# Molecular Biology Comprehensive, Bachelor of Science

Offered by Department of Biology (http://catalog.unk.edu/undergraduate/departments-programs/biology/)

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## General Studies

**Foundational Requirements (LOPERS 1-4)**

Including:

- LOPER 4: Mathematics, Statistics, and Quantitative Reasoning

  Take 1 of the following:
  - MATH 115 Calculus I with Analytic Geometry
  - or MATH 123 Applied Calculus I

**Broad Knowledge Requirements (LOPERS 5-8)**

Including:

- LOPER 8: Natural Science
  - CHEM 160 General Chemistry
  - & 160L General Chemistry Laboratory

## Dispositional Requirements (LOPERS 9-10)

- Wellness (LOPER 11) Optional

## BS Science-related course requirements

- PHYS 205 General Physics I
  - & 205L General Physics I Laboratory

## Program-Specified Requirements

- CHEM 161 General Chemistry
  - & 161L General Chemistry Laboratory

## Major Option

- Complete all required courses

## Unrestricted electives

- Needed to reach 120 credit hour minimum

## Total Credit Hours

- 120

A minimum 2.5 GPA is required in all courses counting toward this major.

## Major Option

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### Molecular Biology Comprehensive Core Requirements

- BIOL 105 Biology I
- BIOL 106 Biology II
- BIOL 231 Research Methods I
- BIOL 290 Evolution
- BIOL 309 Cellular & Molecular Biology
- BIOL 360 Genetics
- BIOL 450 Advanced Molecular Biology

Take two hours from the following:

- BIOL 421 Seminar in Biology

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1. The Molecular Biology degree requires a minimal mathematical competency at the level of calculus. Students with sufficient preparation may enter the mathematics program at a higher level. Students are required to take a LOPERS 4: Mathematics, Statistical, and Quantitative Reasoning course regardless of entry level. See advisor for math placement.

2. Designated courses with the appropriate content may be approved to satisfy one of the Broad Knowledge requirements plus LOPER 9 or Broad Knowledge plus LOPER 10. Courses may be approved to satisfy LOPER 9 or LOPER 10 alone. (Courses satisfying LOPER 9 or LOPER 10 alone must be 3 credit hours.) Students applying this option will need to take additional hours in other categories to meet the required GS hours.