



Clinical Laboratory Science

Associate in Science | Code: 23024 | 76 credits

CIP (1351100405)

Effective Term: Fall 2024 (2247)

The Clinical Laboratory Sciences program prepares the graduate to work as part of the health care delivery team in a non-profit clinical laboratory or research laboratory. Clinical practice is conducted in local health care facilities under the supervision of qualified registered professional personnel. Graduates are eligible for Florida State Licensure and Registry with the American Society of Clinical Pathologists and equivalent licensure.

GENERAL EDUCATION REQUIREMENTS (15.00 Credits)

Communications (3.00 credits)

ENC 1101	English Composition 1	(3 credits)	Prerequisite: Student must meet the Developmental Education reading and writing requirements in State Rule 6A-10.0315 (by course, placement score, or eligible exemption).
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Humanities (3.00 credits)

ARH 1000	Art Appreciation	(3 credits)	
HUM 1020	Humanities	(3 credits)	
LIT 2000	Introduction to Literature	(3 credits)	Prerequisite: ENC 1101
MUL 1010	Music Appreciation	(3 credits)	
PHI 2010	Introduction to Philosophy	(3 credits)	
THE 2000	Theatre Appreciation	(3 credits)	

Mathematics (3.00 credits)

MGF 1130	Mathematical Thinking	(3 credits)	Prerequisite: Student must meet the Developmental Education reading and writing requirements in State Rule 6A-10.0315 (by course, placement score, or eligible exemption).
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Natural Science (3.00 credits)

BSC 2085	Human Anatomy and Physiology 1	(3 credits)	Corequisite: BSC 2085L
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Social Science (3.00 credits)

AMH 2010	History of the US to 1877	(3 credits)	
AMH 2020	History of the US since 1877	(3 credits)	
POS 2041	American Federal Government	(3 credits)	

COMPUTER COMPETENCY

Test type(s) needed:

Computer Competency Test (CCT)

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CGS 1060C	Introduction to Computer Technology & Applications	
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SCIENCE REQUIREMENTS (14.00 Credits)

BSC 2085L	Human Anatomy and Physiology 1 Laboratory	(1 credits)	Corequisite: BSC 2085
BSC 2086	Human Anatomy & Physiology 2	(3 credits)	Prerequisite: BSC 2085; Corequisite: BSC 2086L
BSC 2086L	Human Anatomy & Physiology 2 Laboratory	(1 credits)	Prerequisites: BSC 2085, BSC 2085L; Corequisite: BSC 2086

CHM 1033	Chemistry for Health Sciences	(3 credits)	Prerequisite: MAT 1033;
CHM 1033L	Chemistry for Health Sciences Lab	(1 credits)	Corequisite: CHM 1033L Prerequisite: MAT 1033;
MCB 2010	Microbiology	(3 credits)	Corequisite: CHM 1033 Prerequisites: BSC 2010, BSC 2010L; or BSC 2085, BSC 2085L; CHM 1045, CHM 1045L, CHM 1033, CHM 1033L;
MCB 2010L	Microbiology Laboratory	(2 credits)	Corequisite: MCB 2010L Prerequisites: BSC 2010, BSC 2010L; or BSC 2085, BSC 2085L; CHM 1045, CHM 1045L, CHM 1033, CHM 1033L;
			Corequisite: MCB 2010
<u>FIRST TERM IN PROGRAM (9.00 credits)</u>			
MLT 1040L	Fundamentals of Laboratory Operations	(1 credit)	
MLT 1210C	Clinical Urinalysis with Lab	(2 credits)	
MLT 1300	Clinical Hematology	(2 credits)	Corequisite: MLT 1300L
MLT 1300L	Clinical Hematology Laboratory	(2 credits)	Corequisite: MLT 1300
MLT 1752	Quality Control Laboratory Mathematics	(2 credits)	
<u>SECOND TERM IN PROGRAM (9.00 credits)</u>			
MLT 1500	Clinical Immunology/Serology	(2 credits)	Prerequisites: BSC 2085, BSC 2086 Corequisite: MLT 1500L
MLT 1500L	Clinical Immunology/Serology Laboratory	(1 credit)	Prerequisites: BSC 2085L, BSC 2086L Corequisite: MLT 1500
MLT 1610	Clinical Chemistry 1	(2 credits)	Prerequisite: CHM 1025 Corequisite: MLT 1610L
MLT 1610L	Clinical Chemistry 1 Laboratory	(2 credits)	Prerequisite: CHM 1025L Corequisite: MLT 1610
MLT 2440	Clinical Microbiology 1	(1 credit)	Corequisite: MLT 2440L
MLT 2440L	Clinical Microbiology Lab 1	(1 credit)	Corequisite: MLT 2440
<u>THIRD TERM IN PROGRAM (6.00 credits)</u>			
MLT 1330	Clinical Coagulation	(1 credit)	Prerequisite: MLT 1300 Corequisite: MLT 1330L
MLT 1330L	Clinical Coagulation Laboratory	(1 credit)	Prerequisite: MLT 1300L Corequisite: MLT 1330
MLT 2525	Immunohematology	(2 credits)	Prerequisite: MLT 1500 Corequisite: MLT 2025L
MLT 2525L	Immunohematology Laboratory	(2 credits)	Prerequisite: MLT 1500L Corequisite: MLT 2525
<u>FOURTH TERM IN PROGRAM (9.00 credits)</u>			
MLT 2403	Clinical Microbiology 2	(2 credits)	Prerequisite: MLT 2440 Corequisite: MLT 2403L
MLT 2403L	Clinical Microbiology Lab 2	(2 credits)	Prerequisite: MLT 2440L Corequisite: MLT 2403
MLT 2620	Clinical Chemistry 2	(2 credits)	Prerequisite: MLT 1610 Corequisite: MLT 2620L
MLT 2620L	Clinical Chemistry 2 Laboratory	(1 credit)	Prerequisite: MLT 1610L Corequisite: MLT 2620
MLT 2624L	Special Techniques in Clinical Chemistry	(2 credits)	Prerequisites: MLT 1610, MLT 1610L Corequisites: MLT 2620, MLT 2620L
<u>FIFTH TERM IN PROGRAM (14.00 credits)</u>			
MLT 2807L	Hospital Practicum: Immunohematology	(3 credits)	Prerequisites: MLT 2525, MLT 2525L Corequisite: MLT 2930
MLT 2809L	Hospital Practicum: Hematology	(3 credits)	Prerequisites: MLT 1300, MLT 1300L, MLT 1330,

MLT 2810L	Hospital Practicum: Chemistry	(3 credits)	MLT 1330L Corequisite: MLT 2930 Prerequisites: MLT 2620, MLT 2620L, MLT 2624L
MLT 2811L	Hospital Practicum: Microbiology	(3 credits)	Corequisite: MLT 2930 Prerequisites: MLT 2403, MLT 2403L
MLT 2930	Medical Laboratory Technology Seminar	(2 credits)	Corequisite: MLT 2930 Corequisites: MLT 2807L, MLT 2809L, MLT 2810L, MLT 2811L