

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: BIO-MEDICAL SCIENCES – GRAND VALLEY STATE UNIVERSITY Curriculum Code: G70A
Pre-Medical, Pre-Dental, Pre-Podiatry, Pre-Chiropractic, Pre-Optometry

The following courses will fulfill requirements for the Associate in Science and Arts Degree. It is designed for students who plan to transfer to G.V.S.U. and major in Bio-Medical Science 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 050 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.)
<p>English, Reading and Mathematics 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.</p>	

<u>GENERAL EDUCATION</u>	<u>MINIMUM CREDITS</u>
<u>COMMUNICATION</u>	
English 101 and 102 English Composition	6
<u>SCIENCE/MATH</u>	
Chemistry 101 Lec & 101A General & Inorganic, Lec & Lab	5
Mathematics 111 Algebra with Coordinate Geometry	4
Chemistry Placement Test is required prior to taking Chemistry 101 Lec & 101A.	
<u>THE HUMAN EXPERIENCE</u>	
<u>AESTHETIC VALUES</u>	3
Art 104, 105B (was 105), 107, 108, 109, 204B (was 204), 205, 207, 208, 209, 211	
Dance 100, 101, 102, 106, 200, 201, 206, 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	
<u>ETHICS AND LOGIC</u>	3
Philosophy 101, 102, 104, 202, 204, 205, 207	
<u>SOCIAL RELATIONSHIPS</u>	3
Economics 101, 102, 130	
Psychology 102, 201, 202, 203, 205A, 207, 208, 210 (same as Sociology 210)	
Sociology 101, 102, 202, 203, 206, 210 (same as Psychology 210)	
Women’s Studies 101	
<u>HUMAN CULTURES</u>	
<u>WESTERN WORLD</u>	3
Art 198, 199, 202	
English 200, 201, 204, 205, 206, 210, 213, 225, 226, 227, 228	

MINIMUM CREDITS

History 101, *102, 204
 Humanities 195
 Music 103
 Political Science 203
 Theater 201

AMERICAN

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

3

INTERNATIONAL

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

Anthropology 103, 110
 Geography 104 (was 102A, 102C), 105
 History 195
 Political Science 202, 211

3

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

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**ADDITIONAL G.V.S.U. GENERAL EDUCATION REQUIREMENTS**

Choose one course from the following if not taken to fulfill a general education requirement:
 Anthropology 110; English 211; Foreign Language 202; Geography 105; Philosophy 210;
 Political Science 211

0-4

Choose one course from the following if not taken to fulfill a general education requirement:
 Anthropology 103; Sociology 102, 202

0-3

MAJOR RELATED COURSES

Biology 100 (10A, F, G, H) or (10A, E, F, G) or Biology 103 Lec & 103A Intro. Biology, Lec & Lab
(Biology 100 modules are no longer being offered.)

4

Biology 105 Lec & 105C Anatomy & Physiology I, Lec & Lab (both must
 Biology 106 Lec & 106A Anatomy & Physiology II, Lec & Lab be taken)

4

Biology 207 Lec & 207A Microbiology, Lec & Lab

4

Chemistry 102 Lec & 102A General & Inorganic, Lec & Lab

5

Chemistry 201E & 201F Organic, Lec & Lab

5

Chemistry 202F & 202G Organic, Lec & Lab

5

Mathematics 112 Trigonometric Functions with Coordinate Geometry

4

Mathematics 115 Probability & Statistics

3

or

Business 105 Business Statistics

3

Physics 201L&L Principles of Physics, Lec & Lab (if time permits)

4

Physics 202L&L Principles of Physics, Lec & Lab (if time permits)

4

COGNATE REQUIREMENTS

B.S. – Fulfilled with major requirements.

TOTAL

62

NOTES:

*G.V.S.U. awards the same equivalency credit for M.C.C.'s History 102 and 210. Students are advised not to take both courses at M.C.C. if they wish to transfer to G.V.S.U.

Transfer students are required to have a minimum GPA of 2.5.

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

It is recommended that Biomedical Sciences majors become familiar with the Biomedical Sciences section in the G.V.S.U. catalog; copies are available in Room 1106 in the Stevenson Center for Higher Education.