

# Medical Laboratory Technician • Part-Time Hybrid E-Degree

## Semester Course Outline • 2021 – 2022

23 Months (4 Semesters of Part-time MLT Enrollment, 1 Semester Full-time Practicum)

Prerequisite General Course Completion • Fall Start • Revised: 6/21/21

Associate of Applied Science (A.A.S.) Degree • Credits Required for Graduation: 70.5



### Prerequisite for the Medical Laboratory Program

#### First Fall Semester

| Course Number                | Course Title  | Clock Hours | Credits |
|------------------------------|---|-------------|---------|
| CHEM 106                     | Inorganic Chemistry Lecture                                       | 45          | 3       |
| CHEM 106L                    | Inorganic Chemistry Lab   | 45          | 1       |
| • ECON 105<br>or<br>SOC 100  | Leadership in the Global Workplace<br>Introduction to Sociology * | 45          | 3       |
| • MATH 101<br>or<br>MATH 114 | Intermediate Algebra<br>College Algebra *                         | 45          | 3       |
| Total                        |   | 180         | 10      |

#### First Spring Semester

| Course Number | Course Title                         | Clock Hours | Credits |
|---------------|--------------------------------------|-------------|---------|
| ANAT 142      | Anatomy (9 labs to attend on campus) | 45          | 3       |
| MA 115        | Medical Terminology                  | 45          | 3       |
| MICRO 231     | General Microbiology                 | 90          | 4       |
| Total         |                                      | 180         | 10      |

#### First Summer Session

| Course Number                | Course Title                              | Clock Hours | Credits |
|------------------------------|---|-------------|---------|
| PSYC 101                     | General Psychology *                      | 45          | 3       |
| • CMST 101<br>or<br>ENGL 101 | Fundamentals of Speech *<br>Composition * | 45          | 3       |
| Total                        |   | 90          | 6       |

**NOTE:** If a student has completed all their general education requirements, MLT 101 and MA 115 may be taken with their first semester of MLT classes.

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

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**Second Fall Semester**

| Course Number | Course Title                       | Clock Hours | Credits |
|---------------|------------------------------------|-------------|---------|
| MLT 101       | Introduction to Medical Laboratory | 56          | 2       |
| MLT 105       | Urinalysis and Body Fluids         | 98          | 3.5     |
| MLT 215       | Clinical Chemistry                 | 112         | 4       |
| <b>Total</b>  |                                    | 266         | 9.5     |

**Second Spring Semester**

| Course Number | Course Title            | Clock Hours | Credits |
|---------------|-------------------------|-------------|---------|
| MLT 116       | Hematology I            | 56          | 2       |
| MLT 118       | Clinical Microbiology I | 84          | 3       |
| MLT 201       | Immunology              | 112         | 4       |
| <b>Total</b>  |                         | 252         | 9       |

**Third Fall Semester**

| Course Number | Course Title  | Clock Hours | Credits |
|---------------|---|-------------|---------|
| MLT 135       | Principles of Phlebotomy  | 28          | 1       |
| MLT 212       | Hematology II (Can only be taken <b>after</b> MLT 116)            | 84          | 3       |
| MLT 217       | Clinical Microbiology II (Can only be taken <b>after</b> MLT 118) | 56          | 2       |
| CSC 100       | Computer Concepts   | 15          | 1       |
| <b>Total</b>  |   | 183         | 7       |

**Third Spring Semester**

| Course Number | Course Title  | Clock Hours | Credits |
|---------------|---|-------------|---------|
| MLT 125       | Seminar   | 14          | .5      |
| MLT 205       | Applied Phlebotomy (Can only be taken <b>after</b> MLT 135) | 28          | 1       |
| MLT 221       | Immunohematology (Blood Banking)                            | 112         | 4       |
| CSS 100       | Career Search Strategies                                    | 8           | .5      |
| <b>Total</b>  |   | 162         | 6       |

| Clinical Practicum – (Taken when all other courses are completed – including generals) |   |             |         |
|--|---|-------------|---------|
| 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 Immunohematology (9 weeks) (Includes Sim Lab on campus for 2 weeks) | 360         | 6       |
| MLT 236  | Practicum Correlation   | 15          | 1       |
| <b>Total</b>   |   | 735         | 13      |

- 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.