

**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: INDUSTRIAL EDUCATION - CENTRAL MICHIGAN UNIVERSITY**

**Curriculum Code: C09F**

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 Industrial Education after completing the A.S.A. degree at M.C.C.

<b>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:</b>	
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.

**GENERAL EDUCATION**

**MINIMUM CREDITS**

**COMMUNICATION**

English 101 and 102 English Composition 6

**SCIENCE/MATH**

Courses must be taken in more than one academic area. Must include at least 4 credits of lab science. 8

Lab Science options:

Biology 100 (10A,B,C,D,E,F,G,H,J), 103 L&L, 104 L&L, 105 L&L, 106 L&L, 109, 110, 120, 122, 207 L&L

!!! Chemistry 100 L&L, 101 L&L, 102 L&L, 109 L&L, 120 L&L, 130 L&L, 201 L&L, 202 L&L

Geography 101A, 215

Geology 101A, 102

Physical Science 101A

Physics 201, 202, 203, 204

**(Biology 100 modules are no longer being offered.)**

Non-lab options:

Anthropology 105

Astronomy 101, 105A (same course as Physics 105A)

Biology 200, 207 – lecture only

Geography 101

Mathematics 105, 107, 109, 111, 112, 115 (or Business 105), 151, 161, 162, 215, 274, 283, 295

Physics 105A (same course as Astronomy 105A)

!!! Chemistry Placement Test is required prior to taking Chemistry 101 L&L.

**THE HUMAN EXPERIENCE**

**AESTHETIC VALUES**

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

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

**3**

**MINIMUM CREDITS****ETHICS AND LOGIC**

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

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**SOCIAL RELATIONSHIPS**

Economics 101, 102, 130

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

3

**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.

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**C.M.U. COMPETENCY REQUIREMENT**

Communications 101 Oral Communications

or

Communications 210 Introduction to Debate (if available)

Mathematics 50 Intermediate Algebra (or above except Mathematics 105)

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**SECONDARY EDUCATION REQUIREMENT**

Education 101A Introduction to Education

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**MAJOR RELATED COURSES**

CAD 100 Introduction to Drafting (other options are available at C.M.U.)

Electricity 101 Electricity–Basic

or

Electronics 101 Electronics–Basic

For selection of technical courses to complete a total of 62 credits – contact C.M.U.'s IET Department at (989) 774-3033.

variable

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TOTAL 62

## NOTES:

Please refer to the following website for information regarding admissions to teacher education:

[www.chs.cmich.edu/css](http://www.chs.cmich.edu/css)

Basic Skills Tests are required for all teacher education candidates. These tests should be taken during a student's second year or after the completion of the math requirement specified on this guide. For more information go to:

[www.mttc.nesinc.com](http://www.mttc.nesinc.com)

Students are required to present evidence of at least 45 clock hours of experience working with children or youth prior to their admission to the Teacher Education Program. Please note that these 45 hours must be done in a classroom setting.

For admission to Teacher Education, a "B-" or better is required in English 101 or 102 and a "B" or better in Education 101A. Students must have a gpa of 2.7 or higher for the most recent 45 credit hours.

This is a limited enrollment program. The deadline for application to the College of Teacher Education is February 1 for Fall and September 1 for Spring. There is a \$50 non-refundable application fee. Further admission requirements information should be obtained from C.M.U. Teacher Education Student Services, 204 Ronan Hall, (989) 774-3309 and the C.M.U. Bulletin. See also the above website.

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.

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

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