and completed a transfer equivalency form with David Oakeson.

E. Innovation requirement (click one button)

- I am graduating based on a catalog year before 2009.
- I am using ChEn 199R for my innovation requirement.
- I am using ChEn 400 for my innovation requirement.
- I am using ChEn 498R for my innovation requirement.
- I am using Chem 497R, EngT 497R, Tech 312, BusM 494R/MSB 494R, BusM 491R/MSB491R, ME 475, or ME 476 for my innovation requirement.
- I am using the following course(s) for my innovation requirement: _____
(Requires approval by the department Undergraduate Committee)

F. Biology requirement (click one button)

- I have credit for Bio 100
- I have credit for Bio 130
- I have credit for MMBio 221
- I have credit for both PDBio 120 + MMBio 240 (Prior to Fall 2017)
- I have credit for PDBio 120 only (If taken Fall 2017 or later)
- I have credit for MMBio 240 only (If taken Fall 2017 or later)
- I took biology at another university and completed a transfer equivalency form with David Oakeson.
- I am using the following course(s) for my biology requirement: _____
(Requires approval by the department Undergraduate Committee)

G. ADVISOR COMMENTS AND APPROVAL (click one button)

- I approve of this course of study and continuation in the professional program.
- This study plan is not sufficient, and the student needs to make changes as noted below and return for approval.

Changes needed or other comments:

Advisor's Signature _____ Date _____

By signing below, I acknowledge that if I change this plan without consulting my advisor, I run the risk of delaying my graduation.

Student's Signature _____ Date _____