MEDICAL LABORATORY SCIENCES
MLAB-BS
MLAB
3 years plus 1 year clinical (application required for clinical)
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 2021

Additional Majors: __________________________________________________   Minors: _______________________________________________________________

Major Requirements (94 credits)
___ (3) AGRY 32000 Genetics
___ (3) BCHM 30700 Biochemistry
___ (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
___ (3) CHM 25500 Organic Chemistry
___ (1) CHM 25501 Organic Chemistry Laboratory
___ (3) CHM 25600 Organic Chemistry Laboratory
___ (1) CHM 25601 Organic Chemistry Laboratory
___ (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
___ (3) 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) STAT 30100 Elementary Statistical Methods

Science Selective – select a total of 7 credits from Science Selective List
___ ( ) ______________________________
___ ( ) ______________________________
___ ( ) ______________________________

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) ______________________________ Behavioral/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

Revised 5/2021
Note: Most Medical Laboratory Sciences students graduate in August

University Foundational Learning Outcomes List: https://www.purdue.edu/provost/students/s-initiatives/curriculum/courses.html

Science Selective List
Any 300 or above offering in the following areas:
BCHM
CHM
HSCI
NUTR

or
Any 200 or above offering in the following areas:
BIOL
ENTM
HDFS
MA
PHYS
PSY

or
Select offerings:
AGRY 32100 Genetics Laboratory
ANTH 20400 Human Origins
ANTH 21200 Culture, Food & Health
ANTH 53400 Human Osteology
MA 16020 Applied Calculus II
MA 16200 Plane Analytic Geometry & Calculus II
MA 16600 Analytical Geometry & Calculus II
PHYS 17200 Modern Mechanics
PUBH 22000 Sexuality & Health
PUBH 40000 Human Diseases and Disorders
PUBH 40500 Principles of Epidemiology

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.
**Suggested Arrangement of Courses:**

<table>
<thead>
<tr>
<th>Credits</th>
<th><strong>Fall 1st Year</strong></th>
<th>Prerequisite</th>
<th>Credits</th>
<th><strong>Spring 1st Year</strong></th>
<th>Prerequisite</th>
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<tbody>
<tr>
<td>4</td>
<td>*BIOL 11000&lt;sup&gt;CC&lt;/sup&gt;</td>
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<td>4</td>
<td>*BIOL 11100&lt;sup&gt;CC&lt;/sup&gt;</td>
<td>BIOL 11000</td>
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<tr>
<td>4</td>
<td>*CHM 11500&lt;sup&gt;CC&lt;/sup&gt;</td>
<td>MA 15400 or MA 15800 or ALEKS = 75</td>
<td>4</td>
<td>*CHM 11600&lt;sup&gt;CC&lt;/sup&gt;</td>
<td>CHM 11200 or 11500</td>
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<tr>
<td>2</td>
<td>HSCI 10100 Fall only</td>
<td></td>
<td>1</td>
<td>HSCI 13000 Spring only</td>
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<tr>
<td>3</td>
<td>*MA 16010&lt;sup&gt;CC&lt;/sup&gt;</td>
<td>ALEKS = 75 or MA 15400 = C- or 15800 = C-</td>
<td>3</td>
<td>*COM 11400&lt;sup&gt;CC&lt;/sup&gt;</td>
<td></td>
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<tr>
<td>4-3</td>
<td>*ENGL 10600&lt;sup&gt;CC&lt;/sup&gt; or 10800&lt;sup&gt;CC&lt;/sup&gt;</td>
<td></td>
<td>3</td>
<td>Humanities Core</td>
<td>Select from University</td>
</tr>
<tr>
<td>16-17</td>
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<th>Credits</th>
<th><strong>Fall 2nd Year</strong></th>
<th>Prerequisite</th>
<th>Credits</th>
<th><strong>Spring 2nd Year</strong></th>
<th>Prerequisite</th>
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<tr>
<td>4</td>
<td>*BIOL 20300&lt;sup&gt;CC&lt;/sup&gt; Fall only</td>
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<td>4</td>
<td>*BIOL 20400&lt;sup&gt;CC&lt;/sup&gt; Spring only</td>
<td>BIOL 20300</td>
</tr>
<tr>
<td>3</td>
<td>CHM 25500&lt;sup&gt;CC&lt;/sup&gt;</td>
<td>CHM 11200 or CHM 11600</td>
<td>3</td>
<td>CHM 25600&lt;sup&gt;CC&lt;/sup&gt;</td>
<td>CHM 25500</td>
</tr>
<tr>
<td>1</td>
<td>CHM 25501&lt;sup&gt;CC&lt;/sup&gt;</td>
<td>CHM 25500 or may be taken concurrently</td>
<td>1</td>
<td>CHM 25601&lt;sup&gt;CC&lt;/sup&gt;</td>
<td>CHM 25600 or may be taken concurrently</td>
</tr>
<tr>
<td>3</td>
<td>*HSCI 20200 Fall only</td>
<td>3 credits in BIOL &amp; CHM</td>
<td>3</td>
<td>*HSCI 20100 Spring only</td>
<td>Classification of 03</td>
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<td>*HSCI 13100</td>
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<td>*Behavioral/Social Sci Core</td>
<td>Select from University list</td>
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<th><strong>Fall 3rd Year</strong></th>
<th>Prerequisite</th>
<th>Credits</th>
<th><strong>Spring 3rd Year</strong></th>
<th>Prerequisite</th>
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<tbody>
<tr>
<td>4</td>
<td>BIOL 22100</td>
<td>BIOL 11000 &amp; CHM 11600</td>
<td>3</td>
<td>BCHM 30700&lt;sup&gt;CC&lt;/sup&gt;</td>
<td>CHM 25600</td>
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<tr>
<td>3</td>
<td>*STAT 30100&lt;sup&gt;CC&lt;/sup&gt;</td>
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<td>3</td>
<td>AGRY 32000</td>
<td>BIOL 11000</td>
</tr>
<tr>
<td>3-4</td>
<td>Science Selective</td>
<td>Select any offering from list below</td>
<td>3</td>
<td>HSCI 33300 Spring only</td>
<td>BIOL 20400/30200 &amp; BIOL 22100- may be taken currently</td>
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<tr>
<td>3</td>
<td>Science Selective</td>
<td>Select any offering from list below</td>
<td>3</td>
<td>English Selective</td>
<td>Select any 20000 level or above ENGL course</td>
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<td>2-3</td>
<td>Elective</td>
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<thead>
<tr>
<th>Credits</th>
<th><strong>Fall 4th Year</strong></th>
<th>Prerequisite</th>
<th>Credits</th>
<th><strong>Spring 4th Year</strong></th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td>16</td>
<td>^HSCI clinical courses - 10000-59999</td>
<td></td>
<td>16</td>
<td>^HSCI clinical courses - 10000-59999</td>
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</tr>
</tbody>
</table>

^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 at Purdue University for graduation. 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