

Medical Laboratory Technician (10-513-1)

Associate of Applied Science

Effective 2026/2027

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.). More detailed scheduling information for this program can be found at <https://www.gtc.edu/medical-laboratory-technician>. Please see your academic advisor for additional information.

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

Term	Course Number	Credits	Course Title	Requisites (prereq- before/ coreq-with)	Notes	R-D
1	890-155	1	Gateway to Success (G2S)		• Students are required to take this course in their first semester of enrollment. Please see an advisor for details.	F
1	*513-110	1	Basic Lab Skills	Prereq: Program Admission Coreq:513-111	• Faculty have identified this milestone course as providing a strong foundation for success throughout the program.	F
1	*513-111	2	Phlebotomy	Prereq: Program Admission Coreq: 513-110		F
1	801-136	3	English Composition 1	Prereq: 831-103 OR 851-757	• Satisfactory college placement results (through multiple measures or placement test scores) or successful remediation is required prior to enrollment. See an advisor for details.	F
1	806-177	4	General Anatomy and Physiology	Prereq: 838-105 OR 851-757 OR 831-107	• Satisfactory college placement results (through multiple measures or placement test scores) or successful remediation is required prior to enrollment. See an advisor for details. • 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.	F
1	809-198	3	Psychology, Introduction to	Prereq: 838-105 OR 851-757	• Satisfactory college placement results (through multiple measures or placement test scores) or successful remediation is required prior to enrollment. See an advisor for details.	F
2	*513-113	1	QA Lab Math		• Faculty have identified this milestone course as providing a strong foundation for success throughout the program.	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	Prereq: 806-105 OR 806-177 OR 806-196 OR 806-238	• Satisfactory college placement results (through multiple measures or placement test scores) or successful remediation is required prior to enrollment. See an advisor for details.	S
2	809-166	3	Ethics: Theory & Applications, Intro to	Prereq: 838-105 OR 851-757	• Satisfactory college placement results (through multiple measures or placement test scores) or successful remediation is required prior to enrollment. See an advisor for details.	S

(*) Students must achieve a minimum of 2.0 ("C") or above for this major course to meet graduation requirements.

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Term	Course Number	Credits	Course Title	Requisites (prereq- before/ coreq-with)	Notes	R-D
3	*513-114	2	Urinalysis	Prereq: 806-177; Advisor Consent	<ul style="list-style-type: none"> Students must have received a "B-" or better in 806-186 Introduction to Biochemistry before they can enroll in this course. 	F
3	*513-115	2	Basic Immunology Concepts	Prereq: 806-177; Advisor Consent	<ul style="list-style-type: none"> Students must have received a "B-" or better in 806-186 Introduction to Biochemistry before they can enroll in this course. 	F
3	*513-116	4	Clinical Chemistry	Prereq: 806-186; Advisor Consent	<ul style="list-style-type: none"> Students must have received a "B-" or better in 806-197 Microbiology before they can enroll in this course. 	F
3	*513-120	3	Basic Hematology	Prereq: 806-177; Advisor Consent	<ul style="list-style-type: none"> Students must have received a "B-" or better in 806-186 Introduction to Biochemistry before they can enroll in this course. 	F
3	*513-133	4	Clinical Microbiology	Prereq: 806-197; Advisor Consent	<ul style="list-style-type: none"> Faculty have identified this milestone course as providing a strong foundation for success throughout the program. In order to enroll in the clinical course, students must complete all other coursework, submit a completed health physical form and submit evidence of completion of courses 531-800 CPR-Healthcare Provider and 531-817 Heartsaver First Aid. 	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	Oral/Interpersonal Communication OR Speech			S
5	*513-151	3	Clinical Experience	Prereq: 513-109; 513-114; 513-121; 513-130; 513-140; 513-170	<ul style="list-style-type: none"> In order to enroll in the clinical course, students must complete all other coursework, submit a completed health physical form and submit evidence of completion of courses 531-800 CPR-Healthcare Provider and 531-817 Heartsaver First Aid. 	SU
5	*513-152	4	Clinical Experience II	Prereq: 513-151	<ul style="list-style-type: none"> Please note that your program may require additional fee(s) for: Criminal Background Check, Medical Document Manager and/or Drug Testing. 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. Students must have received a "B-" or better in 806-177 General Anatomy & Physiology before they can enroll in this course. 	SU

Minimum Program Total Credits Required: 62

(*) Students must achieve a minimum of 2.0 ("C") or above for this major course to meet graduation requirements.

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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:

- 1 Communication Competence
- 2 Critical Thinking and Problem Solving
- 3 Professionalism and Career Management
- 4 Teamwork and Collaboration
- 5 Cultural Competence
- 6 Technology Competence

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.

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, writing, and math placement assessments.
- 3 Review the technical standards for this program at www.gtc.edu/forms. An acknowledgement of these standards will be completed within the online application.
- 4 This is a high demand program that utilizes a [priority placement](#) process for enrollment in core program courses. Students admitted into this program progress through three stages pre-core, core-ready and core-active as they work to complete their degree. Students are selected based on application date, completion of academic preparedness requirements and district residency. Academic preparedness requirements may include a Background Information Disclosure Form and Criminal Background Check.

Graduation Requirements

- 1 Minimum 62 credits with a cumulative GPA of 2.0 or above.
- 2 *Minimum of 2.0 ("C") or above for these major courses.
- 3 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 A physical examination and immunization are required prior to admission to the first clinical course. Clinical sites may require proof of health insurance.
- 2 Please note that your program may require additional fee(s) for: Criminal Background Check, Medical Document Manager and/or Drug Testing.
- 3 Must be completed to be eligible to take the MLT (ASCP) exam.
- 4 Course 806-151 Supplemental Chemistry for Healthcare is a recommended course to provide supplemental chemistry and math knowledge that is needed for this program.
- 5 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.
- 6 In order to enroll in the clinical course, students must complete all other coursework, submit a completed health physical form and submit evidence of completion of courses 531-800 CPR-Healthcare Provider and 531-817 Heartsaver First Aid.

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