

**AUBURN UNIVERSITY AT MONTGOMERY**  
**ONLINE PLAN OF STUDY**  
**COURSES REQUIRED FOR COMPLETION OF BACHELOR'S OF SCIENCE**  
**IN MEDICAL LABORATORY SCIENCE (MLS)**

<b>Pre-Professional MLS Requirements</b>	
<p><b><u>Written Composition:</u></b>            6 hrs (C or better in each course is required)            ENGL 1010      English Composition I            ENGL 1020      English Composition II</p> <p><b><u>Humanities and Fine Arts:</u></b>            12 hrs (Students <b>must</b> complete a 6-hour sequence in either literature or history. Students <b>must</b> take at least one course in literature and one course in fine arts (*). COMM 1010 or 2212 is <b>required</b>.)            COMM 1010      Intro. to Human Comm.            COMM 2212      Public Speaking            ENGL 2530      Survey of Eng. Lit. I            ENGL 2540      Survey of Eng. Lit. II            ENGL 2570      Survey of Am. Lit. I            ENGL 2580      Survey of Am. Lit. II            INTL/ENGL 2600    Sur. of Lit. West. World I            INTL/ENGL 2610    Sur. of Lit. West. World II            VISU 1000*      Art Appreciation            VISU 2030*      Art History I            VISU 2040*      Art History II            MUSI 2110*      Music Appreciation            PHIL 2000      Reas. and Crit. Thinking            PHIL 2010      Intro. to Philosophy            PHIL 2100      Applied Ethics            THEA 2040*      Theater Appreciation            FREN 1010/1020/2010/2020    French            GERM 1010/1020/2010/2020    German            SPAN 1010/1020/2010/2020    Spanish</p>	<p><b><u>History, Social and Behavioral Sciences</u></b>            12 hrs (Students <b>must</b> complete a 6-hour sequence in either literature or history. Students <b>must</b> take at least one course in history.)            INTL/ANTH 2110    Cultural Anthropology            ECON 1000      Essentials of Economics            ECON 2010      Economics I (Micro)            ECON 2020      Economics II (Macro)            INTL/GEOG 2050    Geo. of World Regions            INTL/GEOG 2150    Cultural Geography            HIST 1010      World History I            HIST 1020      World History II            HIST 1080      US History to 1877            HIST 1090      US History Since 1877            PSYC 1000      General Psychology            PSYC 2780      Human Growth &amp; Development            POLS 2020      Inst Am State Nat Gov            SOCI 2000      Intro. to Sociology            SOCI 2010      Social Problems</p> <p><b><u>Natural Sciences and Mathematics:</u></b>            (See Notes below for additional Science and Math information.)            BIOL 1010/1011    Cells, Molecules, &amp; Life 1 with lab            BIOL 2010/2011    General Microbiology            BIOL 2100/2101    Human Anatomy Physiology with lab            CHEM 1100/1101    General Chemistry I            CHEM 1200/1201    General Chemistry II            CHEM 2300/2301    Survey of Organic Chemistry            MATH 1150      Pre-Calculus Algebra/Trig            BIOL 2200      Biostatistics</p>

**Notes:**

The MLS Program requires a grade of "C" or better in all science and math courses.  
 Organic Chemistry I (CHEM 3100/3101) may be taken in place of CHEM2300/2301.  
 STAT 2670 and CSCI 1000 may be substituted for BIOL 2200

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**Two-Year Professional Phase Curriculum**

**First Year Professional Phase MLS Courses**

FALL SEMESTER		SPRING SEMESTER		SUMMER SEMESTER	
CLLS 3013 - Lab Techniques	4	CLLS 3243 - Clin Hematology I	4	CLLS 3253 - Clin Hematology II	3
CLLS 3103 - Immunology/Serology	3	CLLS 3353 - Mycology/Parasit I	3	CLLS 4080 - Manage/Education	3
CLLS 3203 - Urinalysis/Body Fluids	3	CLLS 3443 - Clin Chemistry I	4	(WI)	4
	10		11	CLLS 4453 - Clin Chemistry II	10

**Second Year Professional Phase MLS Courses**

FALL SEMESTER	SPRING SEMESTER	SUMMER SEMESTER

CLLS 3303 - Clin Microbiology I	3	CLLS 3153 - Immunohematology I	3	CLLS 4040 - Comp. Review	1
CLLS 4263 - Clin Hematology III (WI)	5	CLLS 3313 - Clin Microbiology II	4	CLLS 4163 - Immunohematology II	3
CLLS 4463 - Clin Chemistry III	2	CLLS 3503 - Perspectives in CLS	4	CLLS 4323 - Clin Microbiology III	4
	10		11		8

### Three-Year Professional Phase Curriculum

#### First Year Professional Phase MLS Courses

FALL SEMESTER		SPRING SEMESTER		SUMMER SEMESTER	
CLLS 3103 - Immunology/Serology	3	CLLS 3243 - Clin Hematology I	4	CLLS 3253 - Clin Hematology II	3
CLLS 3203 - Urinalysis/Body Fluids	3	CLLS 3353 - Mycology/Parasit I	3	CLLS 4080 - Manage/Education (WI)	3
	6		7		6

#### Second Year Professional Phase MLS Courses

FALL SEMESTER		SPRING SEMESTER		SUMMER SEMESTER	
CLLS 3013 - Lab Techniques	4	CLLS 3153 - Immunohematology I	3	CLLS 4163 - Immunohematology II	3
CLLS 4263 - Clin Hematology III	4	CLLS 3443 - Clin Chemistry I	4	CLLS 4453 - Clin Chemistry II	4
	9		7		7

#### Third Year Professional Phase MLS Courses

FALL SEMESTER		SPRING SEMESTER		SUMMER SEMESTER	
CLLS 3303 - Clin Microbiology I	3	CLLS 3313 - Clin Microbiology II	4	CLLS 4040 - Comp. Review	1
CLLS 4463 - Clin Chemistry III	2	CLLS 3503 - Perspectives in CLS	4	CLLS 4323 - Clin Microbiology III	4
	5		8		5

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