

# Medical Laboratory Science, BS

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## BS Medical Laboratory Science Program Learning Outcomes

At the successful conclusion of this program, students will be able to:

1. Perform a full range of testing encompassing the pre-analytical, analytical, and post-analytical components of contemporary laboratory services in areas that include clinical chemistry, hematology/hemostasis, immunology, immunohematology/transfusion medicine, microbiology, urine and body fluid analysis, and emerging diagnostics.
2. Apply management concepts and leadership skills, taking responsibility for analysis and decision-making, and the effective communication of valid test information wherever laboratory testing is researched, developed or performed.
3. Participate in the development, implementation, and evaluation of test systems and interpretive algorithms.
4. Employ relevant experience in research design and practice.
5. Demonstrate ethical and moral attitudes, principles of lawful conduct, and commitment to continuing professional development necessary for gaining and maintaining the confidence of patients, professional associates, and the community.
6. Adhere to safety, governmental regulations and standards as applied to medical laboratory practice.
7. Project an image of professionalism, respect the feelings and needs of others, protect the confidence of patient information, and never allow personal concerns and biases to interfere with the welfare of patients nor the work of colleagues and members of the healthcare team caring for patients.