

**WAYNE STATE UNIVERSITY  
CHEMICAL ENGINEERING**

**PLAN OF WORK FOR M.S. DEGREE  
(For the Process Engineering and Project Management Option)**

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

**CORE COURSES**

Course No.	Course Title	Credits	Sem/Yr	Grade	Remarks
CHE 7200*	Advanced Transport	4			
CHE 7300*	Advanced Thermodynamics	3			
CHE 7400*	Advanced Kinetics	4			
Total		11			

\* CHE 7100 (Advanced Eng. Math) is not a core course, but can be taken as an elective.

**ADDITIONAL REQUIRED COURSES**

Course No.	Course Title	Credits	Sem/Yr	Grade	Remarks
CHE 6810	Chem. Process Simulation and Integration	4			
IE 6560 or CHE 6997	Optimization	3-4			
IE 6840	Project Management	4			
CHE 5050	Design of Experiments	3			Take at least one of the two courses
IE 6610	6-Sigma	4			
CHE 6570	Chemical Process Safety	3			Take at least one of the two courses
CHE 6610	Risk Assessment	3			
Total					

**ELECTIVES**

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.
2. **Students must apply for M.S. degree no later than the first day of the semester expected to graduate.**
3. No more than 3 credits may be taken in any combination of CHE8996 or CHE 7990, or CHE 8510.
4. This plan of work is for the Plan C (course work) MS only; it does not apply to the Plan A (Thesis) MS.

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

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

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

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

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