Medical Laboratory Technician Program
Goals and Outcomes

Program Mission
The Medical Laboratory Technician Program at Lake Superior College provides quality education and technical expertise utilizing the most recent advances and technology available. The program is designed to prepare students in entry-level occupational skills, to promote technical competency while enhancing personal development, to increase economic opportunity, and to contribute services to local, regional, and global communities. Students are educated in accordance with guidelines established by the national certification agencies for Medical Laboratory Technicians. Upon completing program requirements, graduates function as entry-level Medical Laboratory Technicians as outlined by the professional role delineation.

Program Accreditation
The Medical Laboratory Technician program is NAACLS accredited. NAACLS is located at 5600 N River Road, Suite 720, Rosemont, IL 60018, www.naacls.org

Program Outcomes and Competencies
Throughout the MLT program, the students acquire various skills that prepare them for entry-level positions. The graduates of the Lake Superior College Medical Laboratory Technician program will:

1. Comply with laboratory safety and compliance procedures and policies.
2. Demonstrate knowledge of principles, operations, and maintenance of laboratory equipment and instruments.
3. Demonstrate organized work skills resulting in efficient time and material management and utilization.
4. Employ quality assurance techniques to monitor procedures, equipment, and competency.
5. Correlate laboratory findings to common disease processes.
6. Demonstrate standard specimen collection and processing practices employed in medical laboratory professions.
7. Model professional behaviors, ethics, and appearance.
8. Identify pre-analytical, analytical, and post-analytical variables that affect test accuracy and take appropriate actions.
9. Perform mathematical functions as required by laboratory procedures.
10. Perform information processing functions in the clinical laboratory.
11. Communicate verbally and in written format with colleagues and patients in a professional manner.
12. Perform a variety of diagnostic and screening test procedures according to standard operating procedures.
13. Relate basic discipline principles (hematologic, chemical, immunologic, etc.) to laboratory test procedures and test results.
Medical Laboratory Technician Program
Goals and Outcomes

Job Placement

Placement numbers are calculated based on student supplied information collected by the MLT program and Lake Superior College within 6 months to one year after graduation. This information only includes students who responded to inquiries or surveys and who reported as having taken a job as an MLT. Students who chose employment outside the field are counted as not employed “in field”. NAACLS supplied formulas are used for this determination.

<table>
<thead>
<tr>
<th></th>
<th>2019 (in field)</th>
<th>2018 (in field)</th>
<th>2017 (in field)</th>
<th>2016 (in field)</th>
<th>2015 (in field)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of graduates</td>
<td>6</td>
<td>7</td>
<td>10</td>
<td>10</td>
<td>7</td>
</tr>
</tbody>
</table>

Board of Registry Pass Rate Within 1 year of Graduation

<table>
<thead>
<tr>
<th></th>
<th>Percent of LSC students passing exam within 1 year of graduation</th>
<th>Number of examinees who sat for exam within 1 year of graduation</th>
<th>Number of graduates</th>
</tr>
</thead>
<tbody>
<tr>
<td>2018</td>
<td>86%</td>
<td>7</td>
<td>7</td>
</tr>
<tr>
<td>2017</td>
<td>100%</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>2016</td>
<td>100%</td>
<td>9</td>
<td>10*</td>
</tr>
<tr>
<td>2015</td>
<td>100%</td>
<td>6</td>
<td>7*</td>
</tr>
</tbody>
</table>

*NAACLS formula for calculations are used. As such, students who did not take the exam within one year after graduation, to the day, are not considered in the calculations. Graduation is in May so the exam must be taken by the graduation date in May the following year to be included in this data. For 2015 data, students taking the exam after May 18, 2015 and for 2016 data, students taking the exam after May 16, 2016 are not calculated in the data per NAACLS formula. However, Lake Superior College may count students per calendar year who took the exam without regard to graduation date. Some students take the exam more than one year after graduation. Note: Most, employers will require that new employees who have not taken the board exam at hire, subsequently pass the Board of Registry exam within 1 year of hire.

Graduation/Attrition Rate

Calculated based on NACCLS report guidelines for reporting three-year rolling average. Three-year rolling averages are based on students beginning the final half of the program and following through to graduation. LSC may track student attrition differently by calendar year.

| Graduation 2017-2019 | 100% | Attrition | 0% |

Updated October 2019