



Program Planning Guide

Pre-Medical Laboratory Technology Program (A55280ML)

Through a partnership between Sandhills Community College and Central Carolina Community College, students complete their general education requirements at Central Carolina Community College and then transfer to Sandhills Community College to finish the Medical Laboratory Technology program coursework. Students will graduate with an Associate in Applied Science degree from Sandhills Community College.

The Pre-Medical Laboratory Technology (Pre-MLT) program provides the academic foundation needed for success in the Medical Laboratory Technology program. Coursework in anatomy and physiology and general, organic, and biochemistry introduces the scientific concepts essential for understanding laboratory testing, body systems, and disease processes. These courses prepare students for the advanced scientific concepts they will study in the MLT program.

The program also emphasizes communication, critical thinking, and college readiness. Writing, psychology, and humanities courses strengthen analytical skills, professional communication, and understanding of human behavior, while transfer and career success coursework builds effective study habits and academic confidence. Together, these courses prepare students to transition successfully into the MLT program and advanced laboratory training.

The pre-MLT program is designed as a preparation track and does not lead to a degree. Students who decide not to pursue this profession will need to work with their Education Navigator to transition into a different degree pathway.

Pre-MLT Program General Education Classes:

Required Program Courses		Class	Lab	Credits	Notes:
ACA 122	Transfer & Career Success	0	2	1	Seated or online
BIO 163	Basic Anat & Physiology	4	2	5	Seated or online section LCA
CHM 130/130A	Gen, Org, & Biochemistry with Lab	3	2	4	Seated
ENG 111	Writing and Inquiry	3	0	3	Seated or online
Elective	Communication Elective	3	3	3	Seated or online
Elective	Humanities/Fine Arts Elective	3	3	3	Seated or online
PSY 150	General Psychology	3	0	3	Seated or online

A minimum grade of C must be earned in all classes for the medical laboratory technology program.

Communication Elective Options: Select One: COM 110, COM 120, COM 231, **ENG 112***, ENG 114

Humanities/Fine Arts Elective Options: Select One: ART 111, ART 114, ART 115, DRA 111, ENG 231, ENG 232, ENG 241, ENG 242, HUM 110, HUM 115, HUM 120, HUM 122, HUM 150, MUS 110, MUS 112, **PHI 240***, REL 211, REL 212

Approved Biology Substitutions: Can substitute BIO 168 and BIO 169 for BIO 163

Approved Chemistry Substitutions: Can substitute CHM 151 and CHM 152 for CHM 130/130A

***Recommended for Pre-MLT students**



Pre-Pre-Medical Laboratory Technology Suggested Course Schedule:

		Class	Lab	Clinical	Credits	Notes:
1st Semester (fall)						
ACA 122	Transfer & Career Success	0	2	0	1	Seated or Online
CHM 130/130A	Gen, Org, & Biochemistry with Lab	3	2	0	4	Seated
Elective	Humanities/Fine Arts Elective	3	3	0	3	Seated or Online
ENG 111	Writing & Inquiry	3	0	0	3	Seated or Online
	Total Semester Hours	9	7	0	11	
2nd Semester (spring)						
BIO 163	Basic Anat & Physiology	4	2	0	5	Seated or online section LCA
Elective	Communication Elective	3	3	0	3	Seated or Online
PSY 150	General Psychology	3	0	0	3	Seated or Online
	Total Semester Hours	10	5	0	11	

Students who have questions about the pre-MLT program should contact their Education Navigator.