
MEDICAL TECHNOLOGY

Dr. James Caldwell, *Coordinator*

The University offers a Bachelor of Science degree with a major in Medical Technology through an affiliation with AHC/King's Daughter's Hospital, Fishersville, Virginia. Students may also have the opportunity to attend other accredited hospital programs. The program is designed to follow the standard procedure for the Bachelor of Science degree in Medical Technology--three years of college work and one year of clinical instruction and practice at a teaching hospital.

Although the University maintains the above affiliations with hospital programs, admission to the clinical year is not guaranteed by the University. Each student is responsible for applying and gaining admission to the clinical year program at an accredited teaching hospital. Faculty in the Department of Biology will provide assistance to students seeking a clinical year affiliation.

The University will grant the equivalent of one year of college credit (30 semester hours) for the clinical period if the student is admitted to the program in an approved teaching hospital and satisfactorily completes the required work. During the fall semester of the senior year, the student must register for MT 400, Clinical Experience, and will pay a \$5.00 lab fee. This course carries no credit, nor is tuition charged for it.

In addition to the General Education requirements, a student must complete the courses listed below prior to the clinical year. Additional courses may be required for admission by specific teaching hospitals. The program is approved by the Board of Registry of Medical Technology and the American Society of Clinical Pathologists. The Medical Technology program of Averett University is part of the Department of Biology.

All students must attain a minimum grade point average of 2.50 for all courses taken at Averett University in the major in order to graduate. These major courses include all required for the degree, as well as all taken as electives from Biology, Environmental Sciences, and Chemistry and General College Physics I and II.

All seniors shall take a comprehensive examination administered by the faculty of the department. The subject matter for the examination will encompass all required core courses for the degree. The examination will be taken after the completion of the junior year and prior to beginning the year of clinical training. The student is required to make 65 out of a possible 90 points to pass. Any student who does not pass the examination will be given an opportunity to repeat the examination during the next semester. Given the timing of the examination, all core courses should be completed prior to the senior year.

Any student who does not pass the comprehensive examination or who fails to meet the minimum grade point average requirement of 2.50 may remain in the program until these criteria are met, providing the minimum requirements of the University are maintained.

Requirements for a Major in Medical Technology:

In addition to the general education requirements, the following courses are required:

	Semester Hours
BIO 101, Introduction to Biology	4
BIO 103, General Zoology.....	4
BIO 204, 205, Human Anatomy and Physiology I, II.....	8
BIO 301, Microbiology.....	4
CH 101, 102, General Chemistry, I, II.....	8
Eight Hours from the following:	8
CH 201, 202, Quantitative Analysis and Laboratory	
CH 401, Biochemistry	
CH 301, 303, Organic Chemistry I and Laboratory	
CH 302, 304, Organic Chemistry II and Laboratory	
Clinical experience (at hospital lab).....	30
MT 400, Clinical Experience	<u>0</u>
Total	66

Sample Four-Year Course Sequence: Medical Technology

Freshman Year:

BIO 101, Introduction to Biology
BIO 103, General Zoology
CH 101, 102, General Chemistry I, II

Sophomore Year:

BIO 204, 205, Human Anatomy and Physiology I, II
BIO 301, Microbiology

Junior Year:

Eight hours of upper level Chemistry courses from the list above

Senior Year:

Clinical experience (at hospital lab)
MT 400, Clinical Experience

Courses of Instruction

400 Clinical Experience (0)

An opportunity for clinical experience in a hospital laboratory. Students who are enrolled at an approved hospital laboratory must register for this course in the fall semester of their senior year. The purpose of this registration is to assure communication with the student. No credit is awarded nor is any tuition charged. There is a fee.