

**TRANSFER GUIDE FOR  
 KALAMAZOO COMMUNITY COLLEGE**

**BACHELOR OF SCIENCE MEDICAL TECHNOLOGY  
 Effective Fall 2008**

Home Page	Contact	Phone
<a href="http://www.ferris.edu/htmls/colleges/alliedhe/">http://www.ferris.edu/htmls/colleges/alliedhe/</a>	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 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"> <li>Minimum Standard: Maintain GPA of 2.5 or higher</li> </ul>	NA	NA
Math Competency: <ul style="list-style-type: none"> <li>ACT Subscore of 24 or higher <u>or</u></li> <li>MATH 115 or MATH 117</li> </ul>	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

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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 Kalamazoo CC
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**COMMUNICATION COMPETENCE: 12 CREDITS REQUIRED**

ENGL	150	English 1	3	ENG110 or 160
ENGL	250	English 2 (ENGL 150)	3	ENG 111
ENGL	321	Advanced Composition (ENGL 250)	3	
<b>Recommended:</b> COMM <b>Also Accepted:</b> COMM	221 105 121	Small Group Decision Making Interpersonal Communication <b>OR</b> Fundamentals of Public Speaking	3	ENG 108 or 113 or 213 or COMM 101 or 201

**QUANTITATIVE SKILLS: PROFICIENCY OR COURSE REQUIRED**

<b>Recommended:</b> MATH <b>Also Accepted:</b> MATH	117 115	Contemporary Mathematics or ACT Math subscore of 24 Intermediate Algebra	4 4	 MATH 116
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**SOCIAL AWARENESS – 9 CREDITS REQUIRED**

Of the three Social Awareness courses:

- One must be a foundations course
- One must meet the race, ethnicity and gender requirement
- One must be at the 200 level or above

**CULTURAL ENRICHMENT – 9 CREDITS REQUIRED**

Of the three Cultural Enrichment courses:

- One must meet the Global Consciousness requirement (hyperlink to Global Consciousness and Cultural Enrichment.)
- One must be at the 200 level.

**SCIENTIFIC UNDERSTANDING:**

BIOL	103	Biological Concepts	4	BIO 100
BIOL	108 or 286	Medical Microbiology General Microbiology (CHEM 122)	3	BIO 130
BIOL	205	Human Anatomy and Physiology (CHEM 114)	5	BIO 110 & 210
BIOL	300	Pathophysiology (BIOL 205 and CHEM 214)	3	
CHEM	114	Introduction to General Chemistry (CHEM 103 or HS Chemistry and Math 110 or ACT 19)	4	sub CHM 120
CHEM	214	Fundamentals of Organic Chemistry (CHEM 114 or 121)	4	Sub CHM 220 & 230
CHEM	324	Fundamentals of Biochemistry (CHEM 214)	3	

**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		BUS 103 or BUS 204
MRIS	102	Orientation to Medical Vocabulary or Medical Terminology Competency	1	HCR116 or MAT105

**MT MAJOR: CREDITS REQUIRED 61**

CLLS	101	Clinical Laboratory Science Orientation	1	
CLLS	122	Introduction to Specimen Collection	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, concurrent enrollment in CLLS 219 and 220)	1	
CLLS	219	Hemostasis (BIOL 205, concurrent enrollment in CLLS 218 and 220)	1	
CLLS	220	Body Fluid Analysis 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	258	Immunochemistry (BIOL 205; CLLS 251, 252, concurrent enrollment in CLLS 259)	2	
CLLS	259	Immunochemistry Laboratory (concurrent enrollment in CLLS 258)	1	
CLLS	356	Advanced Clinical Chemistry (CLLS 216, EHSM 315, concurrent enrollment in CLLS 357)	2	
CLLS	357	Advanced Clinical Chemistry Laboratory (concurrent enrollment in CLLS 356)	1	
CLLS	431	Advanced Hematology (CLLS 218, 219, 220, 231, 232, concurrent enrollment in CLLS 432)	2	
CLLS	432	Advanced Hematology Laboratory (concurrent enrollment in CLLS 431)	1	
CLLS	436	Advanced Diagnostic Microbiology (CLLS 236, concurrent enrollment in CLLS 437)	2	
CLLS	437	Advanced Diagnostic Microbiology Laboratory (concurrent enrollment in CLLS 436)	2	
CLLS	456	Clinical Laboratory Practicum (CLLS 356, 431, 437, 459)	3	
CLLS	458	Advanced Immunochemistry (CLLS 252, 258, concurrent enrollment in CLLS 459)	1	
CLLS	459	Advanced Immunochemistry Laboratory (concurrent enrollment in CLLS 458)	1	
CLLS	465	Management of the Clinical Laboratory (CLLS 356, 431, 436, 458)	3	
CLLS	480	Clinical Laboratory Science Applications (concurrent enrollment in CLLS 491)	1	
CLLS	491	Clinical Laboratory Practice (CLLS 456, concurrent enrollment in CLLS 481)	14	
CLLS	494	Management Practice in Clinical Laboratory Science (CLLS 465)	1	
CLLS	499	Clinical Laboratory Science Seminar (last semester on campus)	1	
EHSM	315	Epidemiology and Statistics	3	