

Medical Laboratory Technician • January Start

Semester Course Outline • 2024 – 2025

20 Months (4 Semesters, 1 Summer Session) • Revised: 2/2/24

Associate of Applied Science (A.A.S.) Degree • Credits Required for Graduation: 71.5



First Year – Spring Semester

| Course Number | Course Title | Clock Hours | Credits |
|---------------|------------------------------------|-------------|---------|
| MLT 101 | Introduction to Medical Laboratory | 56 | 2 |
| MLT 116 | Hematology I | 56 | 2 |
| MLT 118 | Clinical Microbiology I | 84 | 3 |
| MA 115 | Medical Terminology | 45 | 3 |
| MICRO 231 | General Microbiology * | 90 | 4 |
| ANAT 142 | Anatomy * | 45 | 3 |
| Total | | 376 | 17 |

First Year – Summer Session

| Course Number | Course Title | Clock Hours | Credits |
|------------------------------|---|-------------|---------|
| CSC 100 | Computer Concepts | 15 | 1 |
| PSYC 101 | General Psychology * | 45 | 3 |
| • CMST 101 or ENGL 101 | Foundations of Communication * or Composition * | 45 | 3 |
| Total | | 105 | 7 |

First Year – Fall Semester

| Course Number | Course Title | Clock Hours | Credits |
|---------------|-----------------------------|-------------|---------|
| MLT 105 | Urinalysis and Body Fluids | 98 | 3.5 |
| MLT 135 | Principles of Phlebotomy | 56 | 2 |
| MLT 212 | Hematology II | 84 | 3 |
| MLT 215 | Clinical Chemistry | 112 | 4 |
| MLT 217 | Clinical Microbiology II | 56 | 2 |
| CHEM 106 | Inorganic Chemistry Lecture | 45 | 3 |
| CHEM 106L | Inorganic Chemistry Lab | 45 | 1 |
| Total | | 496 | 18.5 |



Second Year – Spring Semester

| Course Number | Course Title | Clock Hours | Credits |
|------------------------------|---|-------------|---------|
| MLT 125 | Seminar | 14 | .5 |
| MLT 201 | Immunology | 112 | 4 |
| MLT 205 | Applied Phlebotomy | 28 | 1 |
| MLT 221 | Immunoematology (Blood Banking) | 112 | 4 |
| CSS 100 | Career Search Strategies | 8 | .5 |
| • ECON 105 or SOC 100 | Leadership in the Global Workplace or Introduction to Sociology * | 45 | 3 |
| • MATH 101 or MATH 114 | Intermediate Algebra or College Algebra * | 45 | 3 |
| Total | | 364 | 16 |

Second Year – Fall Semester (Clinical Practicum)

| Course Number | Course Title | Clock Hours | Credits |
|---------------|--|-------------|---------|
| MLT 226 | Practicum I: General Lab Practice, Phlebotomy, Hematology, Chemistry, Urinalysis (9 weeks) | 360 | 6 |
| MLT 231 | Practicum II: Microbiology, Immunology, and Immunoematology (9 weeks) (Includes Sim Lab on campus for 3 weeks) | 360 | 6 |
| MLT 236 | Practicum Correlation | 15 | 1 |
| Total | | 735 | 13 |

NOTE: Hematology I and Clinical Microbiology I have to be completed before students can be registered for Hematology II and Clinical Microbiology II.

NOTE: Clinical Practicum I, II, and Practicum Correlation will be taken when all previous course work (including generals) have been completed.

- Students will select a course in each of the areas listed to meet general education requirements. Courses marked with an asterisk (*) can be transferred directly to the university system.