

**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: BIOLOGICAL SCIENCES – MICHIGAN TECHNOLOGICAL UNIVERSITY Curriculum Code: T04A**

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

	<u>CREDIT HRS.</u>
Mathematics 115 Probability and Statistics	3
Mathematics 151 Survey of Calculus	4
<u>or</u>	
Mathematics 161 and 162 Calculus I and II	7
Chemistry 101Lec & 101A General & Inorganic, Lec & Lab (M.C.C. prerequisites: Mathematics 109 or 111 and Chemistry 100Lec and 100A or equivalent)	5
Chemistry 102Lec & 102A General & Inorganic, Lec & Lab	5
Chemistry 201E & 201F, 202F & 202G Organic, Lec & Lab	10
Physics 201L&L, 202L&L Principles of Physics, Lec & Lab (M.C.C. prerequisite: Mathematics 112)	8
<u>or</u>	
Physics 203L&L (M.C.C. prereq: Math 161) and 204L&L (M.C.C. prereq: Math 162) Engineering Physics	10
Biology 103L&L <u>or</u> Biology 100 (10A,E,F,G) Introductory Biology	4
<b>(Biology 100 modules are no longer being offered.)</b>	
Biology 105L&L Anatomy & Physiology I, Lec & Lab	4
Biology 106L&L Anatomy & Physiology II, Lec & Lab (elective)	4
Biology 207Lec & 207A Microbiology, Lec & Lab (other option available at M.T.U.)	4
Physical Education Activity	3

General Education Requirements - Choose from the following, up to 28 credit hours:  
(at least 6 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, 141, 142, 144, 145, 147, 148, 160, 202, 203, 210, 212, 217.

**NOTE:**

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 grades of "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 Biological Sciences majors become familiar with the Biological Sciences section in the M.T.U. catalog.