

**Tentative Plan of Study for B.S. Degree in
Medical Laboratory Science**

FALL	SPRING	SUMMER
ENGL 1010..... 3 hr CHEM 1100..... 3 hr CHEM 1101..... 1 hr MATH 1050 or 1120 or 1150..... 3 hr BIOL 2010 or 3010..... 3 hr BIOL 1011..... 1 hr UNIV 1000..... 1 hr	ENGL 1020..... 3 hr CHEM 1200..... 3 hr CHEM 1201..... 1 hr BIOL 2100..... 3 hr BIOL 2101..... 1 hr MATH 2200 or BIOL 2200 *..... 3 hr Core - HY/Soc&BehSci..... 3 hr	***** *Please Note: MATH 2200 or BIOL 2200 - Biostatistics (3 hr) may be taken in place of the two-course combination of MATH 2670 - Statistics (3 hr) and CSCI 1000 - Survey of Computer (3 hr). Also, BIOL 2110 - A&P II w/ lab is preferred but BIOL 2100 A&P I w/lab is acceptable. *****
FALL	SPRING**	SUMMER
CHEM 2300 or 3100**..... 3 hr CHEM 2301 or 3101**..... 1 hr BIOL 2010 or 3010..... 3 hr BIOL 2011 or 3011..... 1 hr Core - HY/Soc&BehSci..... 3 hr Core - Hum/F.A..... 3 hr Core - Hum/F.A..... 3 hr	COMM 1010 or 2212 or 2100..... 3 hr Core - HY/Soc&BehSci..... 3 hr Core - HY/Soc&BehSci..... 3 hr Core - Hum/F.A..... 3 hr **PLEASE SEE FOOTNOTE AT THE END OF THIS TABLE	***** Applications for the MLS Program are due during the Summer Semester. Applications and student handbooks are available from the Program Director, Room 208 Moore Hall. *****
FALL (Admission to MLS Program required)	SPRING	SUMMER
CLLS 3013..... 4 hr CLLS 3103..... 3 hr CLLS 3203..... 3 hr CLLS 3403..... 4 hr	CLLS 3153..... 3 hr CLLS 3243..... 4 hr CLLS 3303..... 3 hr CLLS 3323..... 2 hr CLLS 3433..... 4 hr	CLLS 3253..... 3 hr CLLS 3313..... 4 hr CLLS 3443..... 4 hr
FALL	SPRING	SUMMER
CLLS 4163..... 3 hr CLLS 4263..... 4 hr CLLS 4323..... 4 hr CLLS 4453..... 4 hr	CLLS 4080 WI..... 3 hr CLLS 4274..... 3 hr CLLS 4334..... 3 hr CLLS 4474..... 3 hr CLLS 4463..... 2 hr	CLLS 4040..... 1 hr CLLS 4054..... 1 hr CLLS 4114..... 1 hr CLLS 4174..... 2 hr CLLS 4214..... 1 hr CLLS 4364..... 1 hr

**BIOL 2110/2111 is highly recommended for MLS majors. CHEM 2103 may be required for Forensic Science. CHEM 3100/3101 and CHEM 3200/3201 (in place of CHEM 2300/2301) are required for Forensic Science/ Graduate School. See MLS advisor for information.

Written Composition: 6 hours (C or better in each course is required)

ENGL 1010 English Composition I
ENGL 1020 English Composition II

History, Social and Behavioral Sciences

12 hours (Students **must** complete a 6-hour sequence in literature or history. Students **must** 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 Geography of World Regions
INTL/GEOG 2150 Human Geography
HIST 1010 World History I
HIST 1020 World History II
HIST 1080 US History to 1877
HIST 1090 US History Since 1877
HIST 1060 Western Civilization to 1648
HIST 1070 Western Civilization since 1648
PSYC 1000 General Introductory Psychology
PSYC 2780 Human Growth & Development
POLS 2020 Introduction to American Politics
POLS 2200 International Relations
SOCI 2000 Introduction to Sociology
SOCI 2010 Social Problems

Humanities and Fine Arts: 12 hours (Students **must** complete a 6-hour sequence in literature or history. Students **must** take one literature course, one communications course and one course in fine arts (***)).

COMM 1010 Intro. to Human Commun.
COMM 2100 Media and Culture
COMM2212 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 Survey Lit. World I
INTL/ENGL 2610 Survey Lit. World II
VISU 1000*** Intro. to Visual Arts
VISU 2030*** Art History I
VISU 2040*** Art History II
VISU 2600 Architecture Appreciation
MUSI 2110*** Music Appreciation
PHIL 2000 Reason & Critical Thinking
PHIL 2010 Introduction to Philosophy
PHIL 2030 Logic
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

MLS Courses****

CLLS 3013 Laboratory Techniques
CLLS 3103 Immunology and Serology
CLLS 3153 Immunohematology I
CLLS 3203 Urinalysis & Body Fluids
CLLS 3243 Clinical Hematology I
CLLS 3253 Clinical Hematology II
CLLS 3303 Clinical Microbiology I
CLLS 3313 Clinical Microbiology II
CLLS 3323 Molecular Techniques in MLS
CLLS 3403 Clinical Instrumentation I
CLLS 3433 Methods of Drug Analysis
CLLS 3443 Clinical Chemistry I
CLLS 4040 Comprehensive Review
CLLS 4054 Phlebotomy
CLLS 4080 WI Lab Management & Education
CLLS 4114 Clinical Serology
CLLS 4163 Clin Immunohematology II
CLLS 4174 Clin Immunohematology III
CLLS 4214 Clinical Urinalysis
CLLS 4263 Clinical Hematology III
CLLS 4274 Clinical Hematology IV
CLLS 4323 Clinical Microbiology III
CLLS 4334 Clinical Microbiology IV
CLLS 4364 Clin Parasit & Mycology
CLLS 4453 Clinical Chemistry II
CLLS 4463 Clinical Chemistry III
CLLS 4474 Clinical Chemistry IV

**** The MLS Program requires a C or better in all science and math courses.

The MLS Program is accredited by
**NAACLS, 5600 N. River Rd, Suite720
Rosemont, IL, 60018-5119, (773)714-8880,
<http://www.naacls.org> or info@naacls.org**

**For additional information on the
MLS Program contact:**

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Dr. Li Qian.....244-3302
lqian@aum.edu

Natural Sciences and Mathematics**:**

*11 hour core requirement for Math and Science.
The remainders are CLS curriculum requirements.
BIOL 1010/1011 Cells, Molecules, & Life I
BIOL 2010/2011 Gen Microbiology
BIOL 3010/3011 Microbiology
BIOL 2093 Essen of Anat Phys w lab
BIOL 2100/2101 Human Anat Phys I
CHEM 1100/1101* General Chemistry I
CHEM 1200/1201* General Chemistry II
CHEM 2300/2301 Survey Org. Chem
CHEM 3100/3101 Organic Chem
MATH 1050 College Algebra
MATH 1120* Pre-Calc Algebra
MATH 1150* Pre-Calc Algebra/Trig
MATH/BIOL 2200 Biostatistics