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.

Updated October 2020
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### Job Placement

<table>
<thead>
<tr>
<th>Three-year period</th>
<th>3-year rolling average</th>
<th>In field or not in field</th>
<th>Number of students</th>
</tr>
</thead>
<tbody>
<tr>
<td>2017-2019</td>
<td>100%</td>
<td>All in field</td>
<td>23</td>
</tr>
</tbody>
</table>

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.

### ASCP Board of Certification Pass Rate

<table>
<thead>
<tr>
<th>Three-year period</th>
<th>3-year rolling average</th>
<th>Number of graduates</th>
</tr>
</thead>
<tbody>
<tr>
<td>2017-2019</td>
<td>96%</td>
<td>23</td>
</tr>
</tbody>
</table>

Annual summary data provided by the American Society for Clinical Pathology (ASCP)

*NAACLS formula for calculations are used. As such, students who did not take the BOC exam within one year after graduation are not considered in the calculations. However, Lake Superior College counts students per calendar year who took the exam without regard to graduation date. Note: Most, employers require that new employees who have not taken the board exam at hire, subsequently pass the Board of Certification exam within 1 year of the date of hire.*

### Graduation/Attrition Rate

<table>
<thead>
<tr>
<th>3-year rolling average</th>
</tr>
</thead>
<tbody>
<tr>
<td>Three-year period</td>
</tr>
<tr>
<td>Graduation</td>
</tr>
<tr>
<td>Attrition</td>
</tr>
</tbody>
</table>

Graduation 2018-2020 100% 0%

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.