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

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 Microcomputer Packages 3 or 4 cr
116 Business Use of Computers

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

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
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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.