

**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: RADIOLOGIC & IMAGING SCIENCES – GRAND VALLEY STATE UNIVERSITY  
Radiation Therapy; Diagnostic Medical Sonography**

**Curriculum Code: 012G**

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 Radiologic & Imaging Sciences 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 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.)

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.

<b><u>GENERAL EDUCATION</u></b>	<b><u>MINIMUM CREDITS</u></b>
<b><u>COMMUNICATION</u></b>	
English 101 and 102 English Composition	6
<b><u>SCIENCE/MATH</u></b>	
Biology 105Lec & 105C Anatomy and Physiology I, Lec & Lab (both Biol 105 and 106 must be taken)	4
Mathematics 112 Trigonometric Functions with Coordinate Geometry (prerequisite for Physics 201)	4
<b><u>THE HUMAN EXPERIENCE</u></b>	
<b><u>AESTHETIC VALUES</u></b>	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	
<b><u>ETHICS AND LOGIC</u></b>	3
Philosophy 101, 102, 104, 202, 204, 205, 207	
<b><u>SOCIAL RELATIONSHIPS</u></b>	
Psychology 201 General Psychology	4
<b><u>HUMAN CULTURES</u></b>	
<b><u>WESTERN WORLD</u></b>	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.

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**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

**MAJOR RELATED COURSES**

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

Mathematics 115 Probability & Statistics

or

Business 105 Business Statistics

Physics 201L&L and 202L&L Principles of Physics, Lec & Lab

Allied Health 101 Medical Terminology

Sociology 202 Social Disorganization (Social Problems) (M.C.C. prerequisite: Sociology 101)

4

3

3

8

3

3

**COGNATE REQUIREMENTS**

B.S. – Fulfilled through major requirements

**ELECTIVES**

variable

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 will need to complete one – two semesters of prerequisite courses at G.V.S.U. prior to applying to the Radiologic and Imaging Sciences programs: Radiation Therapy or Diagnostic Medical Sonography. Students will need to take G.V.S.U. courses not available at M.C.C. to fulfill the theme requirement and RIS prerequisites to be eligible to apply to the RIS program. Before applying to the RIS program students apply to G.V.S.U. as a general student.

Students interested in this program must apply to the Radiologic and Imaging Sciences department of G.V.S.U. by February 1 of the year they intend to begin the program. The secondary application for the program can be found on the G.V.S.U. website. The admissions process is competitive. There are no waiting lists.

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

It is recommended that Radiologic & Imaging Sciences majors become familiar with the Radiologic and Imaging Sciences section in the G.V.S.U. catalog; copies are available in Room 1106 in the Stevenson Center for Higher Education. Their website is [www.gvsu.edu/rad](http://www.gvsu.edu/rad).