

IT IS IMPORTANT TO SEE AN M.C.C. COUNSELOR EACH SEMESTER FOR ACADEMIC ADVISING. TO SCHEDULE AN APPOINTMENT CALL (231) 777-0362.

Muskegon Community College Curriculum Guide

Curriculum: MANUFACTURING ENGINEERING – WESTERN MICHIGAN UNIVERSITY MUSKEGON REGIONAL CENTER

Curriculum Code: W10M

This guide is appropriate for those students planning to transfer to W.M.U. into the field of Manufacturing Engineering. This program is only available through the Muskegon Regional Center of Western Michigan University. Other Engineering majors are available in Kalamazoo and students should follow the appropriate curriculum guide (W10). This guide is not designed to obtain an A.S.A. degree from M.C.C. If you wish to fulfill the requirements for the A.S.A. degree, consult with an M.C.C. counselor.

CREDIT HOURS

English 101 English Composition	3
Communications 101 Oral Communications	3
<u>or</u>	
Communications 201 Public Speaking	3
Chemistry 101Lec & 101A General & Inorganic, Lec and Lab (prereq.: Chemistry 100Lec & 100A or equiv.)	5
Mathematics 161 Calculus I	4
Mathematics 162 Calculus II	3
Mathematics 283 Calculus III	4
Mathematics 295 Differential Equations with Linear Algebra	4
Mathematics 215 Probability and Statistics for Engineering	3
Physics 203L&L, 204L&L Engineering Physics, Lec and Lab	10
CIS 185 "C" Programming (prerequisite: CIS 120A)	3
CAD 110 Introduction to Computer-Aided Drafting (prerequisite: CAD 100 or equivalent)	3
Engineering 202 Statics	3
Engineering 204 Engineering Dynamics	3
Philosophy 102 Principles of Logic	3
MT 206 2-D CAD/CAM Computer –Aided Design/Machining (with instructor permission)	3

**CHOOSE UP TO 8 CREDITS FROM THE FOLLOWING GENERAL EDUCATION REQUIREMENT AREAS:
(the remaining requirements will be taken on-line)**

AREA I – FINE ARTS (3 CREDIT HOURS MINIMUM)

Art 101, 198, 199
English 102, 204, 205, 206, 208
Humanities 195
Music 103
Theater 101, 201

AREA III – U.S.: CULTURES AND ISSUES (3 CREDIT HOURS MINIMUM)

History 201, 202, 207
Political Science 111
Sociology 102
Anthropology 103
Women's Studies 101

AREA IV – OTHER CULTURES AND CIVILIZATIONS (3 CREDIT HOURS MINIMUM)

Anthropology 110
English 207
History 210 (will fulfill a 300-level general education requirement at W.M.U.)

AREA V – SOCIAL AND BEHAVIORAL SCIENCES (3 CREDIT HOURS MINIMUM)

Anthropology 105
Business 121
Economics 101, 102
Geography 104 (was 102A, 102C), 105
History 204, 211, 220
Political Science 202, 203, 211, 220
Psychology 201
Sociology 101, 202

AREA VIII – HEALTH AND WELL-BEING (2 CREDIT HOURS MINIMUM)

Health Education 106

NOTES:

English, Reading, Mathematics and Chemistry Placement Tests may be required and are available in Testing Services, located in Room 134 – 777-0394. English and Reading placement tests may be waived if you show documentation of a proficiency level 1 or 2 on the high school MEAP or MME writing and reading tests or if you have an ACT composite score of 22 or greater. The Mathematics placement test may be waived if you show documentation of a score of 28 or above on the ACT Math test.

Students should check the M.C.C. catalog for course prerequisites.

This program is only available through the Muskegon Regional Office of W.M.U. For further information contact the Department of Manufacturing Engineering at (231) 777-0593. The office is housed in Room 1106 in the Stevenson Center for Higher Education.

Concurrent enrollment at W.M.U. is advised as students should take W.M.U.'s ECE 2120, IME 1500, MFE 1200, and MFE 2200 during the first two years.