

This program roadmap represents one possible pathway to complete the program. Please see a counselor to create an education plan that is customized to meet your needs. This roadmap is not a guarantee of course availability or financial aid applicability. For counseling appointments call 916.608.6510.

Total Units: 22

## First Year

### Semester 1 (Spring) 10 Units

COURSE	UNITS	PRE-REQS <sup>^</sup>	SEMESTERS OFFERED*
<b>MEDTEC 323</b> Clinical Chemistry	5	CHEM 401 OR CHEM 421	Spring
<b>MEDTEC 330</b> Hematology	5	BIOL 400	Spring

### Semester 2 (Summer) 2 Units

COURSE	UNITS	PRE-REQS <sup>^</sup>	SEMESTERS OFFERED*
<b>MEDTEC 324</b> Urine and Body Fluid Analysis	2	BIOL 400	Summer Only

## SECOND YEAR

### Semester 3 (FALL) 10 Units

COURSE	UNITS	PRE-REQS <sup>^</sup>	SEMESTERS OFFERED*
<b>MEDTEC 340</b> Immunology and Immunochemistry	5	CHEM 401 OR CHEM 421	Fall
<b>MEDTEC 350</b> Clinical Microbiology	5	BIOL 440	Fall

### Notes:

- The Pre-Clinical Laboratory Scientist Trainee certificate aims to guide individuals who are hoping to become a licensed Clinical Laboratory Scientist (CLS) in the State of California. This certificate provides a clear path for individuals interested in pursuing entry into a CLS program. The Pre-Clinical Laboratory Scientist Trainee certificate does not grant entry into any CLS Program.

- More information on this process can be on the MLT Department webpage:

<https://www.flc.losrios.edu/academics/medicine/technology-department>.

- The required didactic curriculum prepares individuals to perform basic clinical laboratory procedures in chemistry, hematology, microbiology, immunochemistry, and immunology. Course work emphasizes mathematical and scientific concepts related to specimen collection, laboratory testing and procedures, quality assurance and reporting/recording and interpreting findings involving tissues, blood, and body fluids.

- MEDTEC 323 and MEDTEC 330 are only offered in Spring

**Zero Textbook Costs (ZTC):**

The Zero Textbook Costs designation and logo are added to any course that provides free access to all required instructional materials. These are typically shared with students through Canvas. Courses that are designated as ZTC may still require students to purchase supplemental materials such as lab coats, a calculator, art supplies, etc. See full definitions and searching tips on the [Zero Textbook Costs page](#) of the college website.

Catalog Year: 2026-2027  
Published April 22, 2026