

**WICHITA STATE UNIVERSITY (WSU), COLLEGE OF HEALTH PROFESSIONS (CHP)  
MEDICAL LABORATORY SCIENCES (MLS), BACHELOR OF SCIENCE (BS), 2019-2020**

▶▶▶▶▶ **PREREQUISITES**

<b>GEN ED FOUNDATION COURSES</b> <i>These courses must be must complete with a C- (1.7) grade within the first 48 hours of college coursework.</i>	<b>COURSE #</b>	<b>CR</b>	<b>GRADE</b>	<b>SEM/YR</b>	<b>COLLEGE/NOTES</b>
*ENGL 101 College English 1		3			
*ENGL 102 College English 2		3			
*COMM 111 Public Speaking		3			
*MATH 111 College Algebra <i>or</i> *MATH 112 Pre-Calculus Math <i>or</i> *MATH 131 Contemporary Math		3			

<b>SCIENCE PREREQUISITES</b> <i>These courses require a grade of C (2.0) or higher.</i>	<b>COURSE #</b>	<b>CR</b>	<b>GRADE</b>	<b>SEM/YR</b>	<b>COLLEGE/NOTES</b>
* BIOL 210 General Biology I/Lab		4			
* CHEM 211 General Chemistry I/Lab		5			
*CHEM 212 General Chemistry II/Lab <i>prereq: CHEM 211</i>		5			
*BIOL 223 Human Anatomy & Physiology/Lab <i>prereq: CHEM 211 or</i> HS 290 Human Anatomy & Physiology/Lab <i>or</i> BIOL 534/535 Mammalian Physiology <i>prereq: BIOL 211 &amp; CHEM 531</i>		4- 6			
*BIOL 220 Microbiology/Lab <i>prereq: CHEM 211 or</i> BIOL 330 General Microbiology/Lab <i>prereq: BIOL 211 &amp; CHEM 212</i>		4- 5			
MLS 311 Biochemistry <i>prereq: CHEM 212 or</i> CHEM 661 Intro Biochemistry <i>prereq: CHEM 532, 533, or 536</i>		3			
MLS 405 Medical Immunology <i>prereq: Anatomy &amp; Physiology or</i> BIOL 590 Immunobiology <i>prereq: BIOL 211 &amp; CHEM 212</i>		3			

\*These courses may fulfill general education requirements

▶▶▶▶▶ **ADDITIONAL GENERAL EDUCATION REQUIREMENTS**

- General education coursework below is waived for students who have earned a prior bachelor's degree from a regionally accredited institution.
- These tables lay out remaining general education requirements, assuming that prerequisite courses listed above fulfill other general education requirements. Transfer students should confirm general education needs with CHP academic advisor.
- Students who have completed an AA or AS through a Kansas Community College may choose to fulfill general education requirements by completing two 300-level TIER 3 courses at Wichita State University (see WSU curriculum below).

[www.wichita.edu/generaleducation](http://www.wichita.edu/generaleducation)

<b>WSU CURRICULUM</b>	<b>COURSE #</b>	<b>CR</b>	<b>GRADE</b>	<b>SEM/YR</b>	<b>COLLEGE/NOTES</b>
All students may follow this curriculum.  <i><sup>1</sup>If FS chosen, course must be in one of these divisions: Fine Arts/Humanities or Social/Behavioral Science <sup>2</sup>If I+P chosen, course must be in a subject other than first I+P.</i>	Intro Fine Arts				
	Intro Humanities (1 <sup>st</sup> subject)				
	Intro Humanities (2 <sup>nd</sup> subject)				
	Intro Social/Behavioral Science (1 <sup>st</sup> subject)				
	Intro Social/Behavioral Science (2 <sup>nd</sup> subject)				
	Tier 3 Issues and Perspectives (I+P)				
	<sup>1</sup> Tier 3 Further Study (FS) or I+P				

**OR**

<b>KBOR GEN ED CURRICULUM</b>	<b>COURSE #</b>	<b>CR</b>	<b>GRADE</b>	<b>SEM/YR</b>	<b>COLLEGE/NOTES</b>
Transfer students may choose the Kansas Board of Regents curriculum if: • Admitted to WSU as a transfer student • Have completed 24 or more credit hours <b>after high school graduation</b>	Fine Arts/Humanities (1 <sup>st</sup> subject)				
	Fine Arts/Humanities (2 <sup>nd</sup> subject)				
	Fine Arts/Humanities (3 <sup>rd</sup> subject)				
	Fine Arts/Humanities (any subject)				
	Social/Behavioral Science (1 <sup>st</sup> subject)				
	Social/Behavioral Science (2 <sup>nd</sup> subject)				
	Social/Behavioral Science (3 <sup>rd</sup> subject)				

## ▶▶▶▶▶ PROGRAM APPLICATION AND ADMISSION REQUIREMENTS

Visit [www.wichita.edu/mls](http://www.wichita.edu/mls) for application, instructions, and more information

### ▶▶ APPLICATION DEADLINES

Fall Program: **April 1**  
 Spring Program: **November 1**  
 MLT-MLS Summer Program: **April 1**

- ▶ Admitted to, or enrolled at, Wichita State University
  - ▶ Minimum overall cumulative GPA of 2.5 or higher  
*Competitive GPA = 3.25*
  - ▶ Minimum letter grade of C (2.0) or higher in all science prerequisite courses
  - ▶ Three letters of recommendation
  - ▶ Completion of all prerequisites and general education courses prior to starting program
- Note: It is strongly recommended that all elective hours be complete prior to starting program.*

## ▶▶▶▶▶ SELECTION CRITERIA

The program starts a class of  $\approx 16$  every fall and every spring.

- Admission is competitive.
- Admission decisions are made by **MLS Admissions Committee.**

- ▶ Overall GPA.
- ▶ Reference recommendation statements.
- ▶ Evidence of knowledge of health care (volunteer or work experience).
- ▶ Evidence of ability to lead or participate in diverse teams.
- ▶ Evidence of knowledge of the profession and presentation of application.

## ▶▶▶▶▶ CHP and WSU GRADUATION REQUIREMENTS

- Earn credit for 120 cumulative hours. **Elective hours may be needed.**
- Earn credit in a minimum of 60 hours at a 4-year institution.
- Earn credit in a minimum of 45 hours of upper-division coursework.
- Complete all general education requirements.
- Maintain a WSU and cumulative GPA  $\geq 2.0$  while in professional program.
- At least 24 of last 30 or 50 of last 60 credit hours must be completed at WSU.

*NOTE: The MLS professional program totals 52 credit hours. The MLT-MLS program totals 27-32 credit hours. Students must complete a minimum of 60 hours from a four-year institution.*

## ▶▶▶▶▶ PROFESSIONAL MLS PROGRAM (52 credit hours)

### FALL SEMESTER: 16 hrs

MLS 453	Clinical Chemistry	8
MLS 463	Hematology	8

### SPRING SEMESTER: 16 hrs

MLS 473	Immunohematology	8
MLS 495	Clinical Microbiology	8

### SUMMER SEMESTER: 6 hrs

MLS 400	Clinical Lab Management	3
MLS 482	Molecular Diagnostic Techniques	3

### FINAL CLINICAL SEMESTER: 14 hrs

MLS 479	Applied Immunohematology	3
MLS 488	Core Lab Practicum	8
MLS 498	Applied Clinical Microbiology	3

## ▶▶▶▶▶ PROFESSIONAL MLT-MLS PROGRAM (27-32 credit hours)

### FALL SEMESTER: 12 hrs

HS 400	Intro to Pathophysiology	4
MLS 458	Advanced Clinical Chemistry	4
MLS 468	Advanced Clinical Hematology	4

### SPRING SEMESTER: 8 hrs

MLS 478	Advanced Immunohematology	4
MLS 499	Advanced Clinical Microbiology	4

### SUMMER SEMESTER: 6 hrs

MLS 400	Clinical Lab Management	3
MLS 482	Molecular Diagnostic Techniques	3

### FINAL CLINICAL SEMESTER: 1-6

MLS 411	Special Topics in Applied Practice	1-6
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*This course is taken in the final semester.  
 Number of credit hours required is dependent on lab experience.*

## ▶▶▶▶▶ CONTACT INFORMATION

CHP Advising Center  
 Ahlberg Hall 402 316-978-3304 #2  
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