

The Profession

The medical technologist, a health professional in laboratory medicine, is a vital link between the physician and patient. Some specific responsibilities are to identify pathogenic bacteria and to determine their drug sensitivities, to recognize bleeding disorders, to identify normal and abnormal blood cells, to prepare blood for transfusion, and to analyze serum for the presence of chemical elements and other components.

Career opportunities are excellent, particularly in hospital laboratories and in diagnostic clinics. Other settings which provide career opportunities include research facilities, industry, government agencies, public health offices, crime laboratories, food and cosmetic quality assurance programs, and insurance offices.

After graduation medical technologists may specialize in any major section of the laboratory or in laboratory management. Those who have specialist certifications or advanced degrees find opportunities in supervision, education, and administration in a number of different settings including health care institutions, universities, public service agencies, and private industry. Medical technology education provides excellent preparation for those who wish to become physicians and a sound background for those interested in medical sales work. There has been a demand for graduates from the program. Recent starting salaries for Medical Technologists were in the range of \$37,000 to \$42,000 per year. For more information on the profession go to <http://medlabcareers.msu.edu/links.html>.

MLT to MT Program

The MLT-to-MT Distance Learning Program allows medical laboratory technicians with an associate degree who are registered by the American Society for Clinical Pathologists (ASCP) or certified by the National Certification Agency for Medical Laboratory Personnel, Inc. (NCA) to complete the B.S. degree in Medical Technology in two to three years through a combination of distance education and concentrated laboratory and advanced clinical laboratory experiences. To be eligible for the program, applicants must submit proof of certification or registration from one of the above agencies.

Examinations are administered in the student's community by proctors determined by the Laboratory Sciences Department faculty. Please contact the department for more information.

Classes Begin: August (Fall semester)

Length of Program: 2 – 3 years

The program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences, 5600 North River Road, Suite 720, Rosemont, IL 60018, (773) 714-8880.

Preprofessional Curriculum

A minimum of 81 semester credits (SC) are required from a regionally accredited college or university and must fulfill all College requirements regarding the acceptance of transfer credit. Students must complete 75 SC, including all of the science and mathematics requirements, prior to enrollment in the professional program. Upon acceptance into the program, an additional 6 SC of general education requirements must be reflected on the student's degree plan.

Area/Typical Course Title	Minimum Semester Credits
GENERAL EDUCATION REQUIREMENTS	
English Composition	6
History of Civilization/World History	6
American History or National Government	3
Social Science	6
Speech Communication	2
Fine Arts	3
Humanities	3
*Electives	25
SCIENCE AND MATHEMATICS REQUIREMENTS	
**Biological/Health Science	
Biology Electives	8
Anatomy & Physiology (or Physiology)	4
Microbiology	4
**General Chemistry	8
College Algebra (or higher level mathematics)	<u>3</u>
Total	81

* Recommended electives include introductory courses in Computer Science, Statistics, Management, Genetics, Organic Chemistry, Biochemistry, Quantitative Analysis, and Medical Laboratory Technology.

** MLT professional coursework may be used to fulfill these requirements.

Chemistry and Biology/Health Science courses must be suitable for majors in those disciplines and must include laboratory credit in required courses. Other courses may fulfill the program's requirements. Contact the department for course approval.

CLEP credits are not acceptable to fulfill chemistry and biological science requirements.

Fulfillment of the preprofessional curriculum does not assure admittance into the professional program (please see Application Procedures and Deadlines).

Professional Curriculum

The following 43 Semester Credits (SC) are required in the professional program:

Course #	Title	Semester Credit
Core Courses		
MET 4223	Body Fluids	2
MET 4311	Immunology	3
MET 4312	Hematology	3
MET 4114	Parasitology	1
MET 4315	Clinical Microbiology	3
MET 3212	Clinical Biochemistry	2
MET 4316	Immunohematology	3
MET 4217	Molecular Diagnostics	2
MET 4117	Molecular Diagnostics Laboratory	1
MET 4514	Clinical Chemistry	<u>5</u>
		25
Clinical Courses		
MET 4331	Hematology/Coagulation Internship	3
MET 4314	Chemistry/Urinalysis Internship	3
MET 4134	Laboratory Medicine Seminar	1
MET 4135	Laboratory Medicine Case Studies Seminar	1
MET 4138	Laboratory Management I	1
MET 4139	Laboratory Management II	1
MET 4120	Phlebotomy	1
MET 4335	Microbiology Internship	3
MET 4341	Blood Bank Internship	3
MET 4145	Immunology Internship	<u>1</u>
		<u>18</u>
		43

The sequencing of the professional curriculum varies for each student. The student may enroll in any of the professional courses in any given semester.

All students will need a computer with a CD-ROM drive and access to the Internet in order to view and submit course material. Students will also need to have an e-mail address where the Department of Laboratory Sciences can routinely contact them.



Certification/Licensure

Successful completion of professional coursework in the Medical Technology program satisfies academic eligibility to apply to take certification examinations given by national agencies in the field of medical technology and for licensure examinations given by some state. Successful completion of the program does not itself insure certification or licensure. The granting of the B.S. degree is not contingent upon the student's performance on any type of external certification or licensure examination. Each student is responsible to become familiar with the applicable certification and licensure requirements.

Application Procedures and Deadlines

Each year, the Department of Laboratory Sciences selects a limited number of students from the applications received for admission to the program. The deadline for submitting an application is May 15. A minimum grade point average of 2.50 is required in the science/mathematics courses and in the general education courses to be considered for admission to the program. In the event the class is not filled by those applicants, the application deadline will be extended to as late as August 1.

Applicants must provide:

1. **Application for Admission:** The College of Health Related Professions Application for Admission Form is required. Please contact the program office for information.
2. **Application Fee:** A non-refundable application fee of \$20.00 is required and must accompany the application. If applying to multiple programs, a \$20.00 fee is required for the first program and \$10.00 for each additional program.
3. **Official Transcripts:** Arrange for each college or university you have attended to forward an official transcript of your coursework.
4. **Advising Session:** Qualified applicants are contacted to arrange an advising session after receipt of application and transcripts.
5. Documentation of MLT(ASCP) or CLT(NCA) certification.
6. **Admission Requirements for International Applicants:** All applicants who are not United States citizens or permanent resident aliens or for whom English is not their native language must meet additional admission requirements. Please consult the Admission/Academic Information section of the CHRP Catalog found at <http://www.uams.edu/chrp/catalog/>.

Arkansas residency will be considered during selection for admission. Applicants are considered without regard to race, color, gender, age, sexual orientation, religion, national origin or disability status as a criterion in deciding against any individual in matters of admission, placement, transfer, hiring, dismissal, compensation, fringe benefits, training, tuition assistance, and other personnel or educationally-related actions.

Fees

Shown below are fees for 2011-2012. Fees are subject to change without notice by action of the Board of Trustees, so contact the department chairman prior to registration to learn the exact fees. Note that all fees are due upon registration.

Tuition for all students:

Arkansas resident	\$220.00 per semester credit
Non-resident	\$534.00 per semester credit

Other fees (laboratory, liability insurance premiums, etc.)

Student Health fee*	\$79.90 per semester
Student Liability insurance	\$13.00 per year
Technology Fee	\$46.30 per semester
Student Clinic Fee**	\$60.00 per semester

*For Central Arkansas students only.

**Most full-time students in Arkansas; additional information at (501) 686-5730.

Additional fees may apply; contact the department chairman prior to registration for exact fees.

Financial Assistance

In addition to the general financial aid opportunities available through the UAMS Student Financial Services Office, the following sources of aid may be available to qualified medical technology students.

1. Sharon Edwards Gibbert Memorial Scholarship
2. M. Gene Hall Medical Technology Scholarship
3. College of Health Related Professions Scholarships
4. Paula Peacock Medical Technology Scholarship
5. Bobby Morgan Medical Technology Scholarship
6. Jerry Brummett Medical Technology Scholarship

Please contact the department for eligibility requirements.

This brochure describes the program requirements for the 2011-2012 academic year. While it is expected that most of the requirements will apply to 2012-2013 as well, some changes are likely. You are strongly advised to contact the department/program office to receive the latest information.

Telephone (501) 686-5776 or (800) 981-4427

www.uams.edu/chrp/medtech

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Medical Technology

MLT-to-MT Distance Learning Program

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UAMS
COLLEGE OF
HEALTH RELATED
PROFESSIONS

UNIVERSITY OF ARKANSAS
FOR MEDICAL SCIENCES

2011-2012

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