Prerequisite classes offered at Lake Superior State University (LSSU) to be completed prior to admission into the Radiography Program are as follows:

<table>
<thead>
<tr>
<th>Course #:</th>
<th>Credits:</th>
<th>Course Name:</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLTH 101</td>
<td>2</td>
<td>Introduction to Medical Terminology</td>
</tr>
<tr>
<td>BIOL 121</td>
<td>4</td>
<td>Human Anatomy and Physiology I</td>
</tr>
<tr>
<td>BIOL 122</td>
<td>4</td>
<td>Human Anatomy and Physiology</td>
</tr>
<tr>
<td>ENGL 110</td>
<td>3</td>
<td>First Year Composition I</td>
</tr>
<tr>
<td>MATH 088</td>
<td>3</td>
<td>Introductory Algebra I, II, III</td>
</tr>
</tbody>
</table>

Note: BIOL 131 General Biology is also recommended.

The following General Education courses included in the shared Radiography curriculum are offered at LSSU. It is recommended that they be completed prior to beginning the program.

<table>
<thead>
<tr>
<th>Course #:</th>
<th>Credits:</th>
<th>Course Name:</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 101 or 110</td>
<td>3</td>
<td>Fundamentals of Speech Communication</td>
</tr>
<tr>
<td>PSYC 101</td>
<td>4</td>
<td>Introduction to Psychology</td>
</tr>
</tbody>
</table>

Additionally, SSC 200 (Social Sciences and Contemporary America) is to be taken at Mid or equivalent credit earned.

For Anatomy and Physiology courses, a grade of "B-" or higher must be earned. Science courses must have been completed within five years of the date the student formally begins the program.

Students who have earned an Associates Degree from an accredited college have met the Mid General Education Level I requirements for English Composition, Fundamentals of Communications, and Algebra. Students who have earned a Bachelors Degree from an accredited college also have met General Education Level requirements as well as the Level II Social Sciences requirements.
You, as a student, are responsible for meeting requirements for your curriculum. Your advisor is available for consultation. At least 15 of these credit hours must be taken at Mid. A minimum of 71.5 credits is required to complete this program.

<table>
<thead>
<tr>
<th>Course #</th>
<th>Credit/Contact</th>
<th>Course Title</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALH 100</td>
<td>2 2</td>
<td>Medical Terminology</td>
<td>Placement into ENG 111 or ENG 110 with a minimum grade of &quot;C&quot;</td>
</tr>
<tr>
<td>ENG 111</td>
<td>3 3</td>
<td>Freshman English Composition</td>
<td></td>
</tr>
<tr>
<td>MAT 104</td>
<td>3 3</td>
<td>Basic Algebra</td>
<td>Minimum grade of &quot;C&quot; in MAT 101 or a minimum grade of &quot;C&quot; in MAT 102 OR equivalent</td>
</tr>
<tr>
<td>BIO 138</td>
<td>6 8</td>
<td>Human Anatomy and Physiology</td>
<td>BIO 101 (minimum grade of C)</td>
</tr>
<tr>
<td>OR BIO 141 AND BIO 142</td>
<td>4 5</td>
<td>Anatomy &amp; Physiology I AND Anatomy &amp; Physiology II</td>
<td>BIO 101 (minimum grade of C) or equivalent</td>
</tr>
<tr>
<td>SPE 101</td>
<td>3 3</td>
<td>Fundamentals of Communication</td>
<td>ENG 111 and either SPE 101 or 257 (minimum grade of &quot;C&quot; in each)</td>
</tr>
<tr>
<td>OR SPE 257</td>
<td></td>
<td>Public Speaking</td>
<td></td>
</tr>
<tr>
<td>PSY 101</td>
<td>3 3</td>
<td>Introduction to General Psychology</td>
<td></td>
</tr>
<tr>
<td>SSC 200</td>
<td>3 3</td>
<td>The Social Sciences &amp; Contemporary America</td>
<td></td>
</tr>
</tbody>
</table>

**Prerequisites to the Program**: 23 - 25 credit hours
- ALH 100
- ENG 111
- MAT 104
- BIO 138
- OR BIO 141 AND BIO 142
- SPE 101 OR SPE 257
- PSY 101
- SSC 200
- ENG 111 and either SPE 101 or 257 (minimum grade of "C" in each)

**Program courses**: 44.5
- RAD 100 3 4 Introduction to Radiologic Technology
- RAD 110 2 2 Radiation Physics
- RAD 113 1 1 Radiation Biology
- RAD 115 3 4 Principles of Radiographic Exposure
- RAD 130 4 5.5 Radiographic Procedures I
- RAD 213 1 1 Radiation Protection
- RAD 175 3 4 Radiographic Procedures II (hybrid)
- RAD 180 6 15 Clinical Experience I
- RAD 201 2 2 Clinical Issues in Radiography I (hybrid)
- RAD 205 7 15 Clinical Experience II
- RAD 211 1 1 Sectional Anatomy (hybrid)
- RAD 217 2 2 Advancements in imaging (hybrid)
- RAD 221 2 2 Clinical Issues in Radiography II (online)
- RAD 250 7.5 15 Clinical Experience III

Important program notes and schedule of courses on reverse (print version) or page two (digital version).
NOTES:

* All courses in a semester must be passed with a minimum grade of “C” to progress to the next semester.
* BIO 138 (or BIO 141 & BIO 142 each) must be passed with a minimum grade of “B−”.
* The Anatomy and Physiology courses must have been completed within five (5) years of the date the student
  * Prerequisites for this program may be repeated only once.

SUGGESTED SEQUENCE (after completion of pre-requisites)

FIRST SEMESTER
RAD 100 Introduction to Radiologic Technology
RAD 110 Radiation Physics
RAD 113 Radiation Biology

SECOND SEMESTER
RAD 115 Principles of Radiographic Exposure
RAD 130 Radiographic Procedures I
RAD 213 Radiation Protection

THIRD SEMESTER
RAD 175 Radiographic Procedures II
RAD 180 Clinical Experience I

FOURTH SEMESTER
RAD 201 Clinical Issues in Radiography I
RAD 205 Clinical Experience II
RAD 211 Sectional Anatomy
RAD 217 Advancements in Imaging

FIFTH SEMESTER
RAD 221 Clinical Issues in Radiography II
RAD 250 Clinical Experience III
AGREEMENT OF COOPERATIVE SERVICES FOR A RADIOGRAPHY PROGRAM

BETWEEN

MID MICHIGAN COMMUNITY COLLEGE

AND

LAKE SUPERIOR STATE UNIVERSITY

This agreement, made this 23rd day of March 2015, between Mid Michigan Community College, Harrison, Michigan (hereafter referred to as MMCC), and LAKE SUPERIOR STATE UNIVERSITY OF Sault Ste. Marie, Michigan (hereafter referred to as LSSU).

Whereas, both colleges desire to make available a Radiography Program to their students and;

Whereas, both colleges desire to provide educational service to their students in the most economical way, and;

Whereas, both colleges recognize the community and professional need for radiography personnel, and;

Whereas, MMCC does provide a Radiography Program;

Now, therefore, for and in consideration of the premises and the mutual covenants and agreements herein contained, the parties hereto agree as follows:

1. LAKE SUPERIOR STATE UNIVERSITY:
   a. Provide academic courses for these students at LSSU as agreed in Addendum A.
   b. Provide academic advising for students who have identified interest in Medical Imaging.
c. Refer qualified candidates who have met the prerequisite requirements or the LSSU equivalent to MMCC for program entry (See Addendum A).

2. MICHIGAN COMMUNITY COLLEGE:

a. Maintain a Radiography Program accredited by the Joint Review Committee on Education in Radiologic Technology.
b. Provide overall supervision by the program director.
c. Accept the college application of the LSSU students involved in this agreement, without application fees.
d. Accept all satisfactorily earned credits taken both at LSSU and MMCC. Students must earn a C or better in all classes to be accepted with the exception of Anatomy and Physiology courses, in which the required standard is B- or higher.
e. Provide specific Radiography Curriculum (Including clinical practicum courses and Concepts in Microbiology) for LSSU students for a total of 46.5 credit hours as specified in Addendum B.
f. Reserve sufficient number of sections in the Radiography courses and labs for LSSU students to provide a schedule conducive for commuting purposes. Articulated students will be placed in the first lab of the day, when possible, dependent on number of articulated students.
g. Clinical assignments for LSSU students will be allotted at War Memorial Hospital, when possible. The number of clinical students assigned is influenced by the medical facility and the Joint Review Committee on Education in Radiologic Technology guidelines.
h. LSSU students will take Radiography and other required curriculum courses at MMCC at MMCC's out-of-district rates.
i. Grant the Associate in Applied Science Degree to all LSSU students who complete the requirements for the degree.

3. LAKE SUPERIOR STATE UNIVERSITY AND MICHIGAN COMMUNITY COLLEGE:

The Financial Aid Departments will mutually explore and formulate methods to provide those qualified students full financial aid in the event a split course schedule becomes necessary.

4. STUDENT ELIGIBILITY

Students need to take at least 15 credit hours at LSSU in order to qualify for this articulation agreement.

5. TERMINATION
a. This agreement may be terminated at any time by either party by notice given to the other party in writing at least one year prior to the effective date of such termination; provided, however, that LSSU students enrolled at MMCC at the time of the notice be allowed to finish the entire program at MMCC even if the students have more than one year (but not to exceed two years) left in the program.

b. This agreement will be reviewed and revised as necessary but shall remain in effect until termination as specified by the Termination clause of this agreement.

c. This agreement is binding on all successors and assigns of MMCC and LSSU.

IN WITNESS WHEREOF, MMCC AND LSSU have executed this agreement as of 29th day of March, 2015.

MID MICHIGAN COMMUNITY COLLEGE
By: Christine Hammond
President Christine Hammond

LAKE SUPERIOR STATE UNIVERSITY
By: Thomas Pleger
President Thomas Pleger