The Medical Laboratory Technology curriculum prepares individuals to perform clinical laboratory procedures in chemistry, hematology, microbiology, and immunohematology that may be used in the maintenance of health and diagnosis/treatment of disease.

Course work emphasizes mathematical and scientific concepts related to specimen collection, laboratory testing and procedures, quality assurance and reporting/recording and interpreting findings involving tissues, blood, and body fluids.

Graduates may be eligible to take examinations given by the Board of Registry of Medical Technologists of the American Society of Clinical Pathologists or the Certifying Agency. Employment opportunities include laboratories in hospitals, medical offices, industry, and research facilities.

**Occupational Information**

Visit the link below to find out more about occupations in this field including skills, education, potential wages and more.

**Medical and Clinical Laboratory Technicians**

CIP Code: 51.1004  SOC Code: 29-2012.00
http://www.onetonline.org/link/summary/29-2012.00

The Medical Laboratory Technology program is one that typically have more applicants than available space. For these programs, applicants must meet additional requirements, including sufficient math and science courses, certifications, physical (medical) exams, etc. Applicants to these programs have to remove any academic deficiencies before consideration. Competitive enrollment programs may have different application deadlines and requirements. General admission information can be found in the Mitchell Community College catalog and website, www.mitchellcc.edu.

**Courses**

<table>
<thead>
<tr>
<th>Medical Laboratory Technology A.A.S. Degree (A45420)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>General Education Required Courses</strong></td>
</tr>
<tr>
<td>BIO 111* General Biology I .......................................................... 4</td>
</tr>
<tr>
<td>ENG 111* Writing and Inquiry ....................................................... 3</td>
</tr>
<tr>
<td>ENG 114* Professional Research and Reporting .......... 3</td>
</tr>
<tr>
<td>PSY 150* General Psychology ...................................................... 3</td>
</tr>
<tr>
<td>* Humanities/Fine Arts Elective ................................................. 3</td>
</tr>
<tr>
<td><strong>Total General Education Required Hours</strong> ............ 16</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Major Required Courses</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>PBT 100* Phlebotomy Technology OR .......................... 6</td>
</tr>
<tr>
<td>MLT 110 Introduction to MLT ........................................... (3)</td>
</tr>
<tr>
<td>MLT 111 Urinalysis and Body Fluids ....................... 2</td>
</tr>
<tr>
<td>BIO 163* Basic Anatomy and Physiology OR ................ 5</td>
</tr>
<tr>
<td>BIO 168* Anatomy and Physiology I AND ..................... (4)</td>
</tr>
<tr>
<td>BIO 169* Anatomy and Physiology II OR ..................... (4)</td>
</tr>
<tr>
<td>MLT 116 Anatomy and Medical Terminology ................ (5)</td>
</tr>
<tr>
<td>MLT 118 Medical Laboratory Chemistry .................... 3</td>
</tr>
</tbody>
</table>

**Competitive Enrollment**

The Medical Laboratory Technology program is one that typically have more applicants than available space. For these programs, applicants must meet additional requirements, including sufficient math and science courses, certifications, physical (medical) exams, etc. Applicants to these programs have to remove any academic deficiencies before consideration. Competitive enrollment programs may have different application deadlines and requirements. General admission information can be found in the Mitchell Community College catalog and website, www.mitchellcc.edu.

**Collaborative Program**

Medical Laboratory Technology is an Associate Degree program offered in conjunction with Southwestern Community College who awards the degree. Students may take courses marked with an asterisk (*) at Mitchell Community College. All MLT technical courses are offered online through Southwestern Community College.

**This collaboration is geared towards certified practicing phlebotomists.**
Medical Laboratory Technician
A.A.S. Degree (A45420)

MLT 120  Hematology/Hemostasis I ................................................................. 4
MLT 125  Immunohematology I ................................................................. 5
MLT 130  Clinical Chemistry I ................................................................. 4
BIO 275  Microbiology OR ................................................................. 4
MLT 140  Introduction to Microbiology ............................................... (3)
MLT 215  Professional Issues ................................................................. 1
MLT 220  Hematology/Hemostasis II ...................................................... 3
MLT 240  Special Clinical Microbiology ............................................... 3
PBT 101*  Phlebotomy Practicum OR .................................................... 3
MLT 253  MLT Practicum I ................................................................. 3
MLT 263  MLT Practicum II ................................................................. 3
MLT 271  MLT Practicum III ................................................................. 1
MLT 272  MLT Practicum III ................................................................. 2
MLT 273  MLT Practicum III ................................................................. 3
MLT 274  MLT Practicum III ................................................................. 4
Total Major Required Hours ............................................................. 52-59
Total Credit Hours Required for A.A.S. Degree .................................... 68-75

Other Programs
If you are interested in a career in healthcare, Mitchell also offers:

- Associate Degree Nursing A.D.N. Degree (A45110)
- Dietetic Technician (Collaborative Program) A.A.S. Degree (A45310)
- Health Information Technology (Collaborative Program) A.A.S. Degree (A45360)
- Medical Laboratory Technology (Collaborative Program) A.A.S. Degree (A45420)
- Nursing Assistant Certificate (C45380)
- Speech-Language Pathology Assistant (Collaborative Program) A.A.S. Degree (A45730)

Mitchell also offers the following classes through Continuing Education:

- CNA I Refresher
- CPR
- Eldercare Seminars
- Pharmacy Technician
- Activity Director
- Medical Terminology
- Basic Coding and Billing
- Advanced Basic Coding and Billing
- Coding and Billing
- Medical Code Auditing
- Medical Office Administrative Staff Training

Accreditation
The Medical Laboratory Technology (MLT) program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS). The contact information is as follows:

NAACLS, 5600 N. River Road, Suite 720, Rosemont, IL 60018-5119, (847) 939-3597.

NOTE: General admission information is available in the Southwestern Community College catalog and on the college’s website, www.southwesterncc.edu. Program details and contacts are posted at http://www.southwesterncc.edu/program/medical-laboratory-technology-online.