

COLLEGE OF PHARMACY, NURSING & ALLIED SCIENCES

MAJOR: MEDICAL LABORATORY SCIENCE

ACADEMIC YEAR: 2013-2014

DEGREE TYPE: B.S.

REQUIRED DEGREE CREDITS TO GRADUATE: 122

GENERAL EDUCATION REQUIREMENTS – 40 CREDITS

Lower Division Requirements – 37 Credits

First Year Experience (F) - 1 Credit

UNIV	189	Skills for Academic Success	1 cr
Students transferring in 24 or more credits do not need to take UNIV 189.			

Communication (C) - 9 Credits

ENGL	110	College Composition I	3 cr
ENGL	120	College Composition II	3 cr
COMM	110	Fund of Public Speaking	3 cr

Quantitative Reasoning (R) - 3 Credits

STAT	330	Introduction to Statistics	3 cr
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Science & Technology (S) - 10 Credits

BIOL	220/L	Human Anatomy & Physiology/Lab	3/1 cr
CHEM	121/L	General Chemistry I/Lab	3/1 cr
CSCI	114 or 116	Microcomputer Packages Business Use of Computers	3 or 4 cr

Humanities & Fine Arts (A) - 6 Credits

Select from current general education courses www.ndsu.edu/registrar/gened/

Social & Behavioral Sciences (B) - 6 Credits

Select from current general education courses www.ndsu.edu/registrar/gened/

Wellness (W) - 2 Credits

Select from current general education courses www.ndsu.edu/registrar/gened/

Cultural Diversity (D)

Select from current general education courses www.ndsu.edu/registrar/gened/

Global Perspectives (G)

Select from current general education courses www.ndsu.edu/registrar/gened/

Upper Division Requirements - Writing – 3 Credits

ENGL	320, 321, 322, 323, 324, 325, 358, or 459		3 cr
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MEDICAL LABORATORY SCIENCE MAJOR REQUIREMENTS – 93-95

CREDITS

Major Courses - 33 Credits

MLS	111	Introduction to Medical Lab Science	1 cr
MLS	435	Hematology	2 cr
MLS	496	Internship	6 cr
MLS	496	Internship	12 cr
MLS	496	Internship	12 cr

Professional education (internship) within an accredited affiliated school of medical laboratory science includes the capstone experience.

Related Courses Required – 60-62 Credits (Includes credit from CHEM 121/L, BIOL 220/L, CSCI 114 or 116, and STAT 330)

BIOC	460/L	Found. of Biochemistry & Molecular Biology I	3/1 cr
BIOL	150/L	General Biology I/Lab	3/1 cr
BIOL	221/L	Human Anatomy & Physiology II/Lab	3/1 cr
CHEM	122/L	General Chemistry II/Lab	3/1 cr
MATH	103	College Algebra (or MATH 105 & higher)	3 cr
MICR	350/L	General Microbiology/Lab	3/2 cr
MICR	463	Clinical Parasitology	2 cr
MICR	460/L	Pathogenic Microbiology/Lab	3/2 cr
MICR	470	Basic Immunology	3 cr
MICR	471	Immunology & Serology Lab	2 cr
ZOO	315/L	Genetics/Lab	3/1 cr

Select one group from below

Group One:

CHEM	341/L	Organic Chemistry I/Lab	3/1 cr
CHEM	342	Organic Chemistry II	3 cr

Group Two:

CHEM	240	Survey of Organic Chemistry	3 cr
BIOC	461	Found. of Biochemistry & Molecular Biology II	3 cr

DEGREE ELECTIVES -2 CREDITS TO REACH 122

Degree Requirements and Notes:

- All required courses must be completed with a grade of 'C' or above. All students must maintain a semester GPA of 2.0 or above for each semester in the College. A student who fails to meet this standard for two successive or three non-successive semesters may be terminated from enrollment in the College of PNAS.
- Completion of the prerequisites does not guarantee a student internship. Selection of interns is competitive. Please consult your MLS advisor for more information.