



700 Logan College Road  
Carterville, Illinois 62918

## **MEDICAL LABORATORY TECHNOLOGY PROGRAM**

**This packet contains information for the program beginning August 2009 full-time.**

Dear Prospective Student:

Thank you for your interest in the Medical Laboratory Technology (MLT) Program at John A. Logan College (JALC) offered through the Southern Illinois Collegiate Common Market (SICCM). The College has an open admission policy; however, there are some programs which have additional entrance requirements. Attached you will find an information packet about the MLT program at JALC, an application for the MLT program and an application for the pre-entrance examination. **You must contact the Admissions Office to obtain information about general admission to John A. Logan College.**

The **applicant must:**

1. achieve competitive level score on the pre-entrance examination: **PSB – Health Occupations Aptitude Examination,**
2. submit all required documents listed in this packet under **Admission Requirements** to the **Assessment Office** by **March 1, 2009** and
3. complete all necessary general entrance requirements for the College, as determined by the Admissions Office.

The career that you are considering is truly exciting! The Medical Laboratory Technician possesses the technical skills necessary to perform routine testing in the areas of hematology, serology, coagulation, clinical microbiology, clinical chemistry, blood banking, and urinalysis in clinical laboratories of hospitals, clinics, and physician and/or medical technologist. The technician performs venipuncture to obtain blood specimens and is an integral part of the health care team providing information used in diagnosis and treatment.

Further information concerning the MLT pre-entrance examination and MLT application procedures is attached. Thank you for your interest in the MLT program at JALC through SICCM and best wishes in your educational endeavors.

Best Regards,

Tom Cardwell  
Director of Assessment

Valerie Barko  
Associate Dean for Health & Public Service

**DIRECT EXTENSION ACCESS: (618) 985-2828 or 457-7676**  
**OPERATOR: (618) 985-3741, 549-7335, 542-8612, 937-3438, TTY: 985-2752**  
**WEB SITE: <http://www.jalc.edu>**

## **PROFESSION**

The Medical Laboratory Technologist (MLT) is employed in clinical laboratories of hospitals, clinics, physician offices and health care facilities performing various laboratory procedures and diagnostic testing. Laboratory testing is performed on body fluids such as blood, urine, spinal fluid, semen, synovial fluid, pleural fluid, amniotic fluid, etc.

The MLT works as a bench technician under the direct supervision of a physician and or Medical Technologist in the areas of blood banking, clinical chemistry, hematology, microbiology, urinalysis, coagulation and serology. The MLT is an integral part of the health care team focused on providing optimum patient care. The technician monitors quality control, performs maintenance on equipment and instruments, applies basic scientific principles to laboratory techniques and procedures, recognizes factors that affect procedures and results taking corrective action when indicated, relates laboratory findings to common disease processes, interacts with other health care personnel and patients, and collects blood specimens by venipuncture techniques.

The median salary for certified Medical Laboratory Technologists is approximately \$15 per hour. Shift differentials will add more per hour and the hourly wage will vary slightly at each health care institution.

## **PROGRAM**

The Medical Laboratory Technology (two year) Associate Degree in Applied Science Program is offered through the Southern Illinois Collegiate Common Market (SICCM) and is offered cooperatively with John A. Logan College, Kaskaskia College, Rend Lake College, Shawnee Community College and Southeastern Illinois College.

General education courses are taken at the student's home campus, but all MLT courses are taught in the SICCM/MLT laboratory classroom in the SICCM facility in Herrin, Illinois. This may require students to travel an hour or more to classes. Students will need to have transportation to accomplish travel requirements in the MLT Program. Travel time will need to be considered as well between home and the student's campus.

Currently, MLT courses are taught during the day (up to 6 pm), but depending on part-time faculty availability, some MLT courses may be offered in the evening as well. MLT courses in the second year are taught in the first 11 weeks of the semester followed by two 16 day sub-rotations at clinical sites in hospitals. Classes are block-scheduled when possible in order to reduce the amount of travel time for students.

Clinical rotations may require considerable driving in the second year. Students should expect to potentially drive an hour or more to and from clinical sites. Students will use a lottery drawing system for selections of their choice of clinical sites. Driving time hinges on clinical site availability at a given point in the semester.

If the number of students requiring clinical rotations exceeds the number of slots available at the clinical affiliates, students may be required to complete clinical rotation during the break following the scheduled semester or as soon as a clinical affiliate is available for training. A listing of laboratories will be given to the admitted student in the future admission packet.

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, 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.

### **PROGRAM OBJECTIVES**

Upon completion of this MLT program, the graduate must be able to demonstrate entry-level competencies for Medical Laboratory Technicians. The graduate should possess the technical skills needed to:

1. Collect, process, and perform analytical tests on biological specimens for analysis.
2. Recognize factors that affect procedures and results and take appropriate corrective actions were indicated.
3. Monitor quality control within predetermined limits.
4. Demonstrate professional conduct and interpersonal communication skills with patients, the public, lab and other health care professionals while interacting with them in respect to their jobs and patients' care.
5. Apply basic scientific principles to learn new techniques and procedures.
6. Relate lab findings to common disease processes.
7. Recognize and act upon individual needs for continuing education for growth and maintenance of professional competence.

### **ESSENTIAL FUNCTIONS**

According to the National Accrediting Agency for Clinical Laboratory Sciences publications and standards, applicants should read and understand the following statement attesting to their belief that they can meet the essential standards listed below. This should be accomplished before admission to the SICCM/MLT Program.

Program acceptance in no way is based on applicant's limitations. Essential functions represent the essential non-academic requirements of the program that the student must master to successfully participate in the program and become employable.

Certain essential personal and physical attributes are key to success in the SICCM/MLT academic program and the clinical laboratory profession. These attributes include:

#### Visual Observation:

The student must possess visual acuity sufficient to allow each of the following:

1. Differentiation of colors and color changes during the performance of laboratory procedures;
2. Observation of patient conditions during phlebotomy procedures;
3. Differentiation and identification of specimens using microscopic examination;
4. Reading lab instrument technical procedure materials for patient care and professional practice.

#### Motor Function:

The student must possess motor functions sufficient to permit each of the following:

1. Performance of venipuncture at patient's bedside or at other designated locations;
2. Lift and handle typical hand held medical laboratory equipment and tools;
3. Manipulate clinical laboratory instruments and equipment in a manner consistent with standards of medical laboratory practice.

#### Communication Skills:

The student shall possess verbal and non-verbal skills, adequate for transmitting to and receiving information from patients and hospital personnel.

#### Behavioral and Social Skills:

The student must exhibit behavioral and social skills that are acceptable to the college and hospital settings.

### **ADMISSION REQUIREMENTS**

The following procedures shall be followed by all prospective applicants seeking admission to JALC and SICCM MLT program. Failure to comply with the deadline dates designated by JALC and SICCM will automatically terminate the application for the program. It is the **responsibility of the applicant** to submit a written request to the Assessment Office, within one year of initial exam date, in order to transfer test scores for future consideration.

The JALC and SICCM MLT admission process does not discriminate on the basis of race, creed, color, national origin, gender, age, or the presence of a non-job-related condition or disability.

The application procedures for the MLT program are the same for John A. Logan College, Kaskaskia College, Rend Lake College, Southeastern Illinois College and Shawnee Community College.

To be considered for admission in the Fall 2009 full-time program, an applicant must meet these criteria and submit the following credentials to the Assessment Office by March 1, 2009:

1. MLT general education course requirement BIO 205 is listed on the MLT curriculum guide under the first year summer semester prior to the start of the MLT program. Applicants should have BIO 205 completed with a minimum grade of a "C" by the end of the summer semester prior to the Fall semester the applicant plans to start the MLT program.
2. MLT general education course requirement MAT 108 is listed on the MLT curriculum guide under the first year fall semester of the MLT program. Applicants should have prerequisite MAT 062 for MAT 108 completed with a minimum grade of a "C" by the end of the summer semester prior to the Fall semester the applicant plans to start the MLT program.
3. Submit a properly completed application for general admissions and return it to the Admissions Office by **March 1, 2009**, if **not** currently enrolled in courses at JALC.
4. COMPASS **or** ASSET placement exams are required by JALC in reading, writing and math. Contact the Assessment Office at (618) 985-2828 Ext. 8520 to register for a placement exam **or** submit current COMPASS **or** ASSET placement exam scores to the Admissions Office by **March 1, 2009**.

Regardless of the COMPASS **or** ASSET placement or any test score taken for general college admission, and any resultant remedial courses required, all applicants desiring to apply for the MLT program will be allowed to take the MLT pre-entrance exam. However, if an applicant scores low on any general admissions placement test, counselors may advise against continuing the MLT application process.

5. Complete and return the attached MLT program application when you register for the first test to the Assessment Office or by **March 1, 2009**.
6. Complete and return the attached MLT entrance exam application when you register for the first test to the Assessment Office or by **February 13, 2009**.

7. Request **all required transcripts** be sent to the Assessment Office by **March 1, 2009**. A high school transcript **or** proof of GED with passing scores is required of applicants who have no previous college work. If the applicant has completed accepted course work at a college or university, other than JALC, then evaluated college transcripts are required, not high school transcripts. **Official college transcripts must be officially evaluated by JALC Admissions and Records Office and received in the Assessment Office by March 1, 2009.** JALC transcripts will be copied by the Assessment Office.
  
8. Submit proof of in-district residency to the Assessment Office by **March 1, 2009**. The following items may serve as proof: 1) copy of a valid Illinois Drivers License with an in-district address OR 2) copy of a current voter's registration card that indicates JALC District OR 3) copy of a current property tax statement that indicates JALC District OR 4) copy of a valid Illinois State I.D. card with an in-district address. Any applicant who received a GED or does not have a diploma from one of the eleven in-district high schools, must submit proof of current residency. **NOTE: Out-of district applicants will be placed at the bottom of the ranking list after all in-district applicants.** **Acceptance letters will only be sent to in-district addresses for in-district students. Post Office boxes are not accepted as proof of residence. Verification must show an in-district address. New driver's licenses now show both P.O. Box and street address. Each college does give preference to its in-district students (as of the date of application deadline).**
  
9. Achieve competitive level score on the pre-entrance examination for the college. This score is based upon the PSB-Health Occupations Aptitude Examination test results and weighted grades for previous college work taken within, or transferring to, the MLT required curriculum. The exam will take a minimum of 3 hours. Tests will begin promptly at 8:30 a.m. and 1:00 p.m. in Room C205A, unless indicated otherwise. **No one may take the test if they do not have a photo ID the day of the test.** Tests will be held in the Assessment Office in Room C205A. **Seating for each testing date is limited, and applications will be processed on a first come, first served basis.** Therefore, SIGN-UP EARLY! A list of designated dates and application deadlines is listed below. Complete and return the forms to the Assessment Office, Room C205, by the test registration deadline. Applicants must register before the test registration deadline set below for each session. Registration fees must be paid at the time of registration to the **Assessment Office**. Registration fees of \$20.00 may be paid with cash (if in person), cashiers check or money order. **NO PERSONAL CHECKS WILL BE ACCEPTED!!!!** *There are 12 testing times available. A total of 2 tests may be taken per calendar year and only 1 test per month may be taken. The highest score will be used for determination of admission. Changes to exam and fees may occur anytime! Testing will be cross-checked between campuses. Applications will be considered **INVALID** if the applicant has sat for the exam more than two times within an academic year.*

**Medical Laboratory Technology  
Testing Dates**

Wednesday, November 12, 2008, 8:30 a.m. in C205A  
 Wednesday, November 12, 2008, 1:00 p.m. in C205A  
 Thursday, November 13, 2008, 8:30 a.m. in C205A  
 Thursday, November 13, 2008, 1:00 p.m. in C205A  
**Wednesday, December 10, 2008, 8:30 a.m. in C205A**  
**Wednesday, December 10, 2008, 1:00 p.m. in C205A**  
**Thursday, December 11, 2008, 8:30 a.m. in C205A**  
**Thursday, December 11, 2008, 1:00 p.m. in C205A**  
 Wednesday, February 18, 2009, 8:30 a.m. in C205A  
 Wednesday, February 18, 2009, 1:00 p.m. in C205A  
 Thursday, February 19, 2009, 8:30 a.m. in C205A  
 Thursday, February 19, 2009, 1:00 p.m. in C205A

**Medical Laboratory Technology  
Test Registration Deadline**

Friday, November 7, 2008, by 4:00 p.m.  
 Friday, November 7, 2008, by 4:00 p.m.  
 Friday, November 7, 2008, by 4:00 p.m.  
 Friday, November 7, 2008, by 4:00 p.m.  
**Friday, December 5, 2008, by 4:00 p.m.**  
**Friday, December 5, 2008, by 4:00 p.m.**  
**Friday, December 5, 2008, by 4:00 p.m.**  
**Friday, December 5, 2008, by 4:00 p.m.**  
 Friday, February 13, 2009, by 4:00 p.m.  
 Friday, February 13, 2009, by 4:00 p.m.  
 Friday, February 13, 2009, by 4:00 p.m.  
 Friday, February 13, 2009, by 4:00 p.m.

Additional points may be added to the applicants composite exam score on the MLT program pre-entrance examination if college transcripts have been officially evaluated by JALC Admission and Records Office and are received in the Assessment Office by **March 1, 2009**. **NO** points will be given without an official transcript. Any/all of the general education courses must be completed by December 2008 in order for points to be added. Substitutions will not be accepted. A credit of 10 points each will be awarded for **3** previously taken courses of the following: BIO 205, BIO 206, BIO 226, CHM 151 and CHM 152. Each must have been passed with a minimum grade of a "C". Points will also be added for each grade earned on any of the other general education courses: MAT 108, ENG 101, SPE 115 and PSY 132. Points will be awarded as follows: "A" = 3 points, "B" = 2 points, "C" = 1 point. For example, 48 points may be added to an applicants composite entrance exam score if all of the above general education courses are completed by **December 2008** with a grade of an "A" in each class.

Total points achieved will be added to the combined earned raw scores of sections 1 through 4 of the PSB-Health Occupations Aptitude Examination. Rank ordering of students for admission consideration will be made on the basis of total points. Tie breakers will be based upon the highest score achieved on the PSB-Health Occupations Aptitude Examination, Part 1 and Part 3, successively.

The first concern about acceptance into the program should be obtaining a competitive level score on the MLT program pre-entrance examination. This score is based upon the PSB-Health Occupations Aptitude Exam test results. The exam includes sections on academic aptitude, spelling, reading comprehension, information in the natural science and vocational adjustment index. All five sections of the test will be given, with only the cumulative raw score on the first four sections used for admission ranking. The fifth section will be utilized for research purposes.

Additional information about the exam can be accessed by going to [www.psbtests.com](http://www.psbtests.com). Click on "Health Occupations Aptitude Examination" to find out about the nature of the subtest. Click on "Resources for Test Takers" to locate sample questions and test-taking tips.

The Health Occupations Aptitude Exam Study Guide is available for purchase at the bookstore located at John A. Logan College. This study guide is **not** published by the same publisher who created the Health Occupations Aptitude Exam.

To be eligible for Fall 2009 admission, testing must be complete and scores available to the college by March 1, 2009. Determination of the list of accepted students will be made from the applicants who have tested and applied by March 1<sup>st</sup>.

Each college has five admission slots, for a total class size of twenty-five students. Admission lists will be ranked and determined separately at each college, for the five student slots accorded that college and by the applications submitted to that college.

If the program is not full, the college may choose to test and accept applications through April 30<sup>th</sup> for any remaining slots. Unless program slots still remain for Fall 2009 admission, those applicants testing and applying after April 30<sup>th</sup> will be considered for Fall 2010 admission.

The five top-scoring applicants from each college will be admitted to the SICCM MLT program. A list of accepted applicants will be developed by mid-March, 2009. Accepted applicants will be informed of admission into the program by the admitting college in May 2009 and will have ten days from the date mailed, to return the response form enclosed in the acceptance letter. Should an accepted applicant choose not to enter the class, the next applicant in the rank order for that campus will be notified of acceptance. If no response is obtained, the applicant will be dropped from future consideration and the next alternate on the list will be notified of acceptance. Letters of notification of alternate list or denial into the program will be mailed when all positions are filled.

If an applicant is accepted to the program and chooses not to enter the fall class, any future admission must be by re-application. All applicants must make application for each year they

wish to be considered for entrance into the MTL program. PSB-Health Occupations Aptitude Examination test results will be considered valid for two years.

Effective May 2004, no student may be admitted to any individual Southern Illinois Collegiate Common Market program more than *two times* within a *five year period*. After withdrawing from a single program two times, the student will be allowed to enter any other SICCM program *only one time*. "Withdrawing" is defined as declining a previously accepted admission invitation within ten weeks of program start time and/or withdrawing from class attendance before completing the first semester. Each campus may consider exceptions for extreme cases of unanticipated, non-elective health issues of self and family. The rationale for this policy is based on the fact that each time a student takes an admission slot and then either withdraws just before the session starts or within the first semester, the slot goes unused for the remainder of the following three program semesters and others who were interested are unable to attend.

**It is extremely important to abide by the deadline dates outlined in this packet. It is the applicant's responsibility to assure that these documents have been received by the Assessment Office in Room C205.**

Contact any of the people below:

Tom Cardwell  
Director of Assessment  
John A. Logan College  
700 Logan College Road  
Carterville, IL 62918  
(618) 985-3741 Ext. 8496

Susan Phillips  
Assessment Coordinator  
John A. Logan College  
700 Logan College Road  
Carterville, IL 62918  
(618) 985-3741 Ext. 8497

Matt Yusko  
Assessment Coordinator  
John A. Logan College  
700 Logan College Road  
Carterville, IL 62918  
(618) 985-3741 Ext. 8617

### **ACCREDITATION STATUS**

The SICCM MLT Program is accredited by the National Accrediting Agency for Clinical Sciences (NAACLS), located at 8410 Bryn Mawr Ave., Suite 670, Chicago, Illinois 60631-3415; telephone: 773-714-8880. Graduates of the SICCM MLT Program will qualify to sit for the Board of Registry for certification in Medical Laboratory Technology given by the American Society of Clinical Pathologists (ASCP). This computer-delivered examination will be administered by appointment and after application once eligibility has been established. Successful completion of this exam confers the title of Medical Laboratory Technologist, MLT (ASCP).

### **TUITION AND FEES**

Within this highly mobile program, admitted MLT students will be responsible for the following expenses:

1. Examination fee for PSB-Health Occupation Aptitude Examination (\$20.00, prior to admission),
2. Tuition, \$71.00 per credit hour for the 2008/2009 school year,
3. College fees, which include:
  - Malpractice/liability insurance (up to \$15 annually),
  - Program fees (\$150.00 per MLT course),
4. Books,
5. Costs of transportation to centralized laboratory for MLT courses and other clinical sites,
6. Scrubs for clinical rotations and a clean lab coat; white athletic shoes or nurse's shoes,
7. Occasional minor laboratory supplies and equipment,
8. Physical examination,
9. Tests:
  - \*TB skin tests and/or possible chest x-rays,
  - \*Rubella titer, possible Varicella and Pertussis titers,

10. Immunizations:
  - \*Hepatitis B Virus – series of 3,
  - \*possible Rubella, Rubeola, Tetanus,
11. Demonstration of personal health insurance or Medicaid,
12. Application fee for national certification examination (approximately \$185.00),
13. Cost for CPR certification (approximately \$20.00 each year),
14. Cost for criminal background check (approximately \$37.00),
15. Cost for drug screening (\$40).

*Potential MLT students should **not** purchase or schedule anything until after they have been accepted and registered to begin the MLT program.*

**Note:** All costs are estimates and subject to change. The MLT student should have planned for meeting these financial obligations before entering the MLT program.

For additional information, please contact Paula Berry, Director of SICCM MLT program, at (618) 942-6902.

### **FINANCIAL AID**

A variety of financial aid exists at each of the four participating institutions. The applicant should contact the Financial Aid Office at the school to which he/she is applying. Some of the types of financial aid presently offered are:

- Scholarships
- Loans
- Grants

### **BACCALAUREATE OPTION**

Upon completion of an Associate Degree in the Medical Laboratory Technology Program, students will qualify to apply for admission into one of two baccalaureate degree programs at Southern Illinois University Carbondale in the College of Applied Sciences and Arts (CASA). Students may select either a degree in Advanced Technical Studies, a generalized major, or Health Care Management, which emphasizes supervision. Students may qualify for the Capstone Option. For additional information, contact CASA Advisement Support at (618) 453-8840.

### **PROFESSIONAL ADVANCEMENT**

A certified Medical Laboratory Technician who earns a baccalaureate degree and either has two years of experience or attends a National Accrediting Agency for Clinical Laboratory Sciences (NAACLS) 8410 W. Bryn Mawr Ave., Suite 670, Chicago, IL 60631 (773) 714-8880 accredited Medical Technologist Program, can become a Medical Technologist. For additional information contact ASCP Board of Registry, P.O. Box 12277, Chicago, IL 60612-0277.

### **LEGAL LIMITATIONS**

A felony conviction may adversely affect the graduate's ability to sit for certification examinations and/or obtain certification, registration and/or licensure to practice in Illinois and other states. It also influences whether hospitals and other health agencies will accept the student for clinical education experiences required for graduation. Therefore, Southern Illinois Collegiate Common Market requires accepted students to complete a criminal history background check prior to beginning the program. This process will be administered by the student's home college and information will be provided when he or she is informed of acceptance into the program.

As a condition of assignments to clinical educational experiences, admitted students will also be required to submit to a drug screening. The screening will be completed by a party selected by

the Southern Illinois Collegiate Common Market, and paid for by the student. Information about the drug screen will be sent to a newly admitted student by Southern Illinois Collegiate Common Market in an admission packet.

## **CURRICULUM COURSE REQUIREMENTS**

In the MLT curriculum there are nine general education courses and eleven MLT courses. Included in this packet is a list of MLT courses with descriptions. The MLT courses have both lecture and hands-on laboratory components. It is helpful for students to have use of a home computer, although computers and Internet access are available on all college campuses. The MLT classrooms also have computers and Internet access available for students use.

The MLT program is full-time only, with courses offered in specific sequence. All MLT courses in a semester must be taken and passed in order to progress to any MLT coursework of the next semester. Both MLT and general education courses must be passed with a minimum grade of a "C". The program is designed to be completed within two academic years, including one summer session. Supervised Clinical Rotations comprise 240 clock hours in the fall and spring semesters of the second year.

Upon admission to the program students will be required to successfully complete a 7.5 hour job shadowing experience; a physical exam; the first two of a series of three Hepatitis B Virus vaccinations (or sign a declination waiver); a TB skin test (and/or chest x-ray), a Rubella titer (and/or immunization), documented proof of immunity to Rubeola (red measles) and immunity status to Varicella (chicken pox) and Pertussis (whooping cough) and a Tetanus immunization. These must be completed prior to the beginning of class. Students will also be required to have a second TB skin test and/or chest x-ray before the senior year of the program. Current certification in CPR (cardiopulmonary resuscitation) is required each year. It must be completed before or by the end of the second week of class each fall. Health insurance is required by fieldwork sites before students are allowed on-site. Students must provide proof of medical insurance in effect throughout the two year program.

Admission packets describing the drug screening information, job shadowing, physical examination, vaccinations and immunizations will be mailed to successful applicants in early May 2009. These packets will contain the forms and deadlines necessary to complete those requirements prior to the start of class.

## **GENERAL EDUCATION COURSES**

BIO 205 – Anatomy and Physiology I	4 credits
BIO 206 – Anatomy and Physiology II	4 credits
CHM 151 – Chemical Principles <sup>1</sup>	5 credits
MAT 108 – College Algebra <sup>2</sup>	3 credits
CHM 152 – Chemical Principles with Qualitative Analysis	5 credits
BIO 226 – General Microbiology	4 credits
ENG 101 – English Composition I	3 credits
SPE 115 – Speech	3 credits
PSY 132 – General Psychology	3 credits

**<sup>1</sup> Prerequisite for CHM 151 is MAT 108. Students must have consent of instructor if they take MAT 108 concurrently.**

**<sup>2</sup> Prerequisite for MAT 108 is MAT 062 with a minimum grade of a "C".**

**All applicants are strongly encouraged to successfully complete the above MLT general education courses with a minimum grade of a "C" prior to the Fall semester they plan to start the MLT program, so that they can increase their probability of success in the program.**

If any of these courses have been taken at another college/university, **you must receive a transcript evaluation from the JALC Admissions Office before March 1, 2009.**

To request a transcript evaluation, the applicant must:

1. complete an application for admissions to John A. Logan College and indicate that enrollment intention is a JALC degree WITH the General Studies for MLT enrollment code 300101-B **AND**
2. request **official transcripts from ALL** colleges previously attended. Transcripts **must** show when the course was taken and the grade received.

**TOM CARDWELL, SUSAN PHILLIPS AND MATT YUSKO ARE THE ONLY ADVISORS STUDENTS SHOULD SEE FOR ADVISEMENT AND REGISTRATION TO INSURE ALL ENTRY REQUIREMENTS ARE MET FOR THE MEDICAL LABORATORY TECHNOLOGY PROGRAM.**

## **MEDICAL LABORATORY TECHNOLOGY COURSE DESCRIPTIONS**

### **YEAR 1, FALL SEMESTER**

**COURSE TITLE:**        MLT INTRODUCTION TO THE CLINICAL LABORATORY

Semester Hours: 3 credits (2 Lecture, 2 Lab)

Prerequisites: Admission to the Medical Laboratory Technology Program

Acquaints the student with the profession of Medical Laboratory Technology. Includes an overview for the major disciplines in laboratory medicine, basic laboratory mathematics, collection and handling and care of laboratory equipment, preparation of solutions and media, methods of sterilization, and the basic elements of quality control are taught in the course. The student is introduced to the disciplines of hematology, immunohematology, clinical chemistry, urinalysis and microbiology. Acceptance into the MLT Program is required.

### **YEAR 1, SPRING SEMESTER**

**COURSE TITLE:**        MLT PHLEBOTOMY

Semester Hours: 1.5 credits (1 Lecture, 1 Lab) (course meets first 8 weeks of the semester)

Prerequisite: Introduction to the Clinical Laboratory

Covers the phlebotomist's role in health care, confidentiality, and ethics; Patient's Bill of Rights, Quality Assurance, basic anatomy and physiology of the circulatory system, safety, infection control, isolation techniques, OSHA Standards, handling accidental needle stick exposures, phlebotomy equipment, phlebotomy technique such as the routine venipuncture, dermal punctures, drawing difficult patients, specimen collection and handling, compliance, customer service, patient identification procedures, and competency in phlebotomy. In addition, the student will learn the theory of arterial punctures, but will only observe arterial draws in the clinical setting.

**COURSE TITLE:**        MLT SEROLOGY

Semester Hours: 1.5 credits (1 Lecture, 1 Lab) (Course meets last 8 weeks of the semester)

Prerequisites: Introduction to the Clinical Laboratory; MLT Phlebotomy

This course covers an introduction to immunology with emphasis on applied serology. The immune response, properties and synthesis of antibodies, antigens, antibody reactions, and serological procedures most widely performed in the clinical laboratory will be covered in the eight week course.

**COURSE TITLE:**        MLT CLINICAL MICROSCOPY

Semester Hours: 3 credits (2 Lecture, 2 Lab)

Prerequisites: Introduction to the Clinical Laboratory; MLT Phlebotomy

A study of the theory and microscopic examination of urine and other body fluids (such as synovial, thoracentesis, semen, and gastric).

### **YEAR 2, FALL SEMESTER**

**COURSE TITLE:**        MLT IMMUNOHEMATOLOGY

Semester Hours: 4 credits (3 Lecture, 2 Lab) (Course meets first 10 ½ weeks of the semester)

Prerequisites: Introduction to the Clinical Laboratory; MLT Phlebotomy; MLT Serology; MLT Clinical Microscopy

A study of the blood groups of man and their significance in blood banking and transfusion services. Included are the inheritance and properties of blood group antigens and their corresponding antibodies, methods of detection and identification; hemolytic disease process,

and the collection and processing of blood and blood components to ensure safe transfusion, blood group immunology, record keeping, and quality control are stressed.

**COURSE TITLE:** MLT HEMATOLOGY AND HEMOSTASIS

Semester Hours: 5 credits (4 Lecture, 2 Lab) (Course meets first 10 ½ weeks of semester)

Prerequisites: Introduction to the Clinical Laboratory; MLT Phlebotomy; MLT Serology; MLT Clinical Microscopy

This course offers an introduction to the study of clinical hematology and hemostasis, which emphasizes the basic procedures performed in most clinical laboratories as well as their uses in the diagnosis and follow up of hematological and coagulation disorders. The role of the laboratory in the diagnosis of anemias, leukemias, myeloproliferative disorders, and other diseases affecting the hematopoietic system is stressed along with the hemostatic component, coagulation factors, coagulation cascade mechanism, heredity and acquired bleeding disorders, coagulation factor deficiencies, therapeutic regimes, and laboratory methods for the analysis of clinical conditions.

**COURSE TITLE:** MLT CLINICAL ROTATION I

Semester Hours: 3 credits (240 Clinical clock hours) Student must earn a "C" or better in all MLT prerequisite courses prior to taking clinical rotation experience.

Prerequisites: MLT Immunohematology; MLT Hematology; MLT Coagulation (Course meets last 6 weeks of semester)

Supervised clinical experience. Students rotate in hematology/coagulation, and immunohematology during the last 6 weeks of the semester.

**YEAR 2, SPRING SEMESTER**

**COURSE TITLE:** MLT CLINICAL CHEMISTRY

Semester Hours: 4 credits (3 Lecture, 2 Lab) (Course meets first 10 ½ weeks of semester)

Prerequisites: MLT Immunohematology; MLT Hematology; MLT Coagulation; MLT Clinical Rotation I

A study of the diagnostic chemistry tests in the average clinical laboratory. Includes normal physiology, principles and reactions, and interpretation of test results. Includes instrumentation, laboratory mathematics, and quality control.

**COURSE TITLE:** MLT APPLIED CLINICAL MICROBIOLOGY

Semester Hours: 5 credits (4 Lecture, 2 Lab) (Course meets first 10 ½ weeks of semester)

Prerequisites: MLT Immunohematology; MLT Hematology; MLT Coagulation; MLT Clinical Rotation I

This course is a study of normal and pathogenic microflora of man with an emphasis on the methods used for isolation, recognition, and identification of microorganisms of medical significance. Included are the preparation of media used for culturing microorganisms, descriptive cellular and colonial morphology, stain, and staining reactions, drug susceptibility testing, and procedures used for species identification. Emphasis is on host-parasite relationships, medical bacteriology, virology, parasitology, and mycobacteriology.

**COURSE TITLE:** MLT CLINICAL ROTATION II

Semester Hours: 3 credits (240 clock hours) (Last six weeks of the semester)

Students must earn a "C" or better in all MLT prerequisite courses prior to clinical rotation.

Prerequisites: MLT Clinical Chemistry; MLT Applied Clinical Microbiology; Clinical Rotation I  
Supervised clinical experience. Students rotate in clinical chemistry, clinical microscopy, microbiology and serology.



# Application for Admission to the JALC and SICCM Medical Laboratory Technology Program for Fall 2009

JALC ID# \_\_\_\_\_

Name \_\_\_\_\_  
Last First MI Maiden

Address \_\_\_\_\_  
Street City/State/Zip Code

Phone \_\_\_\_\_ Social Security No. \_\_\_\_\_

Date of Birth \_\_\_\_\_ Email \_\_\_\_\_

To which college MLT program are you applying with THIS application?

- \_\_\_\_\_ John A. Logan College
- \_\_\_\_\_ Kaskaskia College
- \_\_\_\_\_ Rend Lake College
- \_\_\_\_\_ Southeastern Illinois College
- \_\_\_\_\_ Shawnee Community College

In which college district are you a legal resident, as of March 1, 2009?

- \_\_\_\_\_ John A. Logan College
- \_\_\_\_\_ Kaskaskia College
- \_\_\_\_\_ Rend Lake College
- \_\_\_\_\_ Southeastern Illinois College
- \_\_\_\_\_ Shawnee Community College

Last High School Attended: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_

Did you graduate? \_\_\_\_\_ YES \_\_\_\_\_ NO  
OR, do you hold a GED Certificate? \_\_\_\_\_ YES \_\_\_\_\_ NO

Are you transferring courses taken at another college for consideration within the Medical Laboratory Technology Program curriculum? \_\_\_\_\_ YES \_\_\_\_\_ NO

If YES, list all colleges from which you have requested official transcripts. Identify any earned credential and/or degree, including field of study:

College Name	Location	Date of Attendance
_____	_____	_____
Credential/Degree		Field of Study

College Name	Location	Date of Attendance
_____	_____	_____
Credential/Degree		Field of Study

Will transcripts be submitted under any other name(s)? \_\_\_\_\_ YES \_\_\_\_\_ NO

If so, list name(s): \_\_\_\_\_

**Evaluated transcripts *MUST* be received by March 1, 2009, in the Assessment Office, Room C205. The applicant is responsible for confirming either in person or in writing to John A. Logan College for receipt of ALL records. The undersigned certifies that the information contained herein is true, complete, and correct. It also certifies that the applicant has read, and agrees to, all application procedures.**

Applicant's Signature \_\_\_\_\_ Date \_\_\_\_\_

The SICCM MLT program admission process does not discriminate on the basis of race, creed, color, national origin, gender, age, or the presence of a non-job related condition or disability. Each college does give preference to its in-district students.



# Entrance Exam Application for Medical Laboratory Technology

**Exam to be used for final class placement for the Fall 2009 full-time program.**

Please fill out completely and **return to the Assessment Office**, Room C205, along with **cash, cashiers check or money order** for **\$20.00 per test**. **NO personal checks** accepted. Do not send cash through the mail!!! Make cashiers check or money order payable to **JOHN A. LOGAN COLLEGE**. **Registration fees must be paid at the time of registration** to the Assessment Office in Room C205 at John A. Logan College. Since your seat is being reserved for a test session the \$20.00 registration fee can not be transferred to another test session or refunded if you do not attend the session for which you were applying. The \$20.00 registration fee per test is **NON-REFUNDABLE and NON-TRANSFERABLE**. Changes to exam and fees may occur at anytime! **No one may take the test if they do not have a photo ID the day of the test.** There are 12 testing times available; a total of 2 tests may be taken per calendar year and only 1 test per month may be taken.

Name \_\_\_\_\_  
Last First MI Maiden

Address \_\_\_\_\_  
Street City/State/Zip Code

Phone \_\_\_\_\_ Social Security Number \_\_\_\_\_

Please consider my results for: **Medical Laboratory Technology Program**

Do you have a disability which may require accommodations for testing? Yes \_\_\_ No \_\_\_

If yes, you must provide documentation of your disability and the need for accommodations to **Student Support Services in Room C219 within seven working days of this request or seven days prior to the test date.**

Have you taken the PSB-Health Occupations Aptitude Examination (HOAE) before? Yes \_\_\_ No \_\_\_

If yes, when? \_\_\_\_\_

**Fill in the testing day, date and time that you prefer for your first registration:**

**\*\* See back side of application for testing dates \*\***

Day \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

FOR OFFICE USE ONLY:						
Registering 1 <sup>st</sup>	_____	for Test Date	_____	Receipt #	_____	Type _____ Amount _____ Dep Date _____
Registering 2 <sup>nd</sup>	_____	for Test Date	_____	Receipt #	_____	Type _____ Amount _____ Dep Date _____
Registering 3 <sup>rd</sup>	_____	for Test Date	_____	Receipt #	_____	Type _____ Amount _____ Dept Date _____

**The undersigned certifies that the applicant has read and agrees to all application procedures.**

Applicant's Signature \_\_\_\_\_

Date \_\_\_\_\_

Please choose one day and time for your first registration, circle the day and time, and fill in the corresponding information on the front of the application indicating your preference.

### November Testing Dates

Deadline: Friday, November 7, 2008, by 4:00 p.m. for the following testing dates, please circle one time if you wish to test in November and also write the test day, date and time on the front of the application, reminder, you can only test 2 times total per testing year and test only 1 time per month:

*Wednesday, November 12, 2008*      8:30 a.m.      or      1:00 p.m.      or

*Thursday, November 13, 2008*      8:30 a.m.      or      1:00 p.m.

### December Testing Dates

Deadline: Friday, December 5, 2008, by 4:00 p.m. for the following testing dates, please circle one time if you wish to test in December and also write the test day, date and time on the front of the application, reminder, you can only test 2 times total per testing year and test only 1 time per month:

*Wednesday, December 10, 2008*      8:30 a.m.      or      1:00 p.m.      or

*Thursday, December 11, 2008*      8:30 a.m.      or      1:00 p.m.

### February Testing Dates

Deadline: Friday, February 13, 2009, by 4:00 p.m. for the following testing dates, please circle one time if you wish to test in February and also write the test day, date and time on the front of the application, reminder, you can only test 2 times total per testing year and test only 1 time per month:

*Wednesday, February 18, 2009*      8:30 a.m.      or      1:00 p.m.      or

*Thursday, February 19, 2009*      8:30 a.m.      or      1:00 p.m.