



**MLT-130 Clinical Chemistry I 4 (3-3) Spring****Prerequisites:** None**Corequisites:** None

This course introduces the quantitative analysis of blood and body fluids and their variations in health and disease. Topics include clinical biochemistry, methodologies, instrumentation, and quality control. Upon completion, students should be able to demonstrate theoretical comprehension of clinical chemistry, perform diagnostic techniques, and correlate laboratory findings with disorders. (1997 SU)

**MLT-140 Intro to Microbiology 3 (2-3) Fall****Prerequisites:** None**Corequisites:** None

This course introduces basic techniques and safety procedures in clinical microbiology. Emphasis is placed on the morphology and identification of common pathogenic organisms, aseptic technique, staining techniques, and usage of common media. Upon completion, students should be able to demonstrate theoretical comprehension in performing and interpreting basic clinical microbiology procedures. (1997 SU)

**MLT-215 Professional Issues 1 (1-0) Spring****Prerequisites:** None**Corequisites:** None

This course surveys professional issues in preparation for career entry. Emphasis is placed on work readiness and theoretical concepts in microbiology, immunohematology, hematology, and clinical chemistry. Upon completion, students should be able to demonstrate competence in career entry-level areas and be prepared for the national certification examination. (1997 SU)

**MLT-220 Hematology/Hemostasis II 3 (2-3) Spring****Prerequisites:** None**Corequisites:** None

This course covers the theories and techniques used in the advanced analysis of human blood cells and hemostasis. Emphasis is placed on the study of hematologic disorders, abnormal cell development and morphology, and related testing. Upon completion, students should be able to demonstrate a theoretical comprehension and application of abnormal hematology and normal and abnormal hemostasis. (1997 SU)

**MLT-240 Special Clin Microbiology 3 (2-3) Spring****Prerequisites:** MLT-140<sup>S</sup>**Corequisites:** None

This course is designed to introduce special techniques in clinical microbiology. Emphasis is placed on advanced areas in microbiology. Upon completion, students should be able to demonstrate theoretical comprehension in performing and interpreting specialized clinical microbiology procedures. (1997 SU)

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| <b>MLT-251</b>                                                                                                                                                                                                                                    | <b>MLT Practicum I</b>   | <b>1 (0-0-3) Fall<br/>Spring</b> |
| <b>Prerequisites:</b>                                                                                                                                                                                                                             | None                     |                                  |
| <b>Corequisites:</b>                                                                                                                                                                                                                              | None                     |                                  |
| This course provides entry-level clinical laboratory experience. Emphasis is placed on technique, accuracy, and precision. Upon completion, students should be able to demonstrate entry-level competence on final clinical evaluations.(1997 SU) |                          |                                  |
| <b>MLT-253</b>                                                                                                                                                                                                                                    | <b>MLT Practicum I</b>   | <b>3 (0-0-9) Fall<br/>Spring</b> |
| <b>Prerequisites:</b>                                                                                                                                                                                                                             | None                     |                                  |
| <b>Corequisites:</b>                                                                                                                                                                                                                              | None                     |                                  |
| This course provides entry-level clinical laboratory experience. Emphasis is placed on technique, accuracy, and precision. Upon completion, students should be able to demonstrate entry-level competence on final clinical evaluations.(1997 SU) |                          |                                  |
| <b>MLT-261</b>                                                                                                                                                                                                                                    | <b>MLT Practicum II</b>  | <b>1 (0-0-3) Fall<br/>Spring</b> |
| <b>Prerequisites:</b>                                                                                                                                                                                                                             | None                     |                                  |
| <b>Corequisites:</b>                                                                                                                                                                                                                              | None                     |                                  |
| This course provides entry-level clinical laboratory experience. Emphasis is placed on technique, accuracy, and precision. Upon completion, students should be able to demonstrate entry-level competence on final clinical evaluations.(1997 SU) |                          |                                  |
| <b>MLT-262</b>                                                                                                                                                                                                                                    | <b>MLT Practicum II</b>  | <b>2 (0-0-6) Fall<br/>Spring</b> |
| <b>Prerequisites:</b>                                                                                                                                                                                                                             | None                     |                                  |
| <b>Corequisites:</b>                                                                                                                                                                                                                              | None                     |                                  |
| This course provides entry-level clinical laboratory experience. Emphasis is placed on technique, accuracy, and precision. Upon completion, students should be able to demonstrate entry-level competence on final clinical evaluations.(1997 SU) |                          |                                  |
| <b>MLT-263</b>                                                                                                                                                                                                                                    | <b>MLT Practicum II</b>  | <b>3 (0-0-9) Fall<br/>Spring</b> |
| <b>Prerequisites:</b>                                                                                                                                                                                                                             | None                     |                                  |
| <b>Corequisites:</b>                                                                                                                                                                                                                              | None                     |                                  |
| This course provides entry-level clinical laboratory experience. Emphasis is placed on technique, accuracy, and precision. Upon completion, students should be able to demonstrate entry-level competence on final clinical evaluations.(1997 SU) |                          |                                  |
| <b>MLT-273</b>                                                                                                                                                                                                                                    | <b>MLT Practicum III</b> | <b>3 (0-0-9) Fall<br/>Spring</b> |
| <b>Prerequisites:</b>                                                                                                                                                                                                                             | None                     |                                  |
| <b>Corequisites:</b>                                                                                                                                                                                                                              | None                     |                                  |
| This course provides entry-level clinical laboratory experience. Emphasis is placed on technique, accuracy, and precision. Upon completion, students should be able to demonstrate entry-level competence on final clinical evaluations.(1997 SU) |                          |                                  |