



Medical Laboratory Technician (10-513-1)

Associate of Applied Science

Effective 2025/2026

The course sequence shown on this sheet is the recommended path to completion. Courses will be scheduled in the terms indicated here.

All courses should be taken in the order shown to help you stay on track and graduate according to your academic plan.

Courses in this program may be offered in a variety or combination of formats (for example: in-person, video conferencing, online, etc.).

R-D Racine/days, F=Fall, S=Spring

Term	Course #	Cr.	Course Title	Requisites (prereq- before/ coreq-with)	R-D
1	890-155	1	Gateway to Success (G2S)		F
1	*513-110	1	Basic Lab Skills	Prereq: Program Admission Coreq:513-111	F
1	*513-111	2	Phlebotomy ²	Prereq: Program Admission Coreq: 513-110	F
1	801-136	3	English Composition 1 ^{1,2}	Prereq: 831-103 OR 851-757	F
1	806-177	4	General Anatomy and Physiology ^{1,2,8}	Prereq: 838-105 OR 851-757 OR 831-107	F
1	809-198	3	Psychology, Introduction to ^{1,2}	Prereq: 838-105 OR 851-757	F
2	*513-113	1	QA Lab Math		S
2	806-186	4	Introduction to Biochemistry	Prereq: 806-134 OR 806-177 OR 806-209 OR 806-212	S
2	806-197	4	Microbiology ^{1,2}	Prereq: 806-105 OR 806-177 OR 806-196 OR 806-238	S
2	809-166	3	Ethics: Theory & Applications, Intro to ^{1,2}	Prereq: 838-105 OR 851-757	S
3	*513-114	2	Urinalysis ¹⁰	Prereq: 806-177; Advisor Consent	F
3	*513-115	2	Basic Immunology Concepts ¹⁰	Prereq: 806-177; Advisor Consent	F
3	*513-116	4	Clinical Chemistry ¹¹	Prereq: 806-186; Advisor Consent	F
3	*513-120	3	Basic Hematology ¹⁰	Prereq: 806-177; Advisor Consent	F
3	*513-133	4	Clinical Microbiology ¹²	Prereq: 806-197; Advisor Consent	F
4	*513-109	4	Blood Bank	Prereq: 513-115	S
4	*513-121	1	Coagulation	Prereq: 513-120	S
4	*513-130	2	Advanced Hematology	Prereq: 513-120	S
4	*513-140	2	Advanced Microbiology	Prereq: 513-133	S
4	*513-170	2	Introduction to Molecular Diagnostics	Prereq: 513-116	S
4	801-196 OR 801-198	3 OR 3	Oral/Interpersonal Communication OR Speech ²		S
5	*513-151	3	Clinical Experience I	Prereq: 513-109; 513-121; 513-130; 513-140; 513-170	SU
5	*513-152	4	Clinical Experience II ^{5,8,9}	Prereq: 513-151	SU

Minimum Program Total Credits Required: 62

Notes associated with courses (identified by a superscript number at the end of the course title) are located on the back of the sheet.

Mastery of this course will put students on a path to achieve successful degree completion, on-time graduation, and enrich the college experience. Students are required to take this course in their first semester of enrollment. Please see an advisor for details.

= Milestone Course. Faculty have identified this course as providing a strong foundation for success throughout the program.

(*) indicates students must achieve a minimum of 2.0 ("C") or above for these major courses to meet graduation requirements.

Medical Laboratory Technician (10-513-1)

At career entry, the medical laboratory technician/medical laboratory technician will be able to perform routine clinical laboratory tests (such as hematology, clinical chemistry, immunohematology, microbiology, serology/immunology, coagulation, molecular, and other emerging diagnostics) as the primary analyst making specimen-oriented decisions on predetermined criteria, including a working knowledge of critical values. Communications skills will extend to frequent interactions with members of the healthcare team, external relations, customer service and patient education. The level of analysis ranges from waived and point of care testing to complex testing encompassing all major areas of the medical laboratory. The medical laboratory technician will have diverse functions in areas of preanalytical, analytical, post-analytical processes. The medical laboratory technician will have responsibilities for information processing, training, and quality control monitoring wherever medical laboratory testing is performed.

Program Learning Outcomes

Graduates will be able to:

1. Practice laboratory safety and regulatory compliance.
2. Collect and process biological specimens.
3. Monitor and evaluate quality control in the laboratory.
4. Apply modern clinical methodologies including problem solving and trouble shooting according to predetermined criteria.
5. Perform information processing in the clinical laboratory.
6. Model professional behaviors, ethics and appearance.

Essential Career Competencies

Gateway's six essential career competencies are the general attitudes and skills promoted and assessed by all programs. All Gateway graduates will develop skills in:

- Communication
- Professionalism and Career Management
- Cultural Competence
- Critical Thinking and Problem Solving
- Teamwork and Collaboration
- Technology Competence

Admission Requirements

1. Students must submit an application and pay \$30 fee.
2. Students must meet one of the following: minimum cumulative high school GPA of 2.6 (unweighted); earned at least 12 college credits with a minimum GPA of 2.0; or complete valid reading and writing placement assessments.
3. Students must complete a Background Disclosure form and must request and pay for a background check. Applicants for all health science programs are subject to a review of their criminal backgrounds. Positive background checks may negatively impact your ability to pursue a health career at Gateway Technical College. Each case will be individually evaluated based on all available evidence provided to the college.

Graduation Requirements

- Minimum 62 credits with a cumulative GPA of 2.0 or above.
- *Minimum of 2.0 ("C") or above for these major courses.
- Complete 890-155 Gateway to Success (G2S) in the first semester.

For a complete list of Graduation Requirements, check the Student Handbook or [Graduation Requirements](#).

Notes

1. Satisfactory college placement results (through multiple measures or placement test scores) or successful remediation is required prior to enrollment. See an advisor for details.
2. A credit for prior learning assessment is available for this course. For more information, please contact cfpl@gtc.edu.
3. This is a high demand program that uses a waitlist process for enrollment in core program courses. Students are selected based on application date, completion of academic preparedness requirements and district residency.
4. A liability insurance fee per semester is required.
5. A physical examination and immunization are required prior to admission to the first clinical course. Clinical sites may require proof of health insurance.
6. Please note that your program may require additional fee(s) for: Criminal Background Check, Medical Document Manager and/or Drug Testing.
7. Must be completed to be eligible to take the MLT (ASCP) exam.
8. Course 806-151 Supplemental Chemistry for Healthcare is a recommended course to provide supplemental chemistry and math knowledge that is needed for this program.
9. Students must complete 288 hours of unpaid clinical experience at a clinical site. Students will be required to travel to the assigned clinical site for 7 weeks to complete rotations in each area of the clinical laboratory.
10. Students must have received a "B-" or better in 806-177 General Anatomy & Physiology before they can enroll in this course.
11. Students must have received a "B-" or better in 806-186 Introduction to Biochemistry before they can enroll in this course.
12. Students must have received a "B-" or better in 806-197 Microbiology before they can enroll in this course.

Gateway Technical College reserves the right to modify curriculum requirements for students who interrupt enrollment for one year or take over seven years to complete. Tuition and material fees are determined by the board of the Wisconsin Technical College System. Consult My Gateway for exact fee amounts. The District reserves the right to modify, cancel, or relocate course offerings in response to factors such as low enrollment, resource availability, or other relevant considerations to ensure high-quality educational experiences. Students will be notified in writing and are encouraged to meet with their Academic Advisor to adjust their academic plan.