Job Description
The Medical laboratory Scientist (MLS) is an important member of the
care team in hospitals, clinics, medical research and teaching
centers, and 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 the laboratory.

Program Description
The College of Southern Nevada’s Medical Laboratory Scientist
Program is a four-year course of study that prepares students to work in
all areas of the laboratory (i.e., hematology, chemistry, blood bank,
immunology, microbiology and urinalysis). Courses in each of the
disciplines mentioned are presented in both lecture and laboratory
format. Additionally, students will be assigned to local laboratories to
obtain clinical experience. Upon successful completion of the program
the student is awarded a Bachelor of Applied Science Degree and
becomes eligible to take a national certification exam. * Students who
pass the certifying examination are eligible for Nevada licensure as a
Medical Technologist.

Accepted Students
Students accepted into the program will be required to show proof of
health insurance and immunization against Hepatitis B, Measles,
Mumps, Rubella, Varicella, Tetanus, Diphtheria, and Pertussis. Proof of
a negative TB skin test and negative urine drug screen will be required
prior to the first scheduled practicum/clinical experience. A physical
examination must also be completed. In addition, an official background
check is required.

Prospective students are advised that a prior felony conviction may
preclude subsequent licensure to practice as an MLS in Nevada
(NRS 652.220).

Approximate Costs
(Costs are subject to change)

Tuition:
67 credits x $102.75 per credit hr (lower div) ............. $6884.25
53 credits x $168.25 per credit hr (upper div) ........... $8917.25

Technology Fee per credit hr ........................................ $6.50
Student Union Fee per credit hr .................................... $9.00
Athletes & Recreation Fee per credit hr ......................... $2.00
Books ............................................................................ $1610.00

Lab Fees ....................................................................... $200.00
Lab Coat ........................................................................ $35.00

Physical Exam ............................................................. $50.00 - $75.00

Immunizations ................................................................ $0 - $600.00

Urine Drug Screen .......................................................... $35.00
Background Check ......................................................... $33.00
Document Manager (per year) ........................................ $18.00
Clinical Rotation Package ............................................... $10.00

Medical Insurance .............................................................. $20.00 - $190.00/month
Applies only if you are presently uninsured.

Nevada License .............................................................. $113.00
National Certification ...................................................... $150.00
College Admission Fee .................................................... $20.00

Non-Resident Fee ........................................................... $3395.00 per semester
One time, non-refundable fee charged to new students only.
This is in addition to the tuition and technology fee and is assessed to
nonresident students enrolling in 7 or more credits.

- Characterize the color, odor, clarity, and viscosity of biologicals,
  reagents, or chemical reaction products.
- Employ a clinical grade binocular microscope to discriminate among
  fine structural and color (hue, shading, and intensity) differences of
  microscopic specimens. Move freely and safely about a laboratory.
- Read and comprehend text, numbers, and graphs displayed in print and
  on a video monitor.
- Reach laboratory benches and shelves, patients lying in hospital beds
  or patients seated in specimen collection furniture.
- Travel to numerous clinical laboratory sites for practical experience.
- Perform moderately taxing continuous physical work, often requiring
  prolonged sitting, over several hours.
- Maneuver phlebotomy and culture acquisition equipment to safely
  collect valid laboratory specimens from patients.
- Control laboratory equipment (i.e., pipettes, inoculating loops, test
  tubes).
- Use an electronic keyboard to operate laboratory instruments and to
  calculate, record, evaluate, and transmit laboratory information.
- Read and comprehend technical and professional materials.
- Follow verbal and written instructions in order to correctly and
  independently perform laboratory test procedures.
- Effectively, confidentially, and sensitively converse with patients
  regarding laboratory tests.
- Communicate with faculty members, fellow students, staff, and other
  health care professionals verbally and in recorded format (writing,
  typing, graphics, or telecommunication).
- Independently prepare papers, laboratory reports, and take written,
  computer, and laboratory practical examinations
- Be able to manage the use of time and be able to systemize actions in
  order to complete professional and technical tasks within realistic
  constraints.
- Possess the emotional health necessary to effectively employ intellect
  and exercise appropriate judgment.
- Be able to provide professional and technical services while
  experiencing the stresses of task-related uncertainty.
- Be flexible and creative and adapt to professional and technical changes.
- Recognize potentially hazardous materials, equipment, and situations
  and proceed safely in order to minimize risk of injury to patients, self,
  and nearby individuals.

Hourly Wage Range ......................................................... $20.77 - $48.44
Source: “www.payscale.com” 2018

Accreditation
* The BAS in Medical Laboratory Scientist Program is accredited through the
National Accrediting Agency for Clinical Laboratory Sciences (NAACLS)
5600 N. River Rd., Ste 720
Rosemont, IL 60018-5119
(773)714-8880

Student Learning Outcomes
- Assess and correlate clinical and/or laboratory data through the
  application of theory and principles.
- Select appropriate courses of action in accordance with established
  laboratory procedures.
- Evaluate and perform full range of clinical laboratory procedures,
  including quality assurance and quality control procedures.
- Differentiate and resolve technical, instrument, and/or physiologic
  causes of unexpected or abnormal data.

Essential observational, movement, communication, and behavioral
requirements for MLSs.
The MLS student must be able to:
- Observe laboratory demonstrations in which biologicals (i.e., fluids,
  culture materials, tissue sections, and cellular specimens) are tested for
  their biochemical, hematological, immunological, microbiological, and
  histochemical components.

The information provided in this literature is for advisement purposes only.
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MLS-CSN Spring 2021 / 9/2019