



# Medical Laboratory Technician A.S. Degree - Fall 2025 Catalog Rights

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. **ATTENTION:** General Education requirements have changed for the 2025-2026 academic year. Please see [GE guidance page](#) for more information on the different pathways.

Total Units: 60

## First Year

### Semester 1 (Spring)

15 Units

| COURSE  | UNITS | PRE-REQS^               | SEMESTERS OFFERED* | GE AREA |
|---|-------|-------------------------|--------------------|---------|
| <b>MEDTEC 310</b><br>Introduction to Medical Laboratory Techniques and Skin Punctures | 2     |                         | S                  |         |
| <b>MEDTEC 323</b><br>Clinical Chemistry   | 5     | CHEM 401<br>OR CHEM 421 | S                  |         |
| <b>MEDTEC 330</b><br>Hematology   | 5     | BIOL 400                | F, S               |         |
| <b>ENGL C1000</b> <sup>Z</sup><br>Academic Reading and Writing <b>or</b>              | 3     |                         | F, S               | L1A     |
| <b>ENGL C1000H</b><br>Academic Reading and Writing - Honors                           | 3     |                         | F, S               | L1A     |

<sup>Z</sup> At least one section of this course is offered with free textbooks and is labeled as zero textbook costs (ZTC). If it is a GE area class or elective, there may be several ZTC offerings to fulfill the GE requirement. Use the Free Textbook filter to find these courses. Learn more on the [ZTC page of the college website](#).

### Semester 2 (Summer)

9 Units

| COURSE   | UNITS | PRE-REQS^ | SEMESTERS OFFERED* | GE AREA |
|--|-------|-----------|--------------------|---------|
| <b>MEDTEC 324</b><br>Urine and Body Fluid Analysis             | 2     | BIOL 400  | Summer             |         |
| <b>Social/Behavioral Science</b> <sup>Z</sup>                  | 3     |           | F, S               | L4      |
| <b>Ethnic Studies</b>  | 3     |           | F, S               | L6      |
| <b>Living Skills: Physical Education Activity</b> <sup>Z</sup> | 1     |           | F, S               | L7A     |

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## Notes

**ATTENTION:** General Education requirements have changed for the 2025-2026 academic year. Please see [GE guidance page](#) for more information on the different pathways. For the previous academic year see [General Education requirements](#).

- FLC 2025-2026 [AA/AS](#) General Education requirements.
- A degree applicable elective is defined as any class with a course number between 100 and 499.
- Some English and math courses have support courses (co-requisites). See your assessment results for more details.
- Students may earn credit for College Entrance Board Advanced Placement (AP) tests with scores of 3, 4, or 5. AP scores can be used to meet Folsom Lake College associate degree general education, CSU, UC, and other 4 year University requirements --Check with your counselor to determine whether these test results will be accepted at the transfer institution of your choice.
- Students already in possession of a valid phlebotomy certificate need not enroll in the phlebotomy courses, MEDTEC 311 and MEDTEC 312

## Program Notes:

## Second Year

### Semester 3 (Fall)

18 Units

| COURSE  | UNITS | PRE-REQS <sup>A</sup>   | SEMESTERS OFFERED* | GE AREA |
|---|-------|-------------------------|--------------------|---------|
| <b>MEDTEC 340</b><br>Immunology and Immunochemistry                         | 5     | CHEM 401<br>OR CHEM 421 | F                  |         |
| <b>MEDTEC 350</b><br>Clinical Microbiology                                  | 5     | BIOL 440                | F                  |         |
| <b>MEDTEC 311<sup>1</sup></b><br>Advanced Phlebotomy<br>Venipuncture Skills | 2     | MEDTEC 310              | F                  |         |
| <b>Arts and Humanities</b> <sup>Z</sup>                                     | 3     |                         | F, S               | L3      |
| <b>Living Skills: Life Development Skills</b> <sup>Z</sup>                  | 3     |                         | F, S               | L7B     |

<sup>Z</sup> At least one section of this course is offered with free textbooks and is labeled as zero textbook costs (ZTC). If it is a GE area class or elective, there may be several ZTC offerings to fulfill the GE requirement. Use the Free Textbook filter to find these courses. Learn more on the [ZTC page of the college website](#).

<sup>1</sup> Students that hold a valid and current California Phlebotomist certificate (CPT-1) are not required to take MEDTEC 311 or MEDTEC 312 while participating in the Medical Laboratory Technician Program. Per the State of California, students without a valid and current CPT-1 certificate are required to take MEDTEC 311 and MEDTEC 312 as part of their Medical Laboratory Technician training.

### Semester 4 (Spring)

18 Units

| COURSE  | UNITS | PRE-REQS <sup>A</sup> | SEMESTERS OFFERED* | GE AREA |
|---|-------|-----------------------|--------------------|---------|
| <b>MEDTEC 312<sup>1</sup></b><br>Phlebotomy Clinical Internship | 2     | MEDTEC 311            | F, S               |         |
| <b>MEDTEC 360</b><br>Chemistry and Urinalysis Practicum         | 4     | MEDTEC 323            | F, S               |         |
| <b>MEDTEC 361</b><br>Hematology and Hemostasis Practicum        | 4     | MEDTEC 330            | F, S               |         |
| <b>MEDTEC 362</b><br>Immunology and Immunochemistry Practicum   | 4     | MEDTEC 340            | F, S               |         |
| <b>MEDTEC 363</b><br>Microbiology Practicum                     | 4     | MEDTEC 350            | F, S               |         |

<sup>1</sup> Students that hold a valid and current California Phlebotomist certificate (CPT-1) are not required to take MEDTEC 311 or MEDTEC 312 while participating in the Medical Laboratory Technician Program. Per the State of

**To be eligible for enrollment in the program, the student must meet the following criteria:**

- Complete the application process for enrollment in the MLT program.

- Acceptance into the MLT program and completion of all of the following eligibility criteria with a grade of "C" or better. All Program prerequisites must be completed before the start of the first MLT class.

-CHEM 400 - General Chemistry I, or  
CHEM 420 - Organic Chemistry I

-CHEM 401 - General Chemistry II, or  
CHEM 421 - Organic Chemistry II

-BIOL 400 - Principles of Biology and  
BIOL440 -General Microbiology

(Satisfy General Ed Area L5)

-STAT 300 - Introduction to Probability and Statistics, or PSYC 330 - Introductory Statistics for the Behavioral Sciences

(Satisfy General Ed Area L2)

-COMM 321 - Interpersonal Communication (preferred), or COMM 301 - Introduction to Public Speaking, or COMM 311 - Argumentation and Debate, or COMM 331 - Group Discussion, or COMM 361 - The Communication Experience.

(Satisfy General Ed Area L1B)

-AH 311 - Medical Language for Health-Care Providers, or licensure/certification in a medically-related field (e.g. Phlebotomist, Radiology Technician, Respiratory Therapist, Pharmacy Technician, Nurse), or graduation from an Allied

California, students without a valid and current CPT-1 certificate are required to take MEDTEC 311 and MEDTEC 312 as part of their Medical Laboratory Technician training.

Health Program or Degree; subject to approval by the MLT Program Director.

### **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.

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