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 May 2023
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**OUTCOME MEASURES**

#### ASCP Board of Certification Pass Rates

<table>
<thead>
<tr>
<th>Graduation Year</th>
<th>2019</th>
<th>2020</th>
<th>2021</th>
<th>2022</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exam taken before:</td>
<td>May 2020</td>
<td>May 2021</td>
<td>May 2022</td>
<td>May 2023</td>
</tr>
<tr>
<td>BOC Pass Rate</td>
<td>100%</td>
<td>100%</td>
<td>100%</td>
<td>100%</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 and pass the BOC exam within one year after graduation (May to May count) are not considered in the calculations. This number also does not include students who passed the exam on the second attempt. However, Lake Superior College counts the number of students per calendar year who took the exam without regard to graduation date. LSC numbers may vary as it will include students who took and passed the board exam more than one year after graduation, within Jan-Dec of each year. Note: Most, employers require that new employees who have not taken the board exam at hire, subsequently pass the Board of Certification exam within 6 months to 1 year after the date of hire.

#### Graduation Rates

<table>
<thead>
<tr>
<th>Graduation Year</th>
<th>2019</th>
<th>2020</th>
<th>2021</th>
<th>2022</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graduation Rate</td>
<td>100%</td>
<td>100%</td>
<td>100%</td>
<td>100%</td>
</tr>
</tbody>
</table>

Calculated based on NACCLS reporting guidelines. Percentage of students graduating from the program are based on students beginning the final half of the program and following through to graduation. LSC may track student attrition differently.

#### Placement Rates

<table>
<thead>
<tr>
<th>Graduation Year</th>
<th>2019</th>
<th>2020</th>
<th>2021</th>
<th>2022</th>
</tr>
</thead>
<tbody>
<tr>
<td>Placement Rate</td>
<td>100%</td>
<td>80%*</td>
<td>100%</td>
<td>100%</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 or in a related field. Students who chose employment outside the field are counted as not employed “in field”. NAACLS supplied formulas are used for this determination. *After 1 year all students from 2020 were employed as an MLT.

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