

Medical Laboratory Science
Clinical or Research Curriculum Checklist

Freshman Year

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|-----------------------------------|--------------------------------------|
| _____ MLS 401 Introduction to MLS | _____ CHEM 404 General Chemistry |
| _____ ZOOL 507 Anatomy and Phys | _____ ZOOL 508 Anatomy and Phys |
| _____ CHEM 403, General Chemistry | _____ Statistics* |
| _____ ENGL 401 Freshman English | _____ Gen-Ed WI (Group 4,5,6,7 or 8) |
| _____ Gen-Ed (Group 4,5,6,7 or 8) | |

Sophomore Year

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| _____ MICR 503 General Microbiology | _____ MICR 602 Pathogenic Microbiology |
| _____ CHEM 545/6 Organic Chemistry | _____ MLS 660/1 Body Fluids |
| _____ BIOL 604 Genetics | _____ BCHM 658/9 Biochemistry |
| | _____ MLS 640 Phlebotomy Theory ** |

Junior Year

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| _____ MLS 644/5 Hematology | _____ MLS 642/3 Basic Immunology |
| _____ MLS 658/9 Medical Biochemistry | _____ MLS 720/1 Mycology/Parasit/Virology |
| _____ Molecular Diagnostics ***
<i>or Gen-Ed (Group 4,5,6,7,or 8)</i> | _____ Gen-Ed WI****(Group 4,5,6,7, or 8) |
| | _____ Gen-Ed (Group 4,5,6,7, or 8) |
| | _____ INCO 590 (research only) **** |

Senior Year

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| _____ MLS 656/7 Immunohematology
<i>or Cell Culture ****</i> | _____ Internship (24 weeks) |
| _____ Gen-Ed (Group 4,5,6,7, or 8)
<i>or Molecular Diagnostics***</i> | <i>or research courses****</i> |
| _____ MLS 602 MLS Seminars
<i>or research course****</i> | |
| _____ MLS 610 Laboratory Management | |

*The Math requirement may be filled by the following Statistics courses: BIO 528, PSYCH 402, SOC 502, HHS 540
 ** MLS 641 Phlebotomy Internship (1 credit) taken in the summer of your sophomore year or during the junior year.
 Not required for research students.
 *** Molecular Diagnostics is only offered in odd numbered years.
 **** Research student alternatives or additions. Research students that do not take MLS 602 must take a WI Gen-Ed Spring of junior year.

<u>General Education Requirements</u>			<u>4 Writing Intensive Courses</u>		<u>Total credits required = 128</u>	
<i>Group</i>	<i>Course</i>	<i>Completed</i>	<i>Course</i>	<i>Completed</i>	<i>Semester Cr.</i>	<i>Completed</i>
1	ENGL 401	_____	ENGL 401	_____	1	_____
2	Statistics	_____	MLS 610	_____	2	_____
3a	1 ZOOL or BIOL	_____	MLS 602 or Gen-Ed #	_____	3	_____
3b	2 CHEMS	_____	Gen-Ed #	_____	4	_____
4	_____	_____			5	_____
5	_____	_____			6	_____
6	_____	_____			7	_____
7	_____	_____			8	_____
8	_____	_____			9	_____
					10	_____

Medical Laboratory Science
Histology Curriculum Check List

Freshman Year

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Sophomore Year

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Junior Year

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Senior Year

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*The Math requirement may be filled by the following Statistics courses: BIO 528, PSYCH 402, SOC 502, HHS 540
** Molecular Diagnostics is only offered in odd numbered years.

<u>General Education Requirements</u>			<u>4 Writing Intensive Courses</u>		<u>Total credits required = 128</u>	
<i>Group</i>	<i>Course</i>	<i>Completed</i>	<i>Course</i>	<i>Completed</i>	<i>Semester</i>	<i>Cr. Completed</i>
1	ENGL 401	_____	ENGL 401	_____	1	_____
2	Statistics	_____	MLS 610	_____	2	_____
3a	1 ZOOLOG or BIOL	_____	Gen-Ed #	_____	3	_____
3b	2 CHEMS	_____	Gen-Ed #	_____	4	_____
4	_____	_____			5	_____
5	_____	_____			6	_____
6	_____	_____			7	_____
7	_____	_____			8	_____
8	_____	_____			9	_____
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Medical Laboratory Science
Pre-Professional Curriculum (A)

For MLS majors planning on attending a Physician Assistant or Pathologists' Assistant Program.

Freshman Year

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Sophomore Year

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Junior Year

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Senior Year

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*The Math requirement may be filled by the following Statistics courses: BIO 528, PSYCH 402, SOC 502, HHS 540

** MLS 641 Phlebotomy Internship (1 credit) taken in the summer of your sophomore year or during the junior year.

***Molecular Diagnostics is only offered in odd numbered years.

**** Alternative courses for Pathologists' Assistant curriculum.

<u>General Education Requirements</u>		<u>4 Writing Intensive Courses</u>		<u>Total credits required = 128</u>	
<i>Group</i>	<i>Course</i>	<i>Completed</i>	<i>Course</i>	<i>Completed</i>	<i>Semester Cr. Completed</i>
1	ENGL 401	_____	ENGL 401	_____	1
2	Statistics	_____	MLS 610	_____	2
3a	1 ZOOL or BIOL	_____	Gen-Ed #	_____	3
3b	2 CHEMS	_____	Gen-Ed #	_____	4
4	_____	_____		_____	5
5	_____	_____		_____	6
6	_____	_____		_____	7
7	_____	_____		_____	8
8	_____	_____		_____	9
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Medical Laboratory Science
Pre-Professional Curriculum (B) checklist
For MLS majors planning on attending Medical School

Freshman Year

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|--|---|
| _____ MLS 401 Introduction to MLS | _____ CHEM 404 General Chemistry |
| _____ BIOL 411 Principles of Biology 1 | _____ BIOL 412 Principles of Biology II |
| _____ CHEM 403 General Chemistry | _____ MATH 424 B or 425 Calculus |
| _____ ENGL 401 Freshman English | _____ Gen-Ed WI (Group 4,5,6,7 or 8) |
| _____ Gen-Ed (Group 4,5,6,7 or 8) | |

Sophomore Year

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|-------------------------------------|--|
| _____ MICR 503 General Microbiology | _____ MICR 602 Pathogenic Microbiology |
| _____ CHEM 651/3 Organic Chemistry | _____ MLS 660/1 Body Fluids |
| _____ BIOL 604 Genetics | _____ CHEM 642/4 Organic Chemistry |
| _____ MLS 640 Phlebotomy Theory* | _____ MLS 642/3 Basic Immunology |

Junior Year

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|---------------------------------------|---|
| _____ MLS 644/5 Hematology | _____ BCHM 658/9 Biochemistry |
| _____ Gen-Ed WI (Group 4,5,6,7, or 8) | _____ MLS 720/1 Mycology/Parasit/Virology |
| _____ Molecular Diagnostics ** | _____ Gen-Ed (Group 4,5,6,7, or 8) |
| or MLS 656/7 Immunochem | _____ PHYS 402 Physics*** |
| _____ PHYS 401 Physics | or ZOOLOGY 508 |

Senior Year

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|---|--------------------------|
| _____ MLS 656/7 Immunohematology
or Molecular Diagnostics ** | _____ ENGL WI 502 or 503 |
| _____ Gen-Ed (Group 4,5,6,7, or 8) | _____ MATH |
| _____ MLS 602 MLS Seminars | _____ Elective |
| _____ MLS 658/9 Medical Biochem | _____ Elective |

* MLS 641 Phlebotomy Internship (1 credit) taken in the summer of your sophomore year or during the junior year.

** Molecular Diagnostics is only offered in odd numbered years.

*** Students switching to the clinical curriculum should take ZOOLOGY 508 and then may participate in a clinical internship in their senior spring semester.

<u>General Education Requirements</u>			<u>4 Writing Intensive Courses</u>		<u>Total credits required = 128</u>	
<i>Group</i>	<i>Course</i>	<i>Completed</i>	<i>Course</i>	<i>Completed</i>	<i>Semester</i>	<i>Cr. Completed</i>
1	ENGL 401	_____	ENGL 401	_____	1	_____
2	Statistics	_____	MLS 610	_____	2	_____
3a	1 ZOOL or BIOL	_____	MLS 602 or Gen-Ed #	_____	3	_____
3b	2 CHEMS	_____	Gen-Ed #	_____	4	_____
4	_____	_____			5	_____
5	_____	_____			6	_____
6	_____	_____			7	_____
7	_____	_____			8	_____
8	_____	_____			9	_____
					10	_____

updated 7/08