

MASTER OF SCIENCE IN MEDICAL LABORATORY SCIENCE

Effective Academic Year 2025-2026

A. Core Courses (9 units)

| Course Code | Course Title | Units |
|-------------|---|-------|
| MLS 511 | Foundations of Medical Laboratory Science: Philosophy, Theory, and Ethics in Modern Diagnostics | 3 |
| MLS 512 | Research Methods in Health Sciences | 3 |
| MLS 513 | Biostatistics with Computer Aided Analysis | 3 |

B. Professional Courses (15 units)

| Course Code | Course Title | Units |
|-------------|---|-------|
| MLS 514 | Advanced Clinical Biochemistry | 3 |
| MLS 515 | Advanced Hematology and Hemostasis | 3 |
| MLS 516 | Advanced Immunohematology | 3 |
| MLS 517 | Advanced Immunology and Immunochemistry | 3 |
| MLS 518 | Advanced Clinical Microbiology | 3 |
| MLS 519 | Advanced Topics in Medical Laboratory Science | 3 |
| MLS 520 | Molecular Diagnostics | 3 |
| MLS 521 | Human Resource Management in Healthcare and Laboratory Settings | 3 |
| MLS 522 | Laboratory Management and Quality Assurance | 3 |
| MLS 523 | Point-of-Care Testing (POCT) and Decentralized Diagnostics | 3 |

C. Cognates/Electives (6 units)

| Course Code | Course Title | Units |
|-------------|--|-------|
| MLS 524 | Health Policy and Strategic Management in Healthcare Systems | 3 |
| MLS 525 | Strategic Marketing and Business Development in Clinical Laboratory Services | 3 |
| MLS 526 | Educational Strategies in Medical Laboratory Science | 3 |
| MLS 527 | Regulatory Compliance and Laboratory Accreditation | 3 |

D. Thesis Writing (9 units)

| Course Code | Course Title | Units |
|-------------|---|-------|
| TW1 | Thesis Writing 1 (Thesis Seminar with Proposal Defense) | 3 |
| TW2 | Thesis Writing 2 (Thesis Writing with Final Defense) | 3 |
| TW3 | Thesis Writing 3 (Thesis Presentation and Publication) | 3 |

* MSMLS students have to take and pass the Comprehensive Examination before he/she be allowed to enroll Thesis Writing 1.

** Granting the title Master of Science in Medical Laboratory Science follows the Final Defense, submission of the hardbound & soft copies of thesis, research presentation and publication.