

MEDICAL LABORATORY SCIENCE

College of the Environment & Life Sciences (CELS)

Effective Fall 2010

Department: Cell and Molecular Biology, 874-2201, www.CELS.URI/CMB

UC Advisor: Dr. Gregory Paquette, gregcls@uri.edu, 874-2315; CBL 369

Credits: 120

The Major: The Medical Laboratory Science major is concerned with the diagnosis, treatment, and prevention of disease using analytical methods in the clinical laboratory. The clinical program includes lecture and laboratory instruction in clinical chemistry, clinical microbiology, hematology, immunology, immunohematology and molecular pathology, and prepares the student for the national certification examination and state licensure.

Career Options: Job availability for Medical Laboratory Science graduates is usually extensive, and it is increasing. A recent report issued by the United States Department of Labor indicates an increasing demand for professionals in all areas of health care, including medical laboratory science. Graduates of the program have an opportunity for careers in clinical practice, laboratory supervision and management, health regulatory agencies, sales and technical representation for scientific equipment companies, research, and education.

Transfer out of UC: Must have completed at least 24 credits, minimum GPA OF 2.00, and received permission from the UC major advisor. Application to the senior year hospital internship is made in the Fall of the junior year. A minimal GPA of 2.5 is required to apply. The actual GPA accepted varies due to the number of applicants.

The following is an example of the typical course schedule for the first 4 semesters for a student majoring in Clinical Laboratory Science. These are the recommended course selections for CMB majors in University College; there will be variation based on course availability and schedule restraints. Some classes are not offered every semester. It is important to plan ahead and consult with your advisor to allow yourself time to enroll in the classes you wish to take.

<u>Semester I (Fall)</u>	<u>Semester II(Spring)</u>
URI 101 Freshman at URI.....1	WRT 104/105 or 106 Composition3
COM 100 Communication Fundamentals....3	BIO 102 Principles of Biology II.....4
CHM 101/102 General Chemistry.....4	CHM 112/114 ChemistryII, Lab.....4
BIO 101 Principles of Biology 1.....4	MLS 102 Intro. Clinical Lab Science.....1
<u>MTH 111 or MTH 131 or MTH 141.....3</u>	<u>General Ed3</u>
<i>Total credits: 15</i>	<i>Total credits: 15</i>
<u>Semester III(Fall)</u>	<u>Semester IV(Spring)</u>
PHY 111, 185 General Physics.....1	CHM 226/228 Organic Chemistry II + Lab5
BIO 121 Human Anatomy.....4	BIO 242 Intro. Human Physiology.....3
CHM 227 Organic Chemistry.....3	MIC 201 Intro Microbiology.....4
<u>General Ed.....3-6</u>	<u>General Ed. (Cat. S, A,L, or F)3</u>
<i>Total credits: 14-17</i>	<i>Total credits: 15</i>

*For more information about the major contact the CMB University College advisor listed above.

MEDICAL LABORATORY SCIENCE, B.S., 120 CREDITS

Effective Fall 2010

College of the Environment & Life Sciences (CELS)

Department of Cell & Molecular Biology

STUDENT _____

ADVISOR _____

General Education (27 credits +11 Basic Science)

C: COM 100____(3), CW: WRT ____ (3)

MQ: (3 cr. from Basic Science)

N: (8 cr. from Basic Science)

S: _____(3) _____(3)

(15 credits from L, A, and F)

L: _____

A: _____

F: _____

Introductory Professional Courses (4 credits)

MLS 102____(1)

MIC 211 ____ (4) or MIC201____(4)

Basic Sciences (41 credits)*

BCH 311____(3)

BIO 101____(4) BIO 102____(4)

BIO 121____(4) BIO 242____(3)

CHM 101____(3) CHM 102____(1)

CHM 112____(3) CHM 114____(1)

CHM 226____(2), 227____(3) and 228____(3)

MTH 111____(3) *or* 131____(3), *or* 141____(3)

PHY 111____(3) PHY 185____(1)

*8 credits apply to N category & 3 credits apply to MQ.

Concentration (41 credits)

MIC 333 ____ (3) MIC 432 ____ (3)

MLS 483 ____ (3)

Clinical Internship:

MLS 405____(2) MLS 406____(2)

MLS 407____(2) MLS 409____(4)

MLS 410____(4) MLS 411____(4)

MLS 412____(4) MLS 413____(2)

MLS 414____(2) MLS 415____(3)

MLS 416____(3)

Free Electives (6 credits)

Students may take courses of their choice.

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120 credits required

Student Total _____

ADVISING COMMENTS: