PURDUE UNIVERSITY

MEDICAL LABORATORY SCIENCES HLSC-BS
College of Health and Human Sciences MLAB
3 years plus 1 year clinical (application required for clinical) 120 credits
A cumulative GPA of at least 3.00 and a minimum science (CHM, BIOL, PHYS, MA)
GPA of at least 2.75 is required for admission into the clinical year.

Student: _____ PUID: _____ Catalog Term: Fall 2018

Additional Majors: _____ Minors: _____

Major Requirements (94 credits)

____ (3) AGRY 32000 Genetics
____ (4) BIOL 20300 Human Anatomy & Physiology
____ (4) BIOL 20400 Human Anatomy & Physiology
____ (4) BIOL 22100 Introduction to Microbiology
____ (4) CHM 11500 General Chemistry
____ (4) CHM 11600 General Chemistry
____ (4) CHM 25700 Organic Chemistry
____ (1) CHM 25701 Organic Chemistry Laboratory
____ (3) CHM 33300 Principles of Biochemistry or BCHM 30700 Biochemistry
____ (3) _____**English Selective** – select any 20000 level or above ENGL course
____ (2) HSCI 10100 Introduction to the Health Sciences Professions
____ (1) HSCI 13000 Introduction to Medical Laboratory Science
____ (2) HSCI 13100 Introduction to Medical Terminology
____ (3) HSCI 20100 Principles of Public Health Science **[Satisfies Science, Technology & Society Core]**
____ (3) HSCI 20200 Essentials of Environmental, Occupational, and Radiological Health Sciences
____ (3) HSCI 33300 Introduction to Immunology
____ (3) MA 16020 Applied Calculus II
____ (4) PHYS 22000 General Physics or PHYS 23300 Physics for Life Sciences I
____ (4) PHYS 22100 General Physics or PHYS 23400 Physics for Life Sciences II
____ (3) STAT 30100 Elementary Statistical Methods

Clinical Year - 32 credits
A cumulative GPA of at least 3.00 and a minimum science (CHM, BIOL, PHYS, MA) GPA of at least 2.75 is required to apply for admission into the clinical year.
Student must have at least 88 credits completed prior to the start of the clinical year.
(Course title and number of credits per course listed below vary by clinical location.)

Clinical Chemistry
Clinical Hematology
Clinical Immunohematology
Clinical Microbiology
Clinical Serology
Clinical Urinalysis
Intro to Laboratory Education & Management
Special Topics

Other Departmental / Program Course Requirements (23-24 credits)

____ (4) BIOL 11000 Fundamentals of Biology I **[Satisfies 1 Science Core Course]**
____ (4) BIOL 11100 Fundamentals of Biology II **[Satisfies 1 Science Core Course]**
____ (3) COM 11400 Fundamental of Speech Communication **[Satisfies Oral Communication Core]**
____ (4-3) ENGL 10600 First-Year Composition or ENGL 10800 Accelerated First-Year Composition **[Satisfies Written Communication Core] and [Information Literacy Core]**
____ (3) MA 16010 Applied Calculus I **[Satisfies Quantitative Reasoning Core]**
____ (3) _____**[Behavior/Social Science Core]** – *select from University list*
____ (3) _____**[Humanities Core]** – *select from University list*

Electives (2-3 credits)

____ ( )_____ ____ ( ) _____ ____ ( ) _____ ____ ( ) _____

An Ethics course (such as PHIL 11100 Ethics or PHIL 27000 Biomedical Ethics) is highly recommended

All students must complete 32 credits of 30000 level or higher courses at Purdue for graduation.

120 credits required for Bachelor of Science degree

Note: Most Medical Laboratory Sciences students graduate in August

University Foundational Learning Outcomes List: https://www.purdue.edu/provost/initiatives/curriculum/course.html
Revised 5/2018

PURDUE UNIVERSITY

MEDICAL LABORATORY SCIENCES
College of Health and Human Sciences

HLSC-BS
MLAB
120 credits
Fall 2018

Suggested Arrangement of Courses:

Credits	**Fall 1st Year**	**Prerequisite**	Credits	**Spring 1st Year**	**Prerequisite**
4	*BIOL 11000[CC]		4	*BIOL 11100[CC]	BIOL 11000
4	*CHM 11500[CC]	MA 15400 or MA 15800 or ALEKS = 75	4	*CHM 11600[CC]	CHM 11200 or 11500
4-3	*ENGL 10600 OR 10800[CC]		3	*COM 11400[CC]	
2	HSCI 10100[CC] Fall only		3	*MA 16020[CC]	MA 16010 = C-
3	*MA 16010[CC]	ALEKS = 75 or MA 15400 = C- or 15800 = C-	1	HSCI 13000 Spring only	
16-17			**15**		

Credits	**Fall 2nd Year**	**Prerequisite**	Credits	**Spring 2nd Year**	**Prerequisite**
4	*BIOL 20300 Fall only		4	*BIOL 20400 Spring only	BIOL 20300
4	CHM 25700[CC]	CHM 11200 or CHM 11600	4	BIOL 22100	BIOL 11000 & CHM 11600
1	CHM 25701[CC]	CHM 25700 or may be taken concurrently	3	*HSCI 20100[CC] Spring only	Classification of 03
3	*HSCI 20200[CC] Fall only	3 credits in BIOL & CHM	3	*Behavior/Social Sci Core	Select from University list
3	*Humanities Core	Select from University list			
15			**14**		

Credits	**Fall 3rd Year**	**Prerequisite**	Credits	**Spring 3rd Year**	**Prerequisite**
3	AGRY 32000	BIOL 11100	3	CHM 33300 or BCHM 30700	CHM 25700
3	*STAT 30100		2	HSCI 13100	
3	Electives		3	HSCI 33300 Spring only	BIOL 20400/30200 & BIOL 22100-may be taken currently
4	PHYS 22000 or PHYS 23300[CC]	College algebra & trig CHM 11500 & BIOL 11100 & MA 16020	3	English Selective	Select any 20000 level or above ENGL course
			4	PHYS 22100 or PHYS 23400[CC]	PHYS 22000 PHYS 23300
13			**15**		

Credits	**Fall 4th Year**	**Prerequisite**	Credits	**Spring 4th Year**	**Prerequisite**
16	^HSCI clinical courses – 10000-59999		**16**	^HSCI clinical courses – 10000-59999	

^Clinical coursework in Chemistry, Hematology, Serology, Immunohematology, Microbiology, Urinalysis, and special topics such as: Laboratory Management, Parasitology, etc. The course titles and credits may vary depending on the affiliate site but will adhere to the overall total of 32 credits at the 40000 level.

***Satisfies a University Core Requirement.**

[CC] Critical Course – a course that a student must be able to pass to persist and succeed in a particular major.

****A cumulative GPA of at least 3.00 and a minimum science (CHM, BIOL, PHYS, MA) GPA of at least 2.75 is required to apply for admission into the clinical year. Most Medical Laboratory Sciences students graduate in August. 3 years plus 1 year clinical (application required for clinical).**

Students must complete 32 credit hours of 30000 level or higher courses for graduation at Purdue University.
120 semester credits required for Bachelor of Science degree.

2.0 Graduation GPA required for Bachelor of Science degree.
The student is ultimately responsible for knowing and completing all degree requirements.
Degree Works is knowledge source for specific requirements and completion

A student may elect the Pass / Not-Pass (P/NP) grading option for elective courses only, unless an academic unit requires that a specific departmental course/s be taken P/NP. Students may elect to take University Core Curriculum courses P/NP; however, some major Plans of Study require courses that also fulfill UCC foundational outcomes. In such cases, students may not elect the P/NP option. A maximum of 24 credits of elective courses under the P/NP grading option can be used toward graduation requirements. For further information, students should refer to the College of Health and Human Sciences P/NP Policy.

Students are encouraged to use this advising worksheet as a resource when planning progress toward completion of degree requirements. An Academic Advisor may be contacted for assistance in interpreting this worksheet. This worksheet is not an academic transcript, and it is not official notification of completion of degree or certificate requirements. The University Catalog is the authoritative source for displaying plans of study. The student is ultimately responsible for knowing and completing all degree requirements