**Medical Laboratory Technology (\**Awarded by J. Sargeant Reynolds Community College)***

**Catalog Year: 2023-2024**

**Developmental Requirements: Satisfy/Finish MTE 5/9 AND Satisfy/Finish ENF 3**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Grade/Semester  Completed | |  | | Course # |  | Course Title | Cr |
|  |  | | **First Semester** | | | | |
| / | |  | | SDV 100 |  | College Success Skills | 1 |
| / | |  | | MTT 155/1611 |  | Statistical Reasoning OR Precalculus I1 | 3 |
| / | |  | | CHM 1012\* |  | Introductory Chemistry2 OR College Chemistry I2 | 4 |
| / | |  | | BIO 101\*/BIO 141 |  | General Biology I OR Anatomy and Physiology I | 4 |
| / | |  | | ENG 111 |  | College Composition I | 3 |
| / | |  | | MDL 100 |  | Introduction to Medical Laboratory Technology | 2 |
|  | |  | |  |  | **Total** | **17** |
|  |  | | **Second Semester** | | | | |
| / | |  | | ITE 115\* |  | Introduction to Computer Applications and Concepts | 3 |
| / | |  | |  |  | Social/Behavioral Science Elective3 | 3 |
| / | |  | | MDL 1254 |  | Clinical Hematology I | 3 |
| / | |  | | MDL 2514 |  | Clinical Microbiology I | 3 |
| / | |  | | BIO 102\*/BIO 142 |  | General Biology II OR Anatomy and Physiology II | 4 |
| / | |  | |  |  | Personal Wellness Elective3 | 1 |
|  | |  | |  |  | **Total** | **17** |
|  |  | | **Third Semester (Summer)** | | | | |
| / | |  | | MDL 1905 |  | Coordinated Internship in Phlebotomy | 2 |
| / | |  | | MDL 210 |  | Immunology and Serology | 3 |
| / | |  | |  |  | \*Humanities/Fine Arts Elective3 | 3 |
| / | |  | | MDL 110 |  | Urinalysis and Body Fluids | 3 |
|  | |  | |  |  | **Total** | **11** |
|  |  | | **Fourth Semester** | | | | |
| / | |  | | MDL 2166 |  | Blood Banking | 3 |
| / | |  | | MDL 2257 |  | Clinical Hematology II | 3 |
| / | |  | | MDL 2527 |  | Clinical Microbiology II | 3 |
| / | |  | | MDL 2628 |  | Clinical Chemistry and Instrumentation II | 4 |
|  | |  | |  |  | **Total** | **13** |
|  |  | | **Fifth Semester** | | | | |
| / | |  | | MDL 2818 |  | Clinical Correlations (online course) | 1 |
| / | |  | | MDL 2905,9 |  | Coordinated Practice in Blood Bank/Transfusion Medicine | 2 |
| / | |  | | MDL 2905,9 |  | Coordinated Practice in Clinical Chemistry | 2 |
| / | |  | | MDL 2905,9 |  | Coordinated Practice in Hematology | 2 |
| / | |  | | MDL 2905,9 |  | Coordinated Practice in Microbiology | 2 |
|  | |  | |  |  | **Total** | **9** |
|  | |  | |  |  |  |  |
| Total Completed | |  | |  |  |  | 67 |

\* This course is included in the Pre-Medical Laboratory Technology Career Studies Certificate.

1MTH 155 meets the graduation requirement for the A.A.S. degree in Medical Laboratory Technology. Students planning to pursue a four-year degree should take MTH 161.

2CHM 101 meets the graduation requirement for the A.A.S. degree in Medical Laboratory Technology. Students planning to pursue a four-year degree should take CHM 111.

3A list of approved general education electives (humanities/fine arts, social/behavioral science, mathematics, science and personal wellness) is provided in the General Education section of the J. Sargeant Reynolds catalog under Curriculum Planning and Design.

4This course is offered only in the spring term.

5For actual student contact laboratory hours per week for MDL 190 and MDL 290 courses, please refer to the course descriptions.

6MDL 210 is a prerequisite or co-requisite for MDL 216.

7This course is offered only in the fall term.

8CHM 101 or CHM 111 is a prerequisite or co-requisite for MDL 262.

9The final semester consists of clinical rotations with area hospitals or clinics.