

### 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>.

### The Program

The College of Health Related Professions offers the Bachelor's of Science in Medical Technology. During their senior year, students will complete an internship at one or more of the following approved clinical sites: University of Arkansas for Medical Sciences; John L. McClellan Memorial V.A. Medical Center; Arkansas Children's Hospital; St. Vincent Infirmary Medical Center; Arkansas Department of Health; Jefferson Regional Medical Center, Pine Bluff, Arkansas; Christus St. Michael Health Care System, Texarkana, Texas; Washington Regional Medical Center, Fayetteville, Arkansas; St. Edwards Mercy Medical Center, Ft. Smith; Arkansas, Conway Regional Medical Center, Conway, Arkansas; St. Joseph's Mercy Health Center, Hot Springs, Arkansas; and Siloam Springs Memorial Hospital, Siloam Springs, Arkansas.

### Baccalaureate Second Degree Program

Last class to begin fall 2011. The Medical Technology program offers an accelerated 12-month track. The program is designed for students with a bachelor's degree in biology, chemistry, microbiology, or a related science from a regionally accredited college or university. This intensive program includes two semesters of professional curriculum and approximately 16 weeks of clinical experience in central Arkansas. Graduates receive a Bachelor of Science Degree in Medical Technology and are eligible to apply to sit for national certification examinations. For more information, contact Karen Hunter at (501) 686-5776 or (800) 981-4427 and/or view the Web site at <http://www.uams.edu/CHRP/medtech/default.asp>.

### Distant Education Track

The department offers a medical technology distance education curriculum. Pre-professional course work can be taken at any approved regionally accredited college or university. Students who are admitted will complete a 17 month professional curriculum. The first year of the program includes course work (lectures and laboratory exercises) using distance education technology. The first-year student is required to complete on-campus laboratory sessions mid-semester and during the final two weeks of the fall and spring semesters. During the final six months of the program, students complete an internship at a program-approved clinical affiliation site.

This program is designed for students who want to become a clinical laboratory professional, but who cannot, for various reasons, leave their area to attend the first year of the traditional program in Little Rock. Clinical laboratory professionals are needed in nearly all areas of Arkansas as well as in nearly all areas of the country.

For additional information, contact Cindy Osburn at [osburncindy@uams.edu](mailto:osburncindy@uams.edu) (800-981-4427) to discuss distant learning opportunities in the Medical Technology Program at the University of Arkansas for Medical Sciences.

**Classes Begin:** August (Fall Semester)

**Length of Program:** 17 months

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

### Preprofessional Curriculum

A minimum of 71 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 65 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.

	<b>Minimum Semester Credit</b>
<b>Area/Typical Course Title</b>	
<b>GENERAL EDUCATION REQUIREMENTS</b>	
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	14
	44
<b>SCIENCE AND MATHEMATICS REQUIREMENTS</b>	
**Biological/Health Science	
Biology Electives	8
Anatomy & Physiology (or Physiology)	4
Microbiology	4
General Chemistry	8
College Algebra (or higher level mathematics)	3
	27
<b>Total</b>	<b>71</b>

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

\*\*To include not more than 4SC of botany.

Chemistry and Biology/Health Science courses must be suitable for majors in those disciplines and must include laboratory credit in required courses.

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

### Professional Curriculum

The following 53 Semester Credits (SC) are required in the professional program:

<b>Course #</b>	<b>Title</b>	<b>Semester Credit</b>
<b>Fall Semester (1)</b>		
MET 3213	Introduction to Medical Technology	2
MET 4223	Body Fluids	2
MET 3110	Body Fluids Laboratory	1
MET 4311	Immunology	3
MET 4312	Hematology	3
MET 4212	Hematology Laboratory	2
MET 3212	Clinical Biochemistry	2
MET 4114	Parasitology	1
		16
<b>Spring Semester (2)</b>		
MET 4313	Clinical Microbiology	3
MET 4215	Clinical Microbiology Laboratory	2
MET 4217	Molecular Diagnostics	2
MET 4117	Molecular Diagnostics Laboratory	1
MET 4316	Immunohematology	3
MET 4116	Immunohematology Laboratory	1
MET 4514	Clinical Chemistry	5
MET 4120	Phlebotomy (Lecture, Laboratory, and Internship)	1
		18
<b>Summer Semester (3)</b>		
MET 4138	Laboratory Management I	1
MET 4200	Internship Preparation*	2
MET 4314	Clinical Internship I*	3
		6
<b>Fall Semester (4)</b>		
MET 4134	Laboratory Medicine Seminar	1
MET 4135	Laboratory Medicine Case Studies Seminar	1
MET 4139	Laboratory Management II	1
MET 4145	Immunology Internship*	1
MET 4331	Clinical Internship II*	3
MET 4335	Clinical Internship III*	3
MET 4341	Clinical Internship IV*	3
		13
<b>Total</b>		<b>53</b>

\*The sequencing of the six internship courses varies for each student.

### 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 states.

### 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. **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.

For additional details contact the department office (501) 686-5776 or the College admissions officer (501) 686-5730.

### 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
Microscope fee**	\$121.50 per year
Laboratory fee**	\$50.00 per semester
Technology fee	\$46.30 per semester
Student Clinic fee***	\$60.00 per semester

\* Central Arkansas students only.

\*\* Collected during the first year of enrollment.

\*\*\* 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](http://www.uams.edu/chrp/medtech)

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# Medical Technology

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**UAMS**  
COLLEGE OF  
HEALTH RELATED  
PROFESSIONS  
UNIVERSITY OF ARKANSAS  
FOR MEDICAL SCIENCES

2011-2012

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College of Health Related Professions  
University of Arkansas for Medical Sciences  
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