**Muskegon Community College Curriculum Guide**

**Curriculum: GEOLOGY – GRAND VALLEY STATE UNIVERSITY**

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 Geology 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:

<table>
<thead>
<tr>
<th>Area</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Writing</td>
<td>English 085, 089, 091 or 114</td>
</tr>
<tr>
<td>2. Reading</td>
<td>Reading 040A or 040C</td>
</tr>
<tr>
<td>3. Math</td>
<td>Mathematics 050 or 107 (or complete higher level course)</td>
</tr>
<tr>
<td>4. Computers</td>
<td>CIS 100 or any other CIS course (Consult a counselor regarding transferability. CIS 110 or 120A are strongly recommended.)</td>
</tr>
</tbody>
</table>

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.

### GENERAL EDUCATION

#### COMMUNICATION

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 101 and 102 English Composition</td>
<td>6</td>
</tr>
</tbody>
</table>

#### SCIENCE/MATH

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>Chemistry 101Lec &amp; 101A General &amp; Inorganic, Lec &amp; Lab</td>
<td>5</td>
</tr>
<tr>
<td>Mathematics 111 Algebra with Coordinate Geometry</td>
<td>4</td>
</tr>
</tbody>
</table>

Chemistry Placement Test is required prior to taking Chemistry 101Lec & 101A.

#### THE HUMAN EXPERIENCE

**AESTHETIC VALUES**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art 104, 105B (was 105), 107, 108, 109, 204B (was 204), 205, 207, 208, 209, 211</td>
<td></td>
</tr>
<tr>
<td>Dance 100, 101, 102, 106, 200, 201, 206, 213, 218</td>
<td></td>
</tr>
<tr>
<td>English 208 (or Communications 203), 223</td>
<td></td>
</tr>
<tr>
<td>Music – any 100 level or above course</td>
<td></td>
</tr>
</tbody>
</table>

#### ETHICS AND LOGIC

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Philosophy 101, 102, 202, 204, 205, 207</td>
<td>3</td>
</tr>
</tbody>
</table>

#### SOCIAL RELATIONSHIPS

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Economics 101, 102, 130</td>
<td></td>
</tr>
<tr>
<td>Psychology 102, 201, 202, 203, 205A, 207, 208, 210 (same as Sociology 210)</td>
<td></td>
</tr>
<tr>
<td>Sociology 101, 102, 202, 203, 206, 210 (same as Psychology 210)</td>
<td></td>
</tr>
<tr>
<td>Women’s Studies 101</td>
<td>3</td>
</tr>
</tbody>
</table>
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
Political Science 203
Theater 201

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

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
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.

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: 0-4
Anthropology 110; English 211; Foreign Language 202; Geography 105; Philosophy 210;
Political Science 211
Choose one course from the following if not taken to fulfill a general education requirement: 0-3
Anthropology 103; Sociology 102, 202

MAJOR RELATED COURSES
Chemistry 102Lec & 102A General & Inorganic, Lec & Lab
Mathematics 112 Trigonometric Functions with Coordinate Geometry
Mathematics 161, 162 Calculus I, II
or
CIS 100A Intro. to Computer Information Systems (or CIS 110) (and an additional course at G.V.S.U.)
or
Mathematics 115 Probability and Statistics (or Business 105)
(and an additional course at G.V.S.U.)
Physics 201L&L and 202L&L Principles of Physics, Lec & Lab
or
Physics 203L&L (prereq.: Math 161) and 204L&L (prereq.: Math 162) Engineering Physics, Lec & Lab
Geology 101A Introduction to Physical Geology
Geology 102 Introduction to Earth History

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 transfer GPA of 2.5.

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

Contact the Chairperson of the department at G.V.S.U. for information regarding scholarships for Geology majors.

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

The information contained in this curriculum guide is accurate as of January 2011 and is subject to change by both institutions.