

**CLINICAL LABORATORY SCIENCE/  
MEDICAL TECHNOLOGY – PRE-HEALTH CHECKLIST**

**2007/2008**

NAME: \_\_\_\_\_ ID#: \_\_\_\_\_ DATE: \_\_\_\_\_

**GENERAL EDUCATION REQUIREMENTS**

**GROUP I - 15 HOURS/5 COURSES**

- A. English 101 (Grade of "C" or better) 3 \_\_\_\_\_
- English 102 (Grade of "C" or better) 3 \_\_\_\_\_
- Literature 3 \_\_\_\_\_

- B. Art, Communication and Theatre Arts, Dance,  
Modern Languages, Music or Philosophy  
(6 HOURS FROM TWO DEPARTMENTS)
- \_\_\_\_\_ 3 \_\_\_\_\_
- \_\_\_\_\_ 3 \_\_\_\_\_

**GROUP II - 15 HOURS/5 COURSES**

- A. History 101 3 \_\_\_\_\_
- History 102 3 \_\_\_\_\_

- B. Anthropology, Economics, History, Human  
Geography, Political Science, Psychology or  
Sociology/Conflict Analysis and Dispute  
Resolution  
(9 HOURS FROM THREE DEPARTMENTS)
- \_\_\_\_\_ 3 \_\_\_\_\_
- \_\_\_\_\_ 3 \_\_\_\_\_
- \_\_\_\_\_ 3 \_\_\_\_\_

**GROUP III - 12 HOURS/4 COURSES**

- A. BIOL 215 4 \_\_\_\_\_
- CHEM 121 4 \_\_\_\_\_
- B. CHEM 122 4 \_\_\_\_\_
- C. MATH 155 3 \_\_\_\_\_

**GROUP IV - 3 HOURS/1 COURSE**

- PHEC 106 Personalized Health Fitness 3 \_\_\_\_\_

**ELECTIVES**

- \_\_\_\_\_ \_\_\_\_\_
- \_\_\_\_\_ \_\_\_\_\_
- \_\_\_\_\_ \_\_\_\_\_
- \_\_\_\_\_ \_\_\_\_\_

**CLINICAL LABORATORY SCIENCE/MEDICAL TECHNOLOGY  
REQUIREMENTS**

**FRESHMAN YEAR**

- BIOL 215 Anatomy and Physiology I 4 \_\_\_\_\_
- BIOL 216 Anatomy and Physiology II 4 \_\_\_\_\_
- CHEM 121 General Chemistry (see Group IIIA)
- CHEM 122 General Chemistry (see Group IIIB)
- MDTC 101 Lab Safety 1 \_\_\_\_\_

**SOPHOMORE YEAR**

- BIOL 211 Microbiology 4 \_\_\_\_\_
- CHEM 221 Organic Chemistry I 4 \_\_\_\_\_
- CHEM 222 Organic Chemistry II 4 \_\_\_\_\_
- PHYS 121 General Physics I 4 \_\_\_\_\_
- PHYS 123 General Physics II 4 \_\_\_\_\_
- MATH 155 Modern Statistics (see Group III C)

**JUNIOR YEAR**

- MDTC 300 Principles of Clinical Laboratory Science 4 \_\_\_\_\_
- MDTC 331 Diagnostic Immunology 4 \_\_\_\_\_
- MDTC 301 Hematology I 4 \_\_\_\_\_
- MDTC 341 Clinical Biochemistry I 5 \_\_\_\_\_
- MDTC 311 Clinical Microbiology I 4 \_\_\_\_\_

**SENIOR YEAR**

- MDTC 401 Hematology II 3 \_\_\_\_\_
- MDTC 411 Clinical Microbiology II 4 \_\_\_\_\_
- MDTC 431 Introduction To Transfusion Services 3 \_\_\_\_\_
- MDTC 441 Clinical Biochemistry II 4 \_\_\_\_\_
- MDTC 470 Research Methods in Clinical Lab Science 1 \_\_\_\_\_
- MDTC 402 Hematology III 3 \_\_\_\_\_
- MDTC 403 Urine and Body Fluid Analysis 1 \_\_\_\_\_
- MDTC 412 Clinical Microbiology III 3 \_\_\_\_\_
- MDTC 413 Clinical Immunology 1 \_\_\_\_\_
- MDTC 432 Clinical Transfusion Services 3 \_\_\_\_\_
- MDTC 442 Automated Clinical Chemistry 2 \_\_\_\_\_
- MDTC 443 Special Clinical Chemistry 3 \_\_\_\_\_
- MDTC 461 Organization and Management 2 \_\_\_\_\_
- MDTC 471 Clinical Seminar 1 \_\_\_\_\_

**STUDENTS ACCEPTED INTO THE PROGRAM ARE EXPECTED TO COMPLETE ALL DEPARTMENT COURSES WITH A GRADE OF "C" OR BETTER. ALL STUDENTS MUST COMPLETE A MINIMUM OF 30 HOURS AT THE 300/400 LEVELS WITH A GRADE OF "C" OR BETTER.**

Minors in Clinical Microbiology, Clinical Biochemistry, Hematology, and Transfusion Services are available; contact: Johanna W. Laird, Director, Clinical Laboratory Science/Medical Technology Program, Salisbury University, Salisbury, MD 21801 (410)543-6364; [jwlaird@salisbury.edu](mailto:jwlaird@salisbury.edu)

**BACHELOR OF SCIENCE DEGREE IN CLINICAL LABORATORY SCIENCE/  
MEDICAL TECHNOLOGY – PRE-HEALTH CHECKLIST**

**Freshman Year**

<u>First Semester</u>				<u>Second Semester</u>		
BIOL 215	Anatomy and Physiology I	4		BIOL 216	Anatomy and Physiology II	4
CHEM 121	General Chemistry	4		CHEM 122	General Chemistry	4
ENGL 101	Principles of Composition	3		ENGL 102	Literature	3
HIST 101	World Civilization	3		PHEC 106	Individualized P.E.	3
MDTC 101	Lab Safety	1				14
		15				

**Sophomore Year**

<u>First Semester</u>				<u>Second Semester</u>		
CHEM 221	Organic Chemistry I	4		BIOL 211	Microbiology	4
MATH 155	Modern Statistics	3		HIST 102	World Civilizations	3
ENGL LIT	Literature Elective	3		Group IB	Elective	3
Group IB	Elective	3		CHEM 222	Organic Chemistry I	4
Group IIB	Elective	3		Group IIB	Elective	3
		16				17

**Junior Year**

<u>First Semester</u>			BIOL 350 Cell Biology	<u>Second Semester</u>		
MDTC 300	Prin. of Clin. Lab Science	4		MDTC 301	Hematology I	4
MDTC 331	Diagnostic Immunology	4		MDTC 341	Clinical Biochemistry I	5
Group IIB	Elective	3		MDTC 311	Clinical Microbiology I	4
PHYS 121	General Physics I	4		PHYS 123	General Physics II	4
		15				17

**Senior Year**

<u>First Semester</u>				<u>Second Semester</u>		
MDTC 401	Hematology II	3	Winter	MDTC 403	Urine & BF Analysis	1
MDTC 431	Intro. to Transfusion	3	MDTC	MDTC 412	Clinical Micro. III	3
MDTC 441	Services	4	402	MDTC 413	Clinical Immunology	1
MDTC 411	Clinical Biochemistry II	4	Hem. III	MDTC 432	Clinical Transfusion Services	3
MDTC 470	Clinical Microbiology II	1	or	MDTC 442	Automated Clinical Chemistry	2
	Research Methods in Clinical Lab Science	15	alternate rotation	MDTC 443	Special Clinical Chemistry	3
				MDTC 461	Organ. & Management	2
				MDTC 471	Clinical Seminar	1
						16
			3			

**NOTE:** Transfer students and Medical Laboratory Technicians should seek individual advisement from program faculty to prevent duplication of course work and/or experiences.

**A total of 120 hours are required for graduation with a Major in Clinical Laboratory Science/Medical Technology.**