CHEMICAL AND BIOMOLECULAR ENGINEERING DEPARTMENT

M.S. in Semiconductor Manufacturing Course Study Plan

Name: _____

UID#: _____

Advisor: _____

MASTERS DEGREE REQUIREMENTS

The requirements for the M.S. degree with a *Specialization in semiconductor manufacturing* are a written examination, ten courses (44 units), and a minimum 3 .0 grade-point average in the graduate courses. Chemical Engineering 104C, 104CL, 270, and a 270R course are required. Electrical Engineering 123A and Materials Science and Engineering 121 are required. In addition, students must select two elective courses from the department's list of electives, and two elective courses from elective offerings from the Departments of Electrical Engineering and Materials Science and Engineering, with a minimum of two of these in the 200 series. Approved elective courses include: Chemical Engineering C216, C219, C214, C218, 223, C240; Electrical Engineering 124, 221A, 221B, 223, 224; Materials Science and Engineering 210 and 223.All master's degree candidates are required to enroll in Chemical Engineering 299 during each quarter of residence. A program of study which encompasses these requirements must be submitted to the departmental Student Affairs Office for approval before the end of the student's second quarter of residence.

COURSE		COURSE NUMBER	UNITS*	GRADE**	QUARTER COMPLETED
COURSE 1	Chm Eng 104C (letter graded)		3		
COURSE 2	Chm Eng 104CL (letter graded)		3		
COURSE 3	Chm Eng 270*** (letter graded)		4		
COURSE 4	Chm Eng 270R (letter graded)		4		
COURSE 5	EE 123A (letter graded)		4		
COURSE 6	Mat Sci 121 (letter graded)		4		
COURSE 7	Chm Eng Elective (4 units of a 200-level elective course in Chemical and Biomolecular Engineering)		4		
COURSE 8	Chm Eng Elective (4 units of a 200-level elective course in Chemical and Biomolecular Engineering)		4		
COURSE 9	Elective (4 units of an elective course in Electrical Engineering or Materials Science and Engineering)		4		
COURSE 10	Elective (4 units of an elective course in Electrical Engineering or Materials Science and Engineering)		4		
Enroll Every Quarter In	Chm Eng 299 Departmental Seminar		2 2 2		

TOTAL NUMBER OF UNITS 44

**At least 5 courses must be in letter graded 200-level courses.*

***A minimum 3.0 GPA in graduate courses is required.*

****Chemical Engineering 220 (Advanced Mass Transfer) is a pre-approved substitution for Chemical Engineering 270.*

To be considered a full-time student, you must be enrolled in at least 12 units each quarter but no more than 18 units.

Student Signature

Date

Advisor Signature

Date

This M.S. degree program is approved by the Chemical Engineering Graduate Advisor.

Philippe Sautet
Graduate Advisor

Date

To be completed by the Student Affairs Office:

Graduate Level Cumulative GPA:

Cumulative GPA: