The Elements of a Successful Career Path

Clinical laboratory technicians are important members of the medical team, working hard and serving as a vital part of the elaborate framework known as the modern medical hospital or clinic. Technicians concentrate on laboratory techniques that assist in the diagnosis, treatment and prevention of diseases and the maintenance of health. Most technicians work within hospitals, medical and diagnostic labs and physician offices. The medical or clinical laboratory technician performs qualitative, quantitative and analytic testing in microbiology, hematology, blood banking, clinical chemistry, serology and immunology, and routine urinalysis.

If you enjoy the science of clinical lab testing, can work well both on a team and on your own, appreciate the process of testing, can stand for long periods and sometimes lift patients for testing, then the Clinical Laboratory Technology program will have all the elements of a successful career path made just for you.

ABOUT THE PROGRAM

The Associate in Applied Science degree in Clinical Laboratory Technology is a 72-credit-hour program that prepares students for entry-level positions as clinical laboratory technicians in a variety of medical and clinical laboratory settings. The Clinical Laboratory Technology program features a two-year curriculum resulting in an Associate of Applied Science degree for the student. In addition to the classroom setting, students gain practical experience in the second year of the program in hospital and clinical laboratories where they may perform typing and cross-matching of blood, antibody identification, various chemical analyses, and standard techniques in microbiology, coagulation, quality control and many other routine diagnostic procedures.

This program prepares the student for certification and employment. Graduates are eligible to take a National Certifying Board Examination. This program is fully accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS), 5600 N. River Road, Suite 720, Rosemont, IL 60018, Phone: 773-714-8880; FAX: 773-714-8886; e-mail: naaclsinfo@naacls.org; website: www.naacls.org.

Students wanting to pursue a bachelor’s degree should check the requirements of the school where they plan to transfer. Acceptance of credits is at the discretion of the receiving institution.

OPPORTUNITIES IN THIS FIELD

Graduates of this program are qualified for entry-level positions as clinical/medical laboratory technicians. Employment opportunities are widely available in hospitals, clinics, doctors’ offices, independent laboratories, public health, research and industrial laboratories with over 60% of technicians working within a hospital setting.

According to the United States Department of Labor, Bureau of Labor Statistics, employment of clinical laboratory technicians is expected to grow by 15% between 2010 and 2020, faster than average for all occupations as the volume of laboratory tests continues to increase with both population growth and the development of new types of tests.

SALARY INFORMATION

Individual salaries vary by geographic location, the technician’s education and experience, and the type and size of the employer. The median annual wage of medical and clinical laboratory technicians was estimated to be $36,280 in May 2010. Many positions include benefits such as insurance and educational tuition reimbursement.

FEES

Please visit www.stlcc.edu/fees for the most current information. Additional fees apply to some courses. Fees are subject to change.

CONTACT INFORMATION

Angela Njoku, Clinical Laboratory Department
anjoku@stlcc.edu
314-644-9900 or 314-644-9323 (lab)

YOU CAN EARN THIS DEGREE AT: Forest Park

You may take general education classes toward this degree at any of our campuses or education centers.

St. Louis Community College
EXPANDING MINDS • CHANGING LIVES
# Associate in Applied Science Degree

## Prerequisites

To gain access to this program, students must meet certain prerequisites, including the successful completion of:

- MTH:030 Elementary Algebra or one year of high school algebra with a “C” grade or better within 5 years prior to admission.
- BIO:111 Introduction to Biology I or one year of high school biology with lab; and one year of high school chemistry with lab with a “C” grade or better within 5 years prior to admission.
- Students should possess a cumulative GPA of 2.5 from college or high school, or eligibility semester including math, science and one other course.

## CURRICULUM

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Description</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG:101</td>
<td>College Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENG:102</td>
<td>College Composition II (or)</td>
<td>3</td>
</tr>
<tr>
<td>ENG:xxx</td>
<td>English Elective</td>
<td>3</td>
</tr>
<tr>
<td>BIO:102</td>
<td>Clinical Physiology</td>
<td>3</td>
</tr>
<tr>
<td>CHM:101</td>
<td>Fundamentals of Chemistry I</td>
<td>5</td>
</tr>
<tr>
<td>CHM:212</td>
<td>Bio-Organic and Analytic Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>MTH:124</td>
<td>Technical Mathematics I</td>
<td>3</td>
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<tr>
<td>XXX:xxx</td>
<td>Missouri State Requirement</td>
<td>3</td>
</tr>
<tr>
<td>SOC:101</td>
<td>Introduction to Sociology (or)</td>
<td>3</td>
</tr>
<tr>
<td>XXX:xxx</td>
<td>Psychology or Sociology Elective</td>
<td>3</td>
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</tbody>
</table>

**Total General Education Credit Hours**: 27

### Physical Education Activity

- **2**

### Area of Concentration

#### First Semester

- CLT:100 Orientation to the Medical Laboratory: 1
- CLT:101 Medical Microbiology: 3
- CLT:102 Routine Analysis: 2

#### Second Semester

- CLT:210 Immunology and Serology: 2
- CLT:103 Hematology: 3
- CLT:104 Pathogenic Bacteriology I: 4

#### Summer Semester

- CLT:105 Basic Medical Laboratory Skills: 4

#### Third Semester

- CLT:200 Pathogenic Bacteriology II: 4
- CLT:201 Clinical Chemistry I: 5
- CLT:202 Clinical Practice I: 4
- CLT:204 Blood Bank: 2

#### Fourth Semester

- CLT:205 Pathology-Correlation Conference: 1
- CLT:206 Clinical Chemistry II: 4
- CLT:207 Clinical Practice II: 4

**Total Area of Concentration Credit Hours**: 43

**Total Credit Hours for Program**: 72

For more information on how to get started on your career go to www.stlcc.edu/getstarted.