

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: COMPUTER SCIENCE – MICHIGAN TECHNOLOGICAL UNIVERSITY

Curriculum Code: T06

The following are courses recommended by M.T.U. They are not designed to obtain a degree from M.C.C.

CREDIT HRS.

Mathematics 161, 162 Calculus I, II	7
Mathematics 276 (replaces Mathematics 274) Linear Algebra with Applications	3
<u>or</u>	
Mathematics 295 Differential Equations with Linear Algebra	4
Mathematics 115 Probability and Statistics	3
<u>or</u>	
Mathematics 215 Probability and Statistics for Engineering	3
*CIS 185 "C" Programming (elective)	3
CIS 280 Java Programming	3
Physical Education Activity	3
Choose two courses from the following Approved Lab Science electives:	8-10
Biology 100 (modules 10A,E,F,G are preferred), 103L&L, 104L&L, 105L&L, 106L&L, 110L&L	
(Biology 100 modules are no longer being offered.)	
Chemistry 101Lec & 101A, 102Lec & 102A, 109Lec & 109A	
Geology 101A, 102	
Physical Science 101A	
Physics 201L&L, 202L&L, 203L&L, 204L&L	

General Education Requirements - Choose from the following, up to 25 credit hours:
(at least 3 credits must be equivalent to junior or senior level courses – comparable courses at M.C.C. are designated with a *)

English 101, 102 English Composition	6
Choose one course from:	3-4
Economics 101, 102	
Political Science 111	
Sociology 101	
Choose one course from:	3-4
Anthropology 103, 110	
Geography 104 (was 102A, 102C)	
History 101, 102, 210	

The remaining credits can be chosen from:

- Anthropology 103 (if not chosen above), 105, 110 (if not chosen above)
- Art 198, 199, 202
- Communications 101, 102, *107, 201, 203 (same as English 208)
- Economics 101 (if not chosen above), 102 (if not chosen above)
- English 200, 201, 204, 205, 206, 208 (same as Communications 203), 211, 213, 218, 222, 225, 226, 227, 228
- Foreign Language 101, 102, *201, *202
- Geography 101A, 104 (was 102A, 102C) (if not chosen above)
- History 101 (if not chosen above), 102 (if not chosen above), 201, *202, 204, 207, 210 (if not chosen above), *211, 220
- Humanities 195
- Music 103
- Philosophy 101, 102, 104, 202, 203, 204, 205, 207, 210
- Political Science 111 (if not chosen above), 112A, 202, 203, 205, 211, 220
- Psychology 102, 201, 202, 203
- Sociology 101 (if not chosen above), 102, 202
- Theater 101, 108, 201

Up to 3 credits of the following may be taken – Art 104, 107, 204B (was 204), 207; Music 104CS, 105CS, 109CB, 118WSO; Theater 102, 120, 141, 142, 144, 145, 147, 148, 160, 202, 203, 210, 212, 217.

NOTE:

*Students with credit for CIS 185 can be placed into an accelerated computer science sequence if CIS 280 is not taken at M.C.C.

M.T.U.'s Computer Science Department recommends that students transfer to M.T.U. after one year at M.C.C. Michigan Tech's Computer Science classes are JAVA-based.

English, Reading, Chemistry, and Mathematics Placement Tests may be required and are available in Testing Services, located in Room 134 or call (231)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.

Students desiring an Associate Degree from M.C.C. should consult a counselor.

All recommended courses will transfer and apply towards degree requirements provided a "C"(2.0 on a 4.0 scale) or better are earned. It is not required that students complete all recommended courses prior to enrolling at Michigan Tech. There are no minimum or maximum credit restrictions in effect for transfer students. There is a residency requirement of one year for all students. Qualified students will be accepted any time they choose to apply regardless of the number of courses completed provided openings exist in their requested program.

It is recommended that Computer Science majors become familiar with the Computer Science section in the M.T.U. catalog.