

**WAYNE STATE UNIVERSITY  
CHEMICAL ENGINEERING**

**PLAN OF WORK FOR M.S. DEGREE**

Name: \_\_\_\_\_ Student ID No.: P \_\_\_\_\_  
 Address: \_\_\_\_\_ Telephone: \_\_\_\_\_ (H, W)  
 \_\_\_\_\_ E-mail: \_\_\_\_\_  
 Date Admitted: \_\_\_\_\_ Study Plan: A (thesis) \_\_\_\_ or C (non-thesis) \_\_\_\_

**CORE COURSES**

| Course No. | Course Title               | Credits | Sem/Yr | Grade | Remarks   |
|------------|----------------------------|---------|--------|-------|---|
| CHE 7100   | Adv. Eng. Math.            | 3       |        |       | These four courses are required for every degree student. Each course is offered once a year. |
| CHE 7200   | Adv. Transport Phenomena   | 4       |        |       |   |
| CHE 7300   | Adv. Thermodynamics        | 3       |        |       |   |
| CHE 7400   | Adv. Kin. & Reactor Design | 4       |        |       |   |
| Total      |                            | 14      |        |       |   |

**ADDITIONAL CHE COURSES**

| Course No. | Course Title            | Credits | Sem/Yr | Grade | Remarks   |
|------------|-------------------------|---------|--------|-------|---|
| CHE 5050   | Design Chem. Proc. Exp. | 3       |        |       | At least one of these two courses should be selected. |
| CHE 6997   | Process Optimization    | 3       |        |       |   |
| CHE 8997   | Graduate Seminar        | 1       |        |       | Required for Ph.D.-bound students.                    |
|            |                         |         |        |       |   |
|            |                         |         |        |       |   |
|            |                         |         |        |       |   |
|            |                         |         |        |       |   |
| Total      |                         |         |        |       |   |

- In this category, at least 10 credits of ChE courses at the level of 5000 ~ 8000 should be entered. These should include 8 credits for ChE 8999 for Plan A (Thesis M.S.) students.

**ELECTIVES IN OTHER GRADUATE PROGRAMS**

| Course No. | Course Title | Credits | Sem/Yr | Grade | Remarks |
|------------|--------------|---------|--------|-------|---------|
|            |              |         |        |       |         |
|            |              |         |        |       |         |
|            |              |         |        |       |         |
| Total      |              |         |        |       |         |

- Electives of no more than 8 credits at the 5000 ~ 8000 level in engineering (not including those in Engineering Technology Division), mathematics, and/or physical science are permitted. Other graduate courses may also qualify, but must be approved by the thesis or graduate advisor.

Note: 1. The completed form must be filed with the Chemical Engineering Office (1100 Eng.) prior to the beginning of the second semester of residence. A registration "hold" may be placed on the records of students who have not filed a Plan of Work by this deadline.

- Students must apply for M.S. degree no later than the first day of the semester expected to graduate.**

TOTAL CREDITS: \_\_\_\_\_ (at least 32)

\_\_\_\_\_  
Student Signature and Date

\_\_\_\_\_  
Thesis Advisor Signature and Date

\_\_\_\_\_  
Graduate Advisor Signature and Date

Date Status Changed \_\_\_\_\_

Date Degree Awarded \_\_\_\_\_