

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: ENGINEERING TECHNOLOGY – CENTRAL MICHIGAN UNIVERSITY

Curriculum Code: C10B

The following courses will fulfill requirements for the Associate in Science and Arts Degree. It is designed for students who plan to transfer to C.M.U. and major in Engineering Technology after completing the A.S.A. degree at M.C.C.

REQUIRED FOUNDATIONAL SKILLS – You must demonstrate a minimum level of achievement, either by successful testing or satisfactory course completion (a grade of “C” or better) in four areas:	
1. Writing	English 085, 089, 091 or 114
2. Reading	Reading 040A or 040C
3. Math	Mathematics 50 or 107 (or complete higher level course)
4. Computers	CIS 100 or any other CIS course (Consult a counselor regarding transferability. CIS 110 or 120A are strongly recommended.)

English, Reading and Mathematics Placement Tests may be required and are available in the Testing Center, 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 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.

MINIMUM CREDITS

GENERAL EDUCATION
COMMUNICATION

English 101 and 102 English Composition 6

SCIENCE/MATH

Chemistry 100 Fundamentals of Chemistry, L&L 5

or

Chemistry 101 General & Inorganic, L&L 5

Physics 201 General Physics (prerequisite: Mathematics 112) 4

or

Physics 203 Engineering Physics (prerequisite: Mathematics 161) 5

Chemistry Placement Test is required prior to taking Chemistry 101 L&L. The Testing Center is in Room 134. Call 777-0394 for an appointment.

THE HUMAN EXPERIENCE

AESTHETIC VALUES

Art 101, 104, 105B (was 105), 107, 108, 109, 204B (was 204), 205, 207, 208, 209, 211 3

Dance 100, 101, 102, 106, 200, 201, 213, 218

English 208 (or Communications 203), 223

Music – any 100 level or above course

Theater 101, 102, 108, 120, 141, 142, 144, 145, 147, 148, 160, 201, 202, 203, 210, 212, 217, 260

ETHICS AND LOGIC

Philosophy 101 (taken Fall 2000 or later), 102, 104, 202, 204, 205, 207 3

SOCIAL RELATIONSHIPS

Economics 101, 102, 130 3

Psychology 102, 201, 202, 203, 210 (same course as Sociology 210)

Sociology 101, 102, 202, 203, 206, 210 (same course as Psychology 210)

Women's Studies 101

MINIMUM CREDITS**HUMAN CULTURES****WESTERN WORLD**

Art 198, 199, 202
 English 200, 201, 204, 205, 206, 210, 213, 225, 226, 227, 228
 History 101, 102, 204
 Humanities 195
 Music 103
 Philosophy 101 (taken prior to Fall 2000)
 Political Science 203
 Theater 201

3

AMERICAN

History 201, 202, 207, 211, 220
 Political Science 111, 205, 220

3

INTERNATIONAL

If the credit hours from AMERICAN CULTURES and SOCIAL RELATIONSHIPS total less than 8 credits, the choices are:

Anthropology 103, 110
 Geography 102C (was 102A), 105
 Political Science 202, 210, 211

If the credit hours from AMERICAN CULTURES and SOCIAL RELATIONSHIPS total 8 credits or more, then other options are:

English 207, 211, 218
 French 101, 102, 201, 202
 German 101, 102, 201, 202
 History 210
 Philosophy 203, 210
 Spanish 101, 102, 201, 202

3

PHYSICAL EDUCATION

Choose one from PEA 101A, 103, 104A, 118, or 201 **and** one PEA or DNC credit hour of choice.

2

CHOOSE FROM THE FOLLOWING FOR A TOTAL OF 62 CREDITS**C.M.U. COMPETENCY REQUIREMENT**

Communications 101 Oral Communications

3

or

Communications 210 Introduction to Debate (if available)

3

DEGREE REQUIREMENTS

Mathematics 112 Trigonometric Functions with Coordinate Geometry

4

Mathematics 161 Calculus I

4

Mathematics 162 Calculus II

3

Physics 202 General Physics

4

or

Physics 204 Engineering Physics (M.C.C. prerequisite: Mathematics 162)

5

CIS 165 FORTRAN Programming (other option is available at C.M.U.)

3

MAJOR RELATED REQUIREMENTS

CAD 110 Introduction to Computer-Aided Drafting (2D) (prerequisite: CAD 100 or equivalent)
 (other option is available at C.M.U.)

3

CAD 120 Descriptive Geometry (prerequisite: CAD 100 or equivalent)

3

CAD 230 Tool Design (prerequisite: CAD 220)

3

(other option is available at C.M.U.)

TECHNICAL COURSES

variable

Most technical coursework at M.C.C. transfers to C.M.U. as General IET Department credit. Students should contact C.M.U.'s IET Department for selection of technical courses (989) 774-3033.

TOTAL 62

NOTES:

In order to satisfy the University Program General Education Requirements area at C.M.U., your final community college transcript must be stamped MACRAO Agreement Satisfied.

A second part of C.M.U.'s General Education Requirements includes three basic competencies which can be satisfied at M.C.C. before transferring to C.M.U. by passing the following courses with a grade of "C" or better: English 101 and 102, Communications 101 or 210, and Mathematics 50 or above (except Mathematics 105). C.M.U. requires these competencies to be fulfilled within the first 56 credit hours.

Transfer students should normally have a minimum G.P.A. of 2.5 prior to transferring to C.M.U. For further information contact the Admissions Office at C.M.U.

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

It is recommended that Engineering Technology majors become familiar with the Engineering and Technology section in the C.M.U. Bulletin found at <https://bulletins.cmich.edu>.