

HEALTH SCIENCES

GUIDED PATHWAY: MEDICAL LABORATORY TECHNOLOGY

For more information, visit www.dcccd.edu/MedLab and your academic advisor at El Centro College.

This is an example course sequence for students interested in pursuing Medical Laboratory Technology. It does not represent a contract, nor does it guarantee course availability. Following this pathway will help you earn an Associate of Applied Science (AAS) degree in Medical Laboratory Technology ^{ii,iii}. For official degree requirements, [click here](#).

The Medical Laboratory Technology program is a two-year AAS degree program with a [competitive admissions process](#). This program prepares you to perform tests and related duties in a medical laboratory. The program is a balanced curriculum of science, liberal arts, and technical courses including didactic and clinical education. Upon completion of the program, you will be awarded an Associate of Applied Science Degree and are qualified to take the Board of Certification for the American Society of Clinical Pathologists (ASCP). Gainful employment information for this degree can be found at www.dcccd.edu/gainfulemp. Courses that complete the Degree (D) are noted below.

Visit www.ntxccc.org/pathways to view guided pathways created for students who complete an AAS degree and the options for transfer to complete a Bachelor of Applied Arts and Science. Speak with an academic advisor at your college to choose courses that will help you to transfer to a specific university.



COLLEGE READINESS REQUIREMENTS (only for the AAS)

Enrolling in one or more courses may be necessary if assessment activities and previous academic experiences indicate a need for additional knowledge and skills:

PROGRAM SPECIFIC REQUIREMENTS ⁱⁱⁱ

READING & WRITING PLACEMENT **MATH PLACEMENT** **ENGLISH LANGUAGE PROFICIENCY**

TSI READING MET: YES NO TSI MATH MET: YES NO ENGLISH PROFICIENCY: YES NO
 TSI WRITING MET: YES NO
 IF TSI OR ENGLISH LANGUAGE PROFICIENCY NOT MET, INSERT COURSE(S) NEEDED

- Completion of one of the following:**
- 1 Completion of six Health Professions Readiness courses that satisfy the Health Professions Readiness I & II Skills Achievement Awards.
 - 2 Two years' employment as a healthcare worker within a medical related laboratory **AND** Direct patient care experience within the last 5 years
 - 3 Current credential in a healthcare profession (e.g., RN, Medical Assisting, Radiography, Paramedic, LVN, etc.)

DREA/DWRI/DIRW (Circle One) _____

OTHER: _____

DMAT _____

OTHER: _____

ESOL _____

OTHER: _____

Exemptions/waivers may exist. Speak with an academic advisor regarding placement in college readiness courses and your ability to enroll in core academic coursework.

SEMESTER-BY-SEMESTER MAP FOR FULL-TIME STUDENTS ^{iv}

ALL PLANS CAN BE MODIFIED TO FIT THE NEEDS OF PART-TIME STUDENTS ^v

D	PREREQUISITE SEMESTER 1 (FALL) ^v	ACTION ITEMS
◆	BIOL 2401 – Anatomy and Physiology I ^{vi} (core course)	<input type="checkbox"/> Meet with your advisor to confirm academic and career goals before the end of the semester. <input type="checkbox"/> Meet with a career advisor or coach to research your career options and opportunities for job shadowing.
◆	MATH 1314 – College Algebra (core course)	
◆	ENGL 1301 – Composition I (core course)	
◆	SPCH 1311 – Introduction to Speech Communication OR	
◆	SPCH 1315 – Public Speaking OR SPCH 1321 – Business and Professional Communication (core courses)	
TOTAL SEMESTER CREDIT HOURS: 13		

D	PREREQUISITE SEMESTER 2 (SPRING) ^v	ACTION ITEMS
◆	BIOL 2402 – Anatomy and Physiology II (core course)	<input type="checkbox"/> Meet with your advisor to file an official program of study audit, confirm or update your academic/career path and program of study. <input type="checkbox"/> Meet with the clinical coordinator regarding placement for the Practicum course.
◆	PSYC 2301 – General Psychology (core course)	
◆	CHEM 1411 – General Chemistry I	
◆	BIOL 2420 – Microbiology for Non-Science Majors	
TOTAL SEMESTER CREDIT HOURS: 15		

D	PROGRAM SEMESTER 1 (MAYTERM/SUMMER)	ACTION ITEMS
◆	MLAB 1335 – Immunology/Serology	<input type="checkbox"/> Meet with the clinical coordinator regarding placement for the Practicum course.
◆	MLAB 1167 – Practicum (or Field Experience)-Clinical/Medical Laboratory Technician	
◆	MLAB 1211 – Urinalysis and Body Fluids	
TOTAL SEMESTER CREDIT HOURS: 6		

D	PROGRAM SEMESTER 2 (FALL)	ACTION ITEMS
◆	MLAB 1227 – Coagulation	<input type="checkbox"/> Meet with the clinical coordinator regarding placement for the Practicum course.
◆	MLAB 1415 – Hematology	
◆	MLAB 2401 – Clinical Chemistry	
◆	MLAB 2266 – Practicum (or Field Experience)-Clinical/Medical Laboratory Technician	
TOTAL SEMESTER CREDIT HOURS: 12		

D	PROGRAM SEMESTER 3 (SPRING)	ACTION ITEMS
◆	MLAB 2534 – Clinical Microbiology	<input type="checkbox"/> Meet with the clinical coordinator regarding placement for the Practicum course. <input type="checkbox"/> Meet with a career advisor or coach for assistance in preparing for job search, if needed.
◆	MLAB 2431 – Immunohematology	
◆	Humanities/Fine Arts Elective ^{vii} (core course)	
TOTAL SEMESTER CREDIT HOURS: 12		

D	PROGRAM SEMESTER 4 (SUMMER)	ACTION ITEMS
◆	MLAB 2267 – Practicum (or Field Experience) – Clinical/Medical Laboratory Technician	<input type="checkbox"/> After reviewing your degree plan and program of study, apply for Graduation. <ul style="list-style-type: none"> ○ Meet the Health Occupations Admissions Office to apply for the Medical Laboratory Technology AAS. ○ Sign up for commencement. <input type="checkbox"/> Join the Alumni Network!
TOTAL SEMESTER CREDIT HOURS: 2		

AAS DEGREE MINIMUM: 60 SEMESTER CREDIT HOURS | PATHWAY TOTAL: 60 SEMESTER CREDIT HOURS

A minimum grade requirement of "C" or better is required in all courses.

ⁱ Degree plans may change in later catalogs. You may use this pathway if you entered one of the seven colleges on or before this date.

ⁱⁱ Students must earn at least 25% of the credit hours (15 hours) required for graduation through instruction by the DCCCD college awarding the degree.

ⁱⁱⁱ To apply to the Medical Laboratory Technology program, an applicant must meet the conditions of one of the listed Application Eligibility categories. Detailed information is in the [application packet](#).

^{iv} This is not an official degree plan. For official degree requirements, [click here](#).

^v Prerequisite Semesters 1 and 2 can be modified for part-time enrollment. Once you are admitted to the program, you must enroll as outlined in Program Semesters 1-4.

^{vi} To register for BIOL 2401 you must complete the prerequisite: A grade of "C" or better in BIOL 1406.

^{vii} There are several options to fulfill this requirement. See the Health Occupations Admissions Office for a specific list.

THIS PATHWAY WAS LAST UPDATED ON JULY 22, 2019