

## Objectives of the Class

Chemical Engineering 191 is a seminar designed to help chemical engineering freshmen and transfer students:

1. Gain knowledge of the chemical engineering major and required curriculum
2. Gain familiarity with the chemical engineering field, career options, and potential job functions
3. Understand the importance of a well-written resume in obtaining professional employment,
4. Learn to take responsibility for their own learning experience at BYU by maintaining disciplined study habits, and
5. Demonstrate a sense of the importance of lifelong learning.

## Registration Requirement

- New freshmen must register for and pass **one semester** of ChE 191, usually during the fall or winter semester of the freshman year. Failure to meet this requirement will be treated the same as a failure to meet any other graduation requirement.
- Students who have completed 4 or more full-time semesters at another university or college, or at BYU as a major in another department, **AND** at least one of those semesters was as a major in an engineering discipline, are **not required** to take ChE 191. In this case, the student should fill out and submit a waiver request (the form can be obtained from the Chemical Engineering Department), and the course and the 0.5 credits will subsequently be removed from your requirements.

## Class Location

- The course meets Thursdays at 11:00 a.m. (see schedule below).
- College lectures will be in the Joseph Smith Building Auditorium.
- Once a month the AIChE Student Chapter Meeting will be held in 256 CB. Your participation in the AIChE Student Chapter is strongly encouraged but does not count toward 191 requirements.

## Grading

- This is a pass/fail class, so no letter grade will be given. Grades will be posted on the course website using an alias name of your choice (<http://www.et.byu.edu/~tom/classes/191/191.html>).

## Attendance Requirements

You are required to attend at least **seven** (7) of the eight class periods during the semester including the Dean's leadership lecture for freshman students. AIChE meetings and extra Dean's lectures do not count for these class periods. You must keep track of your attendance on the roll passed around in class. You may mark your attendance within two weeks of the seminar. To receive a "pass" for the class, **you** must take responsibility for marking your attendance for the required number of class periods. Otherwise you will receive an "E." Please remember that you are on your honor. We also ask that you conduct yourself professionally during the seminars; this means listening attentively and not talking with your neighbors, reading the newspaper, or doing homework.

## Dean's Lectures

The Dean's lecture for new engineering students will be about leadership skills, and is required. This semester it will be held on Oct. 2 in the JSB Auditorium at 11 am in place of our normal class period. This lecture is part of a series of leadership learning experiences planned throughout the ChE curriculum.

Additional Dean's lectures are optional for freshmen and will be on Nov. 6, and Nov. 20. All of these lectures are on Thursday at 11 am in the JSB Auditorium (140 JSB). These additional Dean's lectures are

recommended but not required for the class. Some of the ChE graduate seminars (254 CB, Th at 4 pm) may also be of interest to you, but these will not be counted for credit either.

## Written Assignments

Each of the following assignments is described in detail on the attached pages and on the course web site (<http://www.et.byu.edu/~tom/classes/191/191.html>).

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|--------------------------------|----------------|
| 1. Resume                      | <b>Sept 11</b> |
| 2. Master of Your Own Learning | <b>Sept 18</b> |
| 3. ChE video                   | <b>Oct 2</b>   |
| 4. Career Fair Assignment      | <b>Oct 2</b>   |
| 5. Lifelong Learning           | <b>Oct 23</b>  |
| 6. Course Plan (see below)     | see schedule   |

## Course Plan Requirement

One requirement for this class is for you to plan your classes until you graduate using a spreadsheet Planning Worksheet (<http://chemicalengineering.byu.edu/planningworksheets.php>). You must then meet with your Chemical Engineering academic advisor and discuss your plan with him and have him sign the form attached to this syllabus and available on the department web site. You are required to turn in the signed in class on the **due date (according to your last name) indicated on the form.**

## The Consequences of an “E” Grade

We hope that you will take full responsibility for meeting all the requirements for this course. If this is not the case, an “E” grade will be given. We hate to do this! The grade cannot be removed from your transcript by any make-up procedure except to take and pass an additional semester of ChEn 191 to satisfy the requirement. You cannot graduate from our program with an E grade in this class.

## Schedule

Class	Date	Subject	Assignment Due
1	Sept 4	Class Intro/Master of Your Learning	
2	11	ChE Major Requirements/Faculty Introductions	Resume
	18	Internships/Resumes (Career Fair)	Master of Learning Assignment
3	25	<b>Career Fair</b>	<b>In Place of Class, WSC Ballroom</b>
4	Oct 2	<b>College New Student Leadership Workshop</b>	<b>Required</b>
5	9	What Do Chemical Engineers Do?	Video Assignment, Career Fair Assignment, Course Plan A-F
6	16	Leadership/Lifelong Learning	Course Plan G-N
7	23	Advice to Freshmen/Role of Women	Lifelong Learning Assignment
8	30	Global Engineering Outreach	Course Plan O-Z, In-class ABET
9	Nov 6	<b>Dean's lecture</b>	<b>Attendance recommended but not required</b>
	13	No Class	
	20	<b>AIChE mtg</b>	<b>Attendance recommended but not required</b>
	27	<b>Thanksgiving Holiday</b>	Hug Grandma and Grandpa!
	Dec 4	No Class	
	11	No Class	

## Other

- There is no final exam in this class.
- AIChE meetings are not required for this class, but are recommended.