DEPARTMENT OF MEDICAL & MOLECULAR SCIENCES

MISSION STATEMENT

In accordance with the goals set forth by the University of Delaware and the College of Health Sciences, it is the mission of the Department of Medical & Molecular Sciences to:

• The Department of Medical & Molecular Sciences is committed to providing skilled, critically-thinking practitioners equipped to be future leaders in health sciences. In this pursuit, the Department is committed to active engagement of undergraduate and graduate students in experiential learning, to forming collaborative partnerships with educational, clinical, industrial and research experts locally and globally, to discovering innovative breakthroughs in research that contribute to the health and basic sciences body of knowledge, and to functioning as an expert resource regarding all issues related to Medical & Molecular Science.

OUTCOME EXPECTATION FOR STUDENTS BASED ON UNIVERSITY, PROGRAM AND COURSE LEARNING GOALS

The student learning goals and objectives, as stated for each medical laboratory science course, provide the foundation for student achievement of the Medial Laboratory Science Program's student learning goals and objectives. Achievement of the Program's combined goals and objectives is necessary for students to gain the knowledge needed to be successful entry-level medical laboratory scientists, as well as successful on passing the ASCP Board of Certification national examination. Additionally, the Medical Laboratory Science Program's student learning goals and objectives support student accomplishment of the University's general education goals for undergraduate students. The University's general education goals support a comprehensive understanding of the liberal arts and sciences. The synergy for this collaborative effort is expressed in the table entitled "University and MLS Program Goals and Objectives".

UNIVERSITY AND MLS PROGRAM GOALS AND OBJECTIVES

MEDICAL	MLS PROGRAM	MEDICAL	MLS PROGRAM	UNIVERSITY
LABORATORY	EDUCATIONAL	LABORATORY	EDUCATIONAL	GENERAL
SCIENCE PROGRAM	OBJECTIVES	SCIENCE PROGRAM	OBJECTIVES	EDUCATION GOALS
EDUCATIONAL	SUPPORT MLS	EDUCATION	SUPPORT UD	
GOALS	PROGRAM	OBJECTIVES	GEN. ED. GOALS	
	EDUCATIONAL			
	GOALS			
To provide students	MLS PROGRAM EDUC.	Demonstrate proper	UD GENERAL	1. Read critically,
	OBJ. # 1, 2, 3, 4, 5, 6, 7,	procedures for the	EDUCATION GOAL #5	analyze arguments &
	8, 9, 10, 11, 12, 14, 16	collection of safe handling		information, & engage in constructive ideation.
education in medical laboratory science		& analysis of biological specimens.		constructive ideation.
leading to a		specimens.		
baccalaureate degree.				
• •	MLS PROGRAM EDUC.	Utilize scientific	UD GENERAL	2. Communicate
The state of the s	OBJ. # 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14,	principles (e.g. physiology, immunology, biochemistry,	EDUCATION GOAL #5	effectively in writing, orally, & through
	16	molecular biology,		creative expression.
science practitioners for		genetics, microbiology,		
the healthcare		etc.), laboratory principles		
environment of the 21st		and methodologies for the		
century. 3. To prepare students	MLS PROGRAM EDUC.	clinical setting. 3. Perform laboratory	UD GENERAL	Work collaboratively
	OBJ. # 12, 13, 14, 15, 16,	testing with accuracy.	EDUCATION GOAL #5	& independently within
so as to remain current	17			& across a variety of
with advances in medical				cultural contexts and a
laboratory science 4. To prepare students	MLS PROGRAM EDUC.	4. Evaluate problems that	UD GENERAL	spectrum of differences. 4. Critically evaluate the
	OBJ. # 18, 19, 20	impact on laboratory	EDUCATION GOALS #1,	ethical implications of
diverse, global society	, ,	services and take	3	what they say and do.
that demonstrates		corrective action.		
variations in intellectual expression and human				
creativity				
,		5. Operate equipment	UD GENERAL	5. Reason quantitatively,
		properly, troubleshoot,	EDUCATION GOALS #1,	computationally, and
		and perform preventive and corrective	5	scientifically.
		maintenance.		
		6. Utilize proper technique	UD GENERAL	
		in the performance of all	EDUCATION GOAL #5	
		laboratory testing. 7. Interpret clinical	UD GENERAL	
		significance, clinical	EDUCATION GOALS #1,	
		procedures, & laboratory	5	
		test data accurately.	LID CENEDAL	
		8. Evaluate laboratory data using statistical	UD GENERAL EDUCATION GOAL #5	
		analysis.	LLOGITION GOAL #3	
		9. Apply principles of	UD GENERAL	
		continuous assessment to	EDUCATION GOALS #1,	
		all laboratory services. 10. Utilize principles of	5 UD GENERAL	
		quality assurance and	EDUCATION GOALS #1,	
		quality improvement for all	2, 5	
		phase of laboratory		
		services (i.e. pre-analytical, analytical, & post-		
		analytical).		
		11. Comply with	UD GENERAL	
		established laboratory	EDUCATION GOALS #2,	
		safety regulations & regulations governing	4	
		regulatory compliance		
		related to laboratory		
		practice.	UD OFNES ::	
		12. Communicate through oral and written skills	UD GENERAL EDUCATION GOALS #2,	

	to enable consultative &		
	educational interactions		
	with healthcare personnel,		
	the public, & patients in		
	order to function		
	successfully as a member		
	of the healthcare team.		
	13. Demonstrate ethical	UD GENERAL	
	behavior &	EDUCATION GOAL #4	
	professionalism, maintain		
	confidentiality of patient		
	information, & participate		
	in continuing education for		
	one's own professional		
	career development.		
	14. Apply principles of	UD GENERAL	
	educational methodology	EDUCATION GOALS #2,	
	to educate providers &	3	
	users of laboratory		
	services.		
	15. Evaluate published	UD GENERAL	
	scientific studies utilizing	EDUCATION GOALS #1,	
	knowledge of research	5	
	design.	3	
	16. Apply principles &	UD GENERAL	
	concepts of laboratory	EDUCATION GOALS #1,	
	operations to critical	2, 3, 5	
	pathways and clinical	2, 3, 3	
	decision making,		
	performance improvement		
	dynamics of healthcare		
	delivery systems in relationship to laboratory		
	The state of the s		
	services, human resource		
	management & financial		
	management.	LID CENEDAL	
	17. Demonstrate a	UD GENERAL	
	commitment to the future	EDUCATION GOALS #1,	
	of the medical laboratory	3	
	profession through		
	involvement in a national		
	professional society.	LID CENEDA!	
	18. Demonstrate an	UD GENERAL	
	understanding of human	EDUCATION GOALS #1,	
	creativity & of various	2, 3	
	types of aesthetic &		
	intellectual expression		
	through study of the liberal		
	arts.	LID CENTER !	
	19. Demonstrate an	UD GENERAL	
	understanding of the	EDUCATION GOALS #1,	
	significance of cultural	3	
	diversity as exhibited		
	within the United States		
	through study of the liberal		
	arts including completion		
	of a multicultural course.		
	20. Demonstrate an	UD GENERAL	
	understanding of the	EDUCATION GOALS #1,	
	impact of globalization on	3	
	society through study of		
	the liberal arts.		
MLS Outcomes 2017		·	