

Northern Illinois University

College of Liberal Arts and Sciences B.S. Degree sequences

2023-24 catalog

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College Requirement for the B.S. Degree

Candidates for the degree in the College of Liberal Arts and Sciences must demonstrate competence in laboratory science/mathematical/computational skills equivalent to that attained through two years of regular college instruction. This requirement may be met by completing four courses or sequences from the lists below. The four courses/sequences must be selected from at least two of the three groups (A/B/C). Students should note that the sequences listed below are intended to be minimum requirements for the B.S. degree and that some departments have additional course requirements in the laboratory/mathematical sciences for their majors. Students seeking the B.S. degree should check the catalog for the requirements of a particular major to determine which of the following courses to complete and which additional courses may be required for that major.

Undergraduate students who are seeking a double major that includes a B.S. in the College of Liberal Arts and Sciences, and who have satisfied the requirements for a B.S. degree in another college, will be considered to have satisfied the college B.S. requirements as long as all other required course work in the CLAS degree-granting program has been completed.

Group A. Mathematics

*MATH 206 - Introductory Discrete Mathematics (3),

OR *MATH 210 - Finite Mathematics (3)

*MATH 211 - Calculus for Business and Social Science (4),

OR *MATH 229 - Calculus I (4)

MATH 230 - Calculus II (4)

MATH 232 - Calculus III (4)

MATH 240 - Linear Algebra and Applications (4)

Group B. Computation

CSCI 210 - Elementary Programming (4)

CSCI 230 - Computer Programming in FORTRAN (4)

CSCI 240 - Computer Programming in C++ (4)

CSCI 250 - Computer Programming in COBOL (4)

ECON 391 - Introduction to Quantitative Economics (3)

*STAT 200 - Elementary Statistics (4)

STAT 300 - Introduction to Probability and Statistics (3)

UBUS 223 - Introduction to Business Statistics (3)

Group C. Lab Sciences

*BIOS 103 - General Biology (3)

AND *BIOS 105 - General Biology Laboratory (1)

BIOS 208 - Fundamentals of Cellular Biology (3)
AND BIOS 210 - Fundamentals of Cellular Biology Laboratory (1)
BIOS 209 - Fundamentals of Organismal Biology (3)
AND BIOS 211 - Fundamentals of Organismal Biology Laboratory (1)
BIOS 213 - Introductory Bacteriology (3)
BIOS 357 - Human Anatomy and Physiology (5)
*CHEM 210 - General Chemistry I (3)
AND *CHEM 212 - General Chemistry Laboratory I (1)
*CHEM 211 - General Chemistry II (3)
AND *CHEM 213 - General Chemistry Laboratory II (1)
*EAE 101 - Introduction to Environmental Geography (3)
AND EAE 102 - Introduction to Environmental Geography Laboratory (1)
*EAE 105 - Weather, Climate, and You (3)
AND EAE 106 - Weather and Climate Laboratory (1)
*EAE 120 - Planet Earth (3)
AND *EAE 121 - Planet Earth Laboratory (1)
*EAE 256 - Maps and Mapping (3)
EAE 302 - Soil Science (3)
EAE 320 - Environments and Life Through Time (4)
EAE 359 - Introduction to Geography Information Systems (3)
MET 300 - Meteorology (4)
*PHYS 210 - General Physics I (4)
*PHYS 211 - General Physics II (4)
*PHYS 253 - Fundamentals of Physics I: Mechanics (4)
*PHYS 273 - Fundamentals of Physics II: Electromagnetism (4)

The Office of Testing Services administers a Mathematics Placement Examination to each student at the time of admission, interprets the test, and notifies the student of the result and the appropriate initial mathematics course. The student should also note that it is possible to take a proficiency test in any of the courses listed in the above sequences.

* Available for general education credit.