

# MILLERSVILLE UNIVERSITY

Student Name: \_\_\_\_\_ Student I.D.# \_\_\_\_\_

DEGREE: BS	<b>MAJOR REQUIREMENTS FOR A BS DEGREE IN ALLIED HEALTH TECHNOLOGY: MEDICAL TECHNOLOGY</b> Total credit hours required: 120.0 minimum
MAJOR: ALHT	
OPTION: MEDT	

## REQUIREMENTS AND POLICIES FOR THE BS ALLIED HEALTH TECHNOLOGY MAJOR

### A. Policies for Admission to the Major

1. New students (freshmen and transfers) must be admitted to the Allied Health Technology major by the Office of Admissions upon admission to the University.
2. Admission of Millersville University students to the Allied Health Technology major (from other departments or undeclared status) requires that the student is in satisfactory academic standing as described in the Undergraduate Catalog. Students who were dropped from the Allied Health Technology major also must satisfy the Allied Health Technology Retention in the Major criteria before being readmitted to an Allied Health Technology major.
3. Non-degree and continuing education students must be admitted to the Allied Health Technology major by the Office of Admissions.

### B. Policies for Retention in the Major

1. University requirements for retention must be met.
2. All Allied Health Technology ("ALHT") majors must earn grades of C- (C minus, 1.7) or higher in Biology courses required for their option (BIOL 254, 255, 362, 364, 454 and 461) and a satisfactory (S) grade in BIOL 257. All ALHT majors must earn a B- (B minus, 2.7) or higher in BIOL 100 or a C- (C minus, 1.7) or higher in BIOL 101. ALHT majors must also maintain a minimum 2.0 major GPA.
3. The requirements stated above must be satisfied before completion of 90 Millersville University credit hours.
4. Millersville University students changing majors, or Allied Health Technology majors changing options within the Allied Health Technology major, must satisfy the above requirements prior to completion of 45 additional Millersville University credit hours. Note: Students who desire to change their major to Allied Health Technology must refer to the Allied Health Technology Admission to the Major Policy (see above).
5. Transfer students with 60 credit hours or more must satisfy the above requirements prior to completion of 45 Millersville University credit hours. Transfer students with fewer than 60 credits should refer to the policy for all other majors (part #3 above).
6. Any students failing to meet the above requirements will be dropped from the Allied Health Technology major. Students who wish to re-enter the major, must follow the requirements stipulated in part 4 above.

### C. Policies for Completion of the Major

1. Completion of all University curricular requirements.
2. ENGL 312, Technical Writing, is the recommended course for the Upper Level Writing Requirement under the General Education Curriculum Requirements.
3. Completion of the clinical (hospital) phase is required for graduation in this option.

### D. Admission to the clinical program is competitive and is not guaranteed.

Admission to the clinical (hospital) phase is competitive, and for acceptance, the following grades are recommended: B (3.0) or higher in CHEM 111, CHEM 112, BIOL 454, and BIOL 461.

**Note to the student:** This form is provided as a guide. It is your responsibility to consult regularly with your adviser to be aware of changes and curriculum details which are not incorporated on this form.

## MAJOR SEQUENCE AND DEGREE REQUIREMENTS

Major: **BS Allied Health Technology**

Option: **MEDICAL TECHNOLOGY (Medical Laboratory Science)**

Major Field Requirements: **31.0-33.0 credits**

Clinical Education: **26.0 credits**

Other Requirements: **27.0 credits**

When applicable, up to six of the **REQUIRED RELATED** courses may be credited toward the Liberal Arts Core subject to normal distribution rules.

Course No.	Short Title	C.H.	Grade	Q.P.	Course No.	Short Title	C.H.	Grade	Q.P.
<b>REQUIRED BIOLOGY COURSES (25.0 credits)</b>					<b>REQUIRED RELATED (27.0 credits)</b>				
BIOL 100	General Biology	3.0	_____	_____	<b>Chemistry (16.0 credits)</b>				
BIOL 254	Human Anat & Phys I	4.0	_____	_____	CHEM 111*	Intro to Chemistry I	4.0	_____	_____
BIOL 255	Human Anat & Phys II	4.0	_____	_____	CHEM 112*	Intro to Chemistry II	4.0	_____	_____
BIOL 257	Intro Allied Health	1.0	_____	_____	CHEM 235	Short Course Org Chem	4.0	_____	_____
BIOL 362	Cell & Development	4.0	_____	_____	CHEM 326	Biochemistry I	4.0	_____	_____
BIOL 364	Genetics & Mol Biology	4.0	_____	_____	Note: CHEM 231* and CHEM 232 (total 8.0 credits) may substitute for CHEM 235.				
BIOL 454	Immunology	2.0	_____	_____	*Must earn a C- or better in these CHEM courses before completing CHEM 235 or CHEM 232.				
BIOL 461	General Microbiology	3.0	_____	_____	Students who are considering going to graduate school or attending medical, dental, veterinary school or wanting to enroll in school to become a pharmacist, physical therapist, or physician assistant after completing their clinical training SHOULD TAKE CHEM 231 and 232.				
<b>DIRECTED BIOLOGY ELECTIVES (6.0-8.0 credits)</b>					Note: Those students wishing to complete a Chemistry minor must complete CHEM 265 (Quantitative Analysis) in addition to those CHEM courses listed above.				
Select from below a minimum of two courses:					<b>Mathematics (7.0 credits)</b>				
BIOL 211	Concepts of Zoology	4.0	_____	_____	MATH 130	Elements of Statistics	3.0	_____	_____
BIOL 352	Nutritional Science	3.0	_____	_____	MATH 160	Precalculus	4.0	_____	_____
BIOL 360	Histology	4.0	_____	_____	Note: Students who might be interested in attending graduate school or professional schools after completing their clinical program SHOULD ALSO TAKE MATH 161.				
BIOL 363	Medical Microbiology	3.0	_____	_____	<b>Physics (4.0 credits)</b>				
BIOL 417	Parasitology	3.0	_____	_____	PHYS 131	Physics I with Algebra	4.0	_____	_____
BIOL 437	Endocrinology	3.0	_____	_____	Note: Students who might be interested in attending graduate school or professional schools after completing their clinical program SHOULD ALSO TAKE PHYS 132.				
BIOL 438	Neurobiology	3.0	_____	_____	<b>General Electives (as necessary)</b>				
BIOL 455	Cardiopulmonary Physio	3.0	_____	_____	_____	_____	_____	_____	_____
BIOL 462	Molecular Biology	4.0	_____	_____	_____	_____	_____	_____	_____
BIOL 463	Virology	4.0	_____	_____	_____	_____	_____	_____	_____
BIOL 465	Developmental Biology	3.0	_____	_____	_____	_____	_____	_____	_____
BIOL 467	Human Genetics	3.0	_____	_____	_____	_____	_____	_____	_____
RESP 422	Pharmacology	2.0	_____	_____	_____	_____	_____	_____	_____
<b>CLINICAL LAB SCIENCE EDUCATION (26.0 credits)</b>									
Upon completion of one year of Clinical Laboratory Science education at an affiliated hospital site, 26.0 credit hours will be credited toward the B.S. degree in Allied Health Technology with the Medical Technology (Clinical Laboratory Science) option.									
Clinical Laboratory Science Courses (26.0 credits) <input type="checkbox"/>									