

Medical Laboratory Technology (AAS-MLT)

Campus Location: Atmore

Nursing and Allied Health Division

Length: Five Semesters (A.A.S. Degree); One Semester Core Academic Courses + Four Semesters Core Medical Laboratory Technology Courses

PROGRAM OVERVIEW:

The Medical Laboratory Technology Program prepares individuals, under the supervision of clinical laboratory scientists/medical technologists, to perform routine medical laboratory procedures and tests and to apply preset strategies to record and analyze data. Includes instruction in general laboratory procedures and skills; laboratory mathematics; medical computer applications; interpersonal and communications skills; and the basic principles of hematology, medical microbiology, immunohematology, immunology, clinical chemistry, and urinalysis.

ADMISSIONS REQUIREMENTS:

Admission into the core Medical Laboratory Technology portion of the program is for Spring Semester of each year. Students must submit a separate Medical Laboratory Technology online application by November 15, for consideration for Spring Semester enrollment. To be eligible, applicants must:

1. Have unconditional admission to the College and be an active student in good standing (minimum, cumulative 2.0 GPA).
2. Submit transcripts from all colleges/schools attended (including high school) to the registrar or admissions by program application deadline.
3. Submit a completed Medical Laboratory Technology Program application by stated deadline.
4. Have completed, or be in the process of completing, and hold a minimum GPA of 2.5 on a 4.0 scale in the prerequisite academic courses: English Composition I (ENG 101), Mathematical Applications (MTH116) or higher-level Math such as MTH 100 or MTH 112, Principles of Biology (BIO103), and General Psychology (PSY 200) or Human Growth and Development (PSY 210). A minimum grade of a 'C' is required for all courses in the Medical Laboratory Technology curriculum.
5. Submit ACT score (no minimum required).
6. Meet Essential Eligibility Criteria.

SELECTION CRITERIA:

While not all core academic courses listed below are required prior to acceptance, it is strongly suggested they are completed prior to program admission to improve student success. Completion of the courses and the above criteria does not guarantee admission into the program. There is a class size limit of 24 students. Prospective students are selected for program admission using a points system in which applicants are rank-ordered using the metrics below:

1. Three points are awarded for an A, two for a B, and one for a C in ENG 101, MTH 116 or higher-level math such as MTH 100 or 112, BIO 103, and PSY 200 or PSY 210.
2. Three points each are awarded for completion of BIO 201 and/or BIO 202 with a C or higher.
3. Points are awarded equivalent to the student's ACT composite score.

ADDITIONAL INFORMATION:

Upon provisional acceptance into the core Medical Laboratory Technology portion of the program, students are required to provide the following: Drug screen, background check, physical exam documenting the ability to meet essential functions/eligibility criteria, record of immunizations, and proof of medical insurance. Accepted students will receive a link to the online compliance platform, CastleBranch, to upload these items.

Clinical agencies reserve the right to deny clinical clearance, which may deem a student ineligible for program participation.

Medical Laboratory Technology testing/lab fees may be assessed for select courses.

PROGRESSION AND GRADUATION:

All Medical Laboratory Technology courses must be passed with a minimum of "C" in order to progress in the program. An AAS in Medical Laboratory Technology will be awarded to students who successfully complete all core academic and core Medical Laboratory Technology courses with a grade of "C" or higher. Students are responsible for meeting all progression and graduation requirements.

This is a career program designed for students to go directly into the labor market upon completion. Although some of the courses in this program will transfer to four-year institutions, this program is not designed to be a transfer program of study; therefore, it is not subject to the terms and conditions of Alabama Transfers state transfer and articulation reporting system.

ACCREDITATION INFORMATION:

Coastal Alabama Community College has achieved serious applicant accreditation status for the Medical Laboratory Technology program through the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS). Students' eligibility to take some certification examinations may depend on whether or not the program achieves "serious applicant" status. Completion of the AAS degree is not contingent on passing an external certification or licensure exam.

National Accreditation Association of Clinical Laboratory Sciences (NAACLS)

<https://naacls.org/about.aspx>

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Subject: **Nursing and Allied Health**

Type: A.A.S.

Semester One

It is strongly suggested that students complete all core academic courses required for the Medical Laboratory Technology program prior to starting the core Medical Laboratory Technology courses. Orientation to College, ORI 101, is required for those without prior college coursework as specified in the College Catalog. A higher-level math will substitute for Math 116 (MTH 100, MTH 110, MTH 112, etc.).

Item #	Title	Credits
BIO 103	Principles of Biology I	4
ENG 101	English Composition I	3
MTH 116	Mathematical Applications	3
ORI 101	Orientation to College	1
	PSY 200 or PSY 210	3

Semester Two (Spring)

Item #	Title	Credits
BIO 201	Human Anatomy and Physiology I	4
MLT 111	Urinalysis and Body Fluid	4
MLT 131	Laboratory Techniques	4
MLT 181	Clinical Immunology	2

Semester Three (Summer)

Item #	Title	Credits
BIO 202	Human Anatomy and Physiology II	4
MLT 141	MLT Microbiology I	5
MLT 151	MLT Clinical Chemistry	5

Semester Four (Fall)

Item #	Title	Credits
MLT 121	Hematology	5
MLT 142	MLT Microbiology II	3
MLT 191	MLT Immunohematology	5

Complete Graduation Application

Complete the graduation application and begin the process of a review of your degree plan before your final semester.

Semester Five (Spring)

Item #	Title	Credits
MLT 293	MLT Clinical Seminar	2
MLT 294	Medical Laboratory Practicum Hematology and Urinalysis	2
MLT 295	Medical Laboratory Practicum Microbiology	2
MLT 296	Medical Laboratory Practicum Immunohematology	2
MLT 297	Medical Laboratory Practicum Chemistry and Immunology	2
	Humanities and Fine Arts Elective (I)	3
	Total credits:	68