

**WAYNE STATE UNIVERSITY
CHEMICAL ENGINEERING**

**PLAN OF WORK FOR M.S. DEGREE
(For the Sustainable Engineering Option)**

Name: _____ WSU Access ID: _____
 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 Phenomena	4			Select two out of three courses
CHE 7300	Advanced Thermodynamics	3			
CHE 7400	Advanced Kinetics	4			
STE/CHE 6100	Introduction to Sustainable Engineering	3			
Total		10 ~ 11			

ADDITIONAL REQUIRED COURSES

Course No.	Course Title	Credits	Sem/Yr	Grade	Remarks
CHE 6810	Chem. Process Simulation and Integration	4			Take at least one of the two courses
CHE 6997 or IE 6560	Optimization	3-4			
AET 5120	Fundamentals of Alternative Energy Technology.	4			Take at least one of the two courses
AET 7410	Alternative Fuels: Properties, Processing, and Characterization	4			
IE 6840	Project Management	4			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		14~15			

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 Degree Awarded