### **ASSOCIATE DEGREE\***

# MEDICAL LABORATORY TECHNOLOGY

### Putting your career to the test.

Medical laboratory technicians perform laboratory procedures and report outcomes that assist physicians with diagnosis and treatment. They may work directly with patients, but most work in a laboratory environment, with little or no patient contact.

The Carrington College® Medical Laboratory
Technology program consists of more than 500 hours
of lab instruction, so there is ample opportunity
to put what's learned in the classroom to practical
use. Instruction includes; learning to examine and
analyze body fluids and cells, match blood types
for transfusions, conduct lab tests that help in the
detection, diagnosis and treatment of disease and test
for drug levels. The program culminates in an Associate
of Science Degree.

According to the U.S. Bureau of Labor Statistics, employment of clinical laboratory workers is expected to grow 22% from 2012-2022.



### **Duties May Include:**

- Examination and analysis of body fluids and cells
- Analysis of the chemical content of fluids
- Matching blood for transfusions
- Testing for drug levels in the blood that show how a patient is responding to treatments

### **Possible Employment Opportunities:**

- Hospitals
- Independent laboratories
- Medical diagnostic laboratories

## For comprehensive consumer information visit carrington.edu/cc/mlt

- \* Program availability varies by location. Carrington College reserves the right to update information as it becomes available. Information is current at the time of printing. For the most updated information, visit carrington, edu.
- <sup>†</sup> Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook (2014-15 Ed.)



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### **ASSOCIATE DEGREE - MEDICAL LABORATORY TECHNOLOGY**

### **Student Learning Outcomes**

Upon completion of the Medical Laboratory Technology program, graduates will be able to:

- Demonstrate the skills and knowledge to conduct laboratory tests that aid in the detection, diagnosis and treatment of disease.
- Demonstrate proficiency in critical thinking and information management.

### **Admission Requirements**

In addition to meeting the College's standard admission requirements, candidates must:

 Pass the Wonderlic General Assessment of Instructional Needs (GAIN) test with a minimum score of 4 on both the English and Math components.

#### PROGRAM REQUIREMENTS - Phoenix Westside

The recommended course sequence is listed below.

Medical Laboratory Technology Courses		Lecture Hours	Lab Hours	Clinical Hours	Semester Credit Hours
MLE 110	Basic Laboratory Technician	15	30	0	2
MLE 114	Phlebotomy Technician and CPR	15	45	0	2.5
MAT 113	College Mathematics*	45	0	0	3
BIO 121	Human Anatomy and Physiology I with Lab*	45	30	0	4
SOC 113	Introduction to Sociology*	45	0	0	3
ENG 113	English Composition I*	45	0	0	3
MLE 150	Laboratory Math*	25	0	0	1.5
COM 131	Introduction to Communication*	45	0	0	3
PSY 113	General Psychology*	45	0	0	3
MLE 154	Cell Biology/Genetics	25	0	0	1.5
MLE 252	Parasitology	100	50	0	8
MLE 160.1	Basic Chemistry	45	15	0	3
MLE 254	Introduction to Virology	50	0	0	3
MLE 156	Inorganic Biochemistry/Instrumentation	30	20	0	2.5
MLE 202	Serology	20	30	0	2
4LE 158	Urinalysis	20	30	0	2
MLE 257	Microbiology I	55	45	0	5
MLE 204	Hematology	100	50	0	8
MLE 162.1	Clinical Chemistry	80	70	0	6
MLE 214	Immunology	75	0	0	5
MLE 258.1	Microbiology II	55	45	0	4
4LE 216	Immunohematology	65	60	0	6
1LE 312.1	Clinical Experience and Exam Review	60	0	325	9
Total for Degree		1105	520	325	90

<sup>\*</sup>General education course

Approximate time to complete degree program: 90 weeks