

**WAYNE STATE UNIVERSITY
CHEMICAL ENGINEERING**

**PLAN OF WORK FOR M.S. DEGREE
(For the Biomolecular 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			
CHE 7300	Advanced Thermodynamics	3			
CHE 7390	Tissue Engineering & Hybrid Systems (F)	4			
Total		11			

ADDITIONAL CORE COURSES

Course No.	Course Title	Credits	Sem/Yr	Grade	Remarks
CHE 5010	Engineering Physiology	4			
BIO 5330	Principles & Applications of Biotechnology I	3			
MSE 5650	Surface Science	3			
BIO 6000	Molecular Cell Biology I	3			
Total		13			

ELECTIVE COURSES

Course No.	Course Title	Credits	Sem/Yr	Grade	Remarks
BIO 5640	Cancer Biology	3			These are recommended electives.
CHE 5811	Research Preparation II	1			
BIO 6020	Methods of Analyses (lab)	4			
BIO 6010	Molecular Cell Biology II	3			
BIO 6120	Molecular Biology Laboratory I	3			
BIO 6330	Principles & Applications of Biotechnology II	3			
CHE 8997	ChE Graduate Seminar	1			
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