

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

The Medical Laboratory Technician (MLT) is an important member of the health care team in hospitals, clinics, medical research and teaching centers and is an indispensable participant with physicians in providing critical diagnostic information. The MLT functions as a dependable, ambitious and highly motivated professional capable of handling high stress situations with ease and confidence.

The MLT performs diagnostic laboratory procedures using state-of-the-art instrumentation to aid in the detection, diagnosis and treatment of disease; monitors the standards of accuracy and precision in the performance of tests; performs routine preventive maintenance and troubleshoots instrument problems; and participates in research and evaluation of new procedures.

The Medical Laboratory Technology program is a two year program. It combines academic and laboratory courses on campus with practical experience at clinical affiliates. This program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS), 5600 N. River Road, Suite 720, Rosemont, IL 60018-5119, (847) 939-3597. Students successfully completing the program are eligible to take the National Certification examination.

Upon successful completion of the above, the student may apply to the State of Nevada for the required license as a Medical Technician.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate comprehension of concepts and techniques in all major clinical laboratory disciplines.
- Demonstrate the skills and abilities necessary to secure employment as a medical laboratory technician.
- Demonstrate the knowledge, skills, and abilities to successfully pass the national certification examination.

GENERAL EDUCATION REQUIREMENTS (31 Credits):

SPECIAL PROGRAM REQUIREMENTS (35 Credits):

	CR	SEMESTER		CR	SEMESTER
COMMUNICATIONS: ENG 102, 114	3-5	_____	CLS 151 Phlebotomy	2	_____
ENGLISH: ENG 100, 101, 113	3-5	_____	CLS 152 Applied Phlebotomy	2	_____
HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, 283, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____	CLS 153 Phlebotomy Clinical Practicum	2	_____
MATHEMATICS: MATH 124 or above	3	_____	CLS 161 Urinalysis and Body Fluids	1	_____
SCIENCE: BIOL 189 or 196 and CHEM 110, 111 or CHEM 121, 122	12	_____	CLS 162 Applied Urinalysis and Body Fluids	1	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	3	_____	CLS 241 Clinical Chemistry I	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____	CLS 242 Applied Clinical Chemistry I	2	_____
			CLS 251 Immunology/ Immunoematology I	2	_____
			CLS 252 Applied Immunology/ Immunoematology I	2	_____
			CLS 265 Laboratory Operations I	1	_____
			CLS 271 Clinical Microbiology I	3	_____
			CLS 272 Applied Clinical Microbiology I	2	_____
			CLS 291 Hematology I	2	_____
			CLS 292 Applied Hematology I	2	_____
			CLS 294 Clinical Practicum I	2	_____
			CLS 295 Clinical Practicum II	2	_____
			CLS 296 Clinical Practicum III	4	_____

This is a limited-entry program. Some of these courses are program prerequisites and MUST be completed before a student is considered eligible for entry into the Program. Students MUST attend a Health Programs orientation and meet with a Health Programs advisor for additional advisement.

MLTECH-AAS **66** Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF APPLIED SCIENCE

Guided Pathway
Associate of Applied Science (AAS) – Medical Laboratory Technician (MLT)
Total Credits 66

Spring Semester	Requirement	Credit Hours	Term
ENG 100, 101, 113	English	3-5	
MATH 124 or above*	Math	3	
BIOL 189 or 196**	Science	4	
Human Relations	Human Relations	3	
	TOTAL	13	
Fall Semester	Requirement	Credit Hours	Term
ENG 102, 114	English	3	
CHEM 110 or 121***	Science	4	
Fine Arts/Humanities	FA/Humanities	3	
US/NV Constitution	US/NV Constitution	4-6	
	TOTAL	14	
Spring Semester	Requirement	Credit Hours	Term
CLS 161	Program	1	
CLS 162	Program	1	
CLS 265	Program	1	
CLS 271	Program	3	
CLS 272	Program	2	
CHEM 111 or 122	Science	4	
	TOTAL	12	
Summer Semester	Requirement	Credit Hours	Term
CLS 294	Program	2	
	TOTAL	2	
Fall Semester	Requirement	Credit Hours	Term
CLS 151	Program	2	
CLS 152	Program	2	
CLS 153	Program	2	
CLS 241	Program	3	
CLS 242	Program	2	
	TOTAL	11	
Spring Semester	Requirement	Credit Hours	Term
CLS 251	Program	2	
CLS 252	Program	2	
CLS 291	Program	2	
CLS 292	Program	2	
	TOTAL	8	
Summer Semester	Requirement	Credit Hours	Term
CLS 295	Program	2	
CLS 296	Program	4	
	TOTAL	6	
	Degree TOTAL	66	

* Note-Prerequisite for Math 124 includes Math 096 or 097 with a grade of “C” or better; or a satisfactory ACT/SAT/Placement test score.

** Note – Students planning to apply to the BAS-MLS program should take BIOL 196.

*** Note – CHEM 121 requires MATH 127 or MATH 128 as prerequisite or concurrent enrollment. Also requires CHEM 103 or CHEM 110 or a passing score on the Chemistry Placement Exam.

**** Note – Due to the high rigor of the MLT program, it is highly recommended that students complete all general education requirements before applying to the program.

***** Note-CLS courses must be taken in the order indicated.

Comments _____
