**CBE MS Track 3 (course based) Comprehensive Exam**

The comprehensive exam for Track 3 consists of **two parts**. Part 1 requires you to collect materials throughout your study. Part 2 should be answered and turned in before the exit interview (which needs to be scheduled with Prof. Lin , haiqingl@buffalo.edu prior to conferral).

**Part 1**

Collect materials from your classes (e.g. exams, tests, quizzes, presentations, projects, etc.) to support that the following **Program Learning Objectives** (PLOs) have been accomplished.

1. Achieve domain knowledge and skills in the field of chemical and biological engineering.
2. Analyze and interpret scientific or engineering data to draw sound conclusions.
3. Recognize ethical and professional responsibilities, demonstrate awareness of public health and safety issues associated with engineering solutions.
4. Communicate effectively and function collaboratively on a team to establish goals, plan tasks, and meet objectives.

These documents should be deposited into a folder in UB Box that has been created just for you. You need to create a **separate Word file** describing the content of each document and explaining how it relates to the four PLOs listed above. Include sufficient detail to make this relationship clear.

**Part 2**

| Q1. How do you plan to utilize your degree to further your career goals? |
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| Q2. What new skills have you learned while in the program that may be helpful to your long term success? |
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| Q3. What aspects of the study did you find particularly challenging? |
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| Q4. What were the most important lessons you learned in your classes? |
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| Q5. How have you been able to make connections between material learned in different courses, or apply material from one course in another? |
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| Other comments |
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Approved by :\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ /\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ / \_\_\_\_\_\_\_\_\_\_\_\_\_\_

DGS/Chair – Name Signature Date