

# Associate in Applied Science

Toward a Degree in

## Medical Laboratory Technology

Career Curriculum MLT 0093  
Minimum Hours: 65  
Major Code: 1.2 511004  
Effective Date: Spring 2011

### FIRST YEAR – SUMMER SEMESTER

Dept.	No.		Hrs.	Grade
BIO	205	Human Anatomy and Physiology I	<u>4</u>	_____
			4	

### FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
BIO	206	Human Anatomy and Physiology II	4	_____
CHM	141	General, Organic, and Biochemistry I <sup>1</sup>	4	_____
Any IAI Math		OR MAT 108 College Algebra	3-4	_____
MLT	120	Introduction to Clinical Lab	<u>3</u>	_____
			14-15	

### FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
BIO	226	General Microbiology	4	_____
CHM	142	General, Organic, and Biochemistry II	4	_____
MLT	121	Serology	1.5	_____
MLT	122	Clinical Microscopy	1.5	_____
MLT	123	Phlebotomy	<u>3</u>	_____
			13	

### SECOND YEAR – SUMMER SEMESTER

Dept.	No.		Hrs.	Grade
ENG	101	English Composition I <sup>2</sup>	3	_____
COM	115	Speech	<u>3</u>	_____
			6	

### SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
MLT	223	Immunohematology (1st 10 1/2 weeks)	4	_____
MLT	228	Hematology and Hemostasis (1st 10 1/2 weeks)	5	_____
MLT	251	Clinical Rotation I (Last 6 1/2 weeks)	<u>3</u>	_____
			12	

### SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
MLT	225	Clinical Chemistry (1st 10 1/2 weeks)	4	_____
MLT	229	Applied Clinical Microbiology (1st 10 1/2 weeks)	5	_____
MLT	252	Clinical Rotation II (Last 6 1/2 weeks)	3	_____
PSY	132	General Psychology	<u>3</u>	_____
			15	

### NOTES AND INFORMATION

\*Retention in the MLT program requires that the MLT students earn a grade of "C" or better in all MLT and natural science courses (chemistry, microbiology, anatomy and physiology). The student must achieve a "C" average in the MLT curriculum in order to graduate. If a student fails an MLT or a required natural science course, the course must be repeated with a passing grade ("A", "B", or "C"). MLT courses are only offered once a year, so the student will have to wait to take courses until the prerequisite course has been completed with a passing grade. All courses must be taken in sequence as specified by course prerequisites unless permission is granted by the program director. "C" average = 2.0 on a 4- pt. scale; 3.0 on a 5-pt. scale.

Biology 205 should be taken prior to beginning the program.

<sup>1</sup> Students must have consent of instructor if they take MAT 108 concurrently.

<sup>2</sup> Requires a grade of "C" or higher.

**Career Opportunities:** Medical laboratory technician.

**Major Employers:** Clinical laboratories of hospitals, clinics, physician's offices, and other health care facilities performing laboratory procedures and diagnostic tests

MLT Program admission is non-discriminatory, but certain personal and physical attributes are key to success in the profession. These may include the following: good general physical health, good vision (may be corrected), good color vision, and good manual dexterity.

The MLT Program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences, 5600 N. River Rd., Suite 720, Rosemont, IL 60018-5119, telephone: (773) 714-8880. Students who have completed the program requirements are eligible to take the national certification examination offered by the Board of Certification of the American Society of Clinical Pathologists (ASCP). The certified graduate may then use the title "MLT (ASCP)."

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.