

**TRANSFER GUIDE FOR
 NORTHWESTERN MICHIGAN COLLEGE**

**Associate in Applied Science Degree
 MEDICAL LABORATORY TECHNICIAN
 Effective Fall 2008**

Home Page	Contact	Phone
http://www.ferris.edu/htmls/colleges/alliedhe/	Barbara Ross Program Coordinator Clinical Laboratory Sciences College of Allied Health Sciences Ferris State University 200 Ferris Drive Big Rapids MI 49307-2740 allesn@ferris.edu	1-800-GO-BULLDOGS or 231/591-2266

This is a guide for students who plan to transfer to Ferris State University. This guide is not intended to be a contract with Ferris State University. The information on this guide is subject to change; students should contact the College of Allied Health Sciences to keep informed of changes (see "contact" above). Final responsibility for verifying all transfer information lies with the students.

For Admission to the Professional Medical Laboratory Technology Sequence: These courses/qualifiers must be completed by the end of the Spring Semester to qualify for entry into the professional sequence. Students must officially apply to the professional sequence **between January 15 and January 30** for the fall semester start each year.

COURSE / QUALIFIERS	Minimum CREDITS	Minimum GRADE REQUIRED
Academic Status: <ul style="list-style-type: none"> Minimum Standard: Maintain GPA of 2.5 or higher 	NA	NA
Math Competency: <ul style="list-style-type: none"> ACT Subscore of 24 or higher <u>or</u> MATH 115 or MATH 117 	NA 3	NA C
CHEM 114 Intro to Inorganic Chemistry	1	C
CHEM 214 Intro to Inorganic Chemistry	4	C
BIOL 205 Anatomy & Physiology	5	C

Program Coordinator: Barbara Ross

Contact Information: rossb@ferris.edu, 1-800-GO-BULLDOGS, ext. 2317; Office: VFS 303

Be sure to watch the Clinical Laboratory Sciences Website for Program updates. Application Guidelines & Forms can be accessed on the CAHS Website:
<http://www.ferris.edu/htmls/colleges/alliedhe/index.cfm>

The following is a list of courses students must complete to earn the degree. Community college equivalents are listed below and may be taken prior to transferring to Ferris. If a program will accept a course as a substitution, the word "sub" will follow the community college course number. Blank spaces in the community college column indicate there are no course equivalents or substitutions available.

REQUIRED	COURSE TITLE – FSU PREREQUISITES SHOWN IN BRACKETS ()		FSU HOURS	COURSE AT Northwestern CC
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COMMUNICATION COMPETENCE: 9 CREDITS REQUIRED

ENGL	150	English 1	3	ENG 111
ENGL	250	English 2 (ENGL 150)	3	ENG 112
Recommended: COMM Also Accepted: COMM	221 105 121	Small Group Decision Making Interpersonal Communication OR Fundamentals of Public Speaking	3	COM 111

QUANTITATIVE SKILLS: PROFICIENCY OR COURSE REQUIRED

Recommended: MATH Also Accepted: MATH	117 115	Contemporary Mathematics or ACT Math subscore of 24 Intermediate Algebra	4 4	MTH111 or 121
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SOCIAL AWARENESS: 3 CREDITS REQUIRED

CULTURAL ENRICHMENT: 3 CREDITS REQUIRED

SCIENTIFIC UNDERSTANDING: 16 CREDITS REQUIRED

BIOL	108	Medical Microbiology	3	BIO 208
BIOL	205	Human Anatomy and Physiology (CHEM 114)	5	BIO 227 & 228
CHEM	114	Introduction to General Chemistry (CHEM 103 or HS Chem and Math 110 or ACT 19)	4	sub CHM150 & 150R
CHEM	214	Fundamentals of Organic Chemistry (CHEM 114 or 121)	4	Sub CHM 250 & 251

CAHS CORE REQUIREMENTS:

CCHS	101	Orientation to Health Care	3	
CCHS	102	Safety Issues in Health Care	1	
CCHS	103	Clinical Skills for Health Care Providers (CAHS enrollment)	1	
		Computer Competency		Sub CIT 120B, 124B & 128
MRIS	102	Orientation to Medical Vocabulary or Medical Terminology Competency	1	HAH 101

MLT MAJOR: CREDITS REQUIRED 42

CLLS	101	Clinical Laboratory Science Orientation	1	
CLLS	122	Introduction to Specimen Collection (concurrent enrollment in CLLS 123)	2	
CLLS	123	Specimen Collection Laboratory (concurrent enrollment in CLLS 122)	1	
CLLS	216	Clinical Chemistry (BIOL 205, CHEM 214; concurrent enrollment in CLLS 217)	3	
CLLS	217	Clinical Chemistry Laboratory (concurrent enrollment in CLLS 216)	1	
CLLS	218	Body Fluid Analysis (BIOL 205)	1	
CLLS	219	Hemostasis (BIOL 205)	1	
CLLS	220	Body Fluid and Hemostasis Laboratory (concurrent enrollment in CLLS 218 and 219)	1	
CLLS	231	Hematology (BIOL 205, CHEM 214, concurrent enrollment in CLLS 232)	2	

CLLS	232	Hematology Laboratory (concurrent enrollment in CLLS 231)	1	
CLLS	236	Diagnostic Microbiology (BIOL 108 or 286; BIOL 205, CHEM 214, concurrent enrollment in CLLS 237)	2	
CLLS	237	Diagnostic Microbiology Laboratory (concurrent enrollment in CLLS 236)	2	
CLLS	241	Medical Virology/Mycology/Parasitology (BIOL 108 or 286, concurrent enrollment in CLLS 242)	2	
CLLS	242	Medical Virology/Mycology/Parasitology Laboratory (concurrent enrollment in CLLS 241)	1	
CLLS	252	Introduction to Clinical Immunology (BIOL 205, concurrent enrollment in CLLS 253)	2	
CLLS	253	Introduction to Clinical Immunology Laboratory (concurrent enrollment in CLLS 252)	1	
CLLS	256	Simulated Clinical Laboratory (CLLS 217, 220, 232, 237, 253, 259)	3	
CLLS	258	Immunoematology (BIOL 205, CLLS 251 and 252, concurrent enrollment in CLLS 259)	2	
CLLS	259	Immunoematology Laboratory (concurrent enrollment in CLLS 258)	1	
CLLS	281	Application of Clinical Laboratory Science (CLLS 256)	1	
CLLS	292	Applied Clinical Practicum 1 (CLLS 256)	6	
CLLS	293	Applied Clinical Practicum 2 (CLLS 292)	5	