

EASTERN KENTUCKY UNIVERSITY

MEDICAL LABORATORY SCIENCE (PRE-MLS AND UPPER DIVISION)

FIRST YEAR (Pre-MLS)

<u>First Semester (Fall)</u>			<u>Second Semester (Spring)</u>		
HSO 100	Freshmen Orientation (U)	1	ENG 102	English Composition (E-1B)	3
CHE 111	General Chemistry I (S)	3	CHE 112	General Chemistry II (S)	3
CHE 111L	General Chemistry Lab I (S)	1	CHE 112L	General Chemistry Lab II (S)	1
ENG 101	English Composition (E-1A)	3	MLS 201	Intro to Clinical Pathology*	3
MAT 114	College Algebra (S)	3	---	Free Elective	2
---	GEN Education (E- 3, 5 or 6)	6	---	GEN Education (E- 3, 5 or 6)	6
Total Hours			Total Hours		
17			15/18		

SECOND YEAR (Pre-MLS)

<u>Third Semester (Fall)</u>			<u>Fourth Semester (Spring)</u>		
MLS 290	Medical Biochemistry (S)#	3	BIO 301	Human Physiology (S)	3
MLS 201	Intro to Clinical Pathology	3	BIO 378	Human Physiology Lab (S)	1
---	Free Elective	2	CIS 212	Intro. to Computer Info System	3
BIO 111	Cell & Molecular Biology (S)	4	<u>or</u> INF 104	<u>or</u> intro to Data Mgmt (S)
---	Oral Communication (E-1C)	3	HSA 200	Medical Terminology (S)	3
---	GEN Education (E- 3, 5 or 6)	3	---	Free Elective	3
---	GEN Education (E- 3, 5 or 6)	3	---	GEN Education (E- 3, 5 or 6)	3
Total Hours			Total Hours		
15/18			16		

SUMMER (Pre-MLS)

MLS 290 Medical Biochemistry# (S) 3

THIRD YEAR (Upper Division MLS)

<u>Fifth Semester (Fall)</u>			<u>Sixth Semester (Spring)</u>		
MLS 300	Laboratory Administration	2	MLS 303	Clinical Laboratory Skills†	1
MLS 303	Clinical Laboratory Skills†	1	MLS 305	Analysis of Body Fluids	2
MLS 308	Clinical Serology	2	MLS 309	Clinical Immunology†	1
MLS 309	Clinical Immunology†	1	MLS 320	Immunohematology	3
MLS 310	Hematology and Coagulation	5	MLS 346	Clinical Chemistry	5
MLS 350	Bacteriology and Virology	5	MLS 355	Mycology and Parasitology	4
Total Hours			Total Hours		
14/16			14/16		

FOURTH YEAR (Upper Division MLS)

<u>Summer Session</u>			<u>Practicum (5 months)</u>		
MLS 431	Clinical Correlations	3	MLS 432	Clinical Chemistry Pract.	5
MLS 438	Hematology Pract.	4	MLS 434	Clinical Microbiology Pract.	4
Total Hours			MLS 436	Lab Mgmt/Education	1
7			MLS 437	Clinical Laboratory Seminar	3
			MLS 439	Urinalysis Pract.	1
			MLS 440	Blood Bank Pract.	2
			MLS 441	Immunology Pract.	1
			Total Hours		
			17		

(S) Supporting course ;

* MLS 201 is only taken once in the second or third semester;

† MLS 303 and MLS 309 are only taken once in the fifth or sixth semester; # MLS 290 can be taken in fourth semester or in the summer

TOTAL CREDIT HOURS FOR DEGREE = 120 HOURS. The 27 hours of general education requirements should include the following areas: Element 1A (3), 1B (3), 1C (3), 3A (3), 3B (3), 5 (6), and 6 (6). The number in parenthesis is the credit hours for the course. University requirements are listed with a (U) after the course description.