

**LAB PROJECT 1000-6**

**NAME:** \_\_\_\_\_

**Plan of Work**

**DATE:** \_\_\_\_\_

The purpose of Lab Project 1000-6 is to prepare a map for the completion of an Engineering Degree. This project is research intensive. Start as soon as possible.

- A. Contact or visit three Engineering schools and also the University Center located at the south end of the Center Campus of Macomb Community College.
1. Obtain catalogs or otherwise find out all engineering programs available at each of these four institutions. List the schools and the programs in your report.
  2. Choose one school and one engineering program that you might be interested in. List the name of the school, the name of the program and **list all** the required courses for that program .

Example:

A.1. Visited University of Detroit Mercy  
Programs:    Mechanical Engineering  
              Electrical Engineering  
              etc.

Contacted Oakland University  
Programs:    Mechanical Engineering  
              etc.

Received catalog from Kettering University  
Programs:    Mechanical Engineering  
              etc.

A.2. I choose University of Detroit Mercy Mechanical Engineering.  
Required courses for a Bachelor's Degree:  
          MEC 101     Engineering Overview  
          MAT 155     Calculus 1  
          ENG 110     English Composition  
          etc.

B. Contact or visit counseling at MCC or at the Engineering school of your choice. Counselors and Advisors are busy and will require that you make an appointment. The counselor is not there to do your project for you. Tell the counselor which school you are interested in and request a list of courses that will transfer.

1. Find out which of the courses you have already taken at MCC that will transfer to the program of your choice. List them in your report.
2. Find out which additional courses you could take at MCC that will transfer. List them in your report.
3. Find out the courses you could take at the University Center. If this is an option, list them in your report.
4. List the remaining courses you will have to take on the campus of the Engineering school in order to complete your degree requirements.

Example:

B.1. Courses that I have completed at MCC that will transfer to UDM

ENGR 1000 Introduction to Engineering

MATH 1760 Calculus 1

ENGL 1180 English Composition

etc.

B.2. Courses that I can still take at MCC that will transfer to UDM

MATH 1770 Calculus 2

ENGL 1190 English Composition

etc.

B.3. Courses that would be available to me at the University Center

ME 346 Engineering Design (Oakland U)

etc.

or: None available for UDM

B.4. Courses that I will have to take on the Campus of UDM

MEG 355 Mechanical Laboratory

CSC 420 Computer Simulation

etc.

C. Through phone calls, **current** class schedules or the web, find out the cost of tuition for classes at each location you will be taking classes. At some schools there is a different rate for lower level and upper level classes.

Example:

C.	Macomb Community College	\$60.00 per credit hour
	Oakland University	\$256.00 per credit hour lower level
or:	University of Detroit Mercy	\$4250.00 per semester full time

D. Prepare a Plan of Work and Cost

1. Showing dates of attendance (i.e.: Fall 2004), list the courses you will be taking at each location and the approximate cost per semester. Estimate \$180.00 for books, course fees and supplies for each course.

Example:

D.1. Fall 2004 Macomb Community College

MATH 1760	4	\$240	+	\$180	=	\$420
PHYS 1160	4	\$240	+	\$180	=	\$420
PSYC 1010	3	\$180	+	\$180	=	\$360
PEDH 1300	1	\$ 60	+	\$180	=	\$240
						Total Cost \$1,440

Winter 2005 Oakland University

MAT 210	4	\$1024	+	\$180	=	\$1204
ENG 360	3	\$ 768	+	\$180	=	\$ 948
ME 450	5	\$1280	+	\$180	=	\$1460
						Total Cost \$3612

2. Add up the total cost of your education starting with next semester until your graduation.
  3. Realistically estimate your cost of food, shelter, and transportation for each semester.
  4. If you plan to work while taking classes, follow the 60 hour rule. Consider any semesters, including summer, during which you will work a full time job, co-op position, or engineering internship. Realistically, show the amount of income you expect from any **such** wages - include your calculations.
  5. Comparing your income and your total expenses, calculate the amount of assistance you may need from scholarships, financial aid, savings, parents and relatives, or lending institutions.
  6. List the phone number of the MCC Financial Aids Office.
- E. Present your report very neatly prepared and typed. This project is due on the "last day to turn in lab projects" as shown in the syllabus. It will be a **very** ambitious project if you wait until the week prior to the due date to start.