

BACHELOR OF APPLIED SCIENCE

The Medical Laboratory Scientist (MLS) 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 MLS functions as a dependable, ambitious and highly motivated professional capable of handling high stress situations with ease and confidence.

The Medical Laboratory Scientist performs and interprets 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 maintenance; analyzes and corrects instrument problems; researches, evaluates and implements new procedures; and may be responsible for fiscal/personnel management of laboratory.

The Bachelor of Applied Science degree in Medical Laboratory Scientist combines academic and laboratory courses on campus with practical experience at clinical affiliate sites. The BAS in Medical Laboratory Scientist Program will seek program accreditation through the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS).

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 knowledge and skills necessary to perform and interpret complex laboratory procedures.
- Perform and interpret associated quality assurance procedures.
- Develop skills in leadership, resource management, research and teaching.
- Demonstrate entry-level competencies necessary to secure employment as a medical laboratory scientist.

GENERAL EDUCATION REQUIREMENTS (54 Credits):

	CR	SEMESTER
COMMUNICATIONS: ENG 100, 101, 113	3-5	_____
ENGLISH: ENG 102 or 114 and ENG 333	6	_____
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	_____
MATHEMATICS: MATH 124 or above	3	_____
SCIENCE: BIOL 196, 197, 214 or BIOL 214, 223, 224 and CHEM 110, 111, 220 or CHEM 121, 122, 220	23	_____
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 and ECON 261 and PHIL 302 and PHIL 311	12	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

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.

SPECIAL PROGRAM REQUIREMENTS (66 Credits):

	CR	SEMESTER
CLS 151 Phlebotomy	2	_____
CLS 152 Applied Phlebotomy	2	_____
CLS 153 Phlebotomy Clinical Practicum	2	_____
CLS 161 Urinalysis and Body Fluids	1	_____
CLS 162 Applied Urinalysis and Body Fluids	1	_____
CLS 241 Clinical Chemistry I	3	_____
CLS 242 Applied Clinical Chemistry I	2	_____
CLS 251 Immunology/Immunohematology I	2	_____
CLS 252 Applied Immunology/Immunohematology 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	_____
CLS 365 Laboratory Operations II	1	_____
CLS 446 Clinical Chemistry II	2	_____
CLS 447 Applied Clinical Chemistry II	1	_____
CLS 448 Hematology II	2	_____
CLS 449 Applied Hematology II	1	_____
CLS 456 Immunology/Immunohematology II	2	_____
CLS 457 Applied Immunology/Immunohematology II	1	_____
CLS 476 Clinical Microbiology II	2	_____
CLS 477 Applied Clinical Microbiology II	1	_____
CLS 478 Research Methods	2	_____
CLS 491 Clinical Practicum - Chemistry	4	_____
CLS 493 Clinical Practicum - Immunology/Immunohematology	4	_____
CLS 495 Clinical Practicum - Microbiology	4	_____
CLS 497 Clinical Practicum - Hematology	4	_____

120
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.