

# MLS HANDBOOK: CAREER ENTRY COMPETENCIES

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## CU 10.0: Career Entry Competencies

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### PURPOSE

To describe career entry competencies expected of our Medical Laboratory Science graduates.

### COMPETENCIES

After successful completion of the curriculum in all major clinical laboratory areas\*, the graduates are able to:

1. Develop clinical procedures for pre-analytical, analytical and post-analytical test phases
2. Process specimens, evaluate specimen suitability, and resolve pre-analytical problems.
3. Perform clinical laboratory tests accurately and efficiently.
4. Perform quality control, troubleshoot quality control problems, and take appropriate corrective action if indicated.
5. Interpret clinical laboratory data, correlate results to available patient information, confirm result validity, recognize discrepancies, and take appropriate corrective action if indicated.
6. Participate in equipment and instrument preventive maintenance and minor troubleshooting.
7. Communicate complete, concise, and understandable test results to appropriate parties, including application of current laboratory information systems (LIS).
8. Apply principles of research and method evaluation to develop, evaluate, and select new test methods for implementation within the laboratory.
9. Follow safety and governmental regulations/standards as applied to the clinical laboratory.
10. Exercise professional behaviors and ethical conduct.
11. Communicate effectively to serve the needs of patients, laboratory professionals, healthcare team members, and the community.
12. Demonstrate life-long learning to foster expertise in MLS theory and application.
13. Apply principles of educational methodology in educating healthcare personnel and the community regarding clinical laboratory topics.
14. Apply basic principles of clinical laboratory management and leadership.
15. Apply quality assurance and performance improvement initiatives.
16. Actively advocate for the profession.

\*Core laboratory (clinical chemistry, hematology, hemostasis), immunohematology, microbiology, urinalysis and body fluids, molecular, parasitology, mycology

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