

MATHEMATICS MAJOR

Students seeking teaching licensure may earn no grade lower than a C in both major **and** all licensure coursework.*

*This statement added to the catalog 12/2024, though the policy is not new.

Requirements

Degree Requirements

This major is available as a bachelor of arts or bachelor of science degree, as defined in the section on degree requirements (<http://catalog.linfield.edu/degrees-and-programs/undergraduate/ba-bs-bsn/>) for all majors in this catalog.

Major Requirements

42 credits

Code	Title	Credits
MATH 170	CALCULUS I	5
MATH 175	CALCULUS II	3
MATH 200	VECTOR CALCULUS	5
MATH 250	LINEAR ALGEBRA	4
MATH 370	ELEMENTARY ANALYSIS	4
MATH/DATA 485	SENIOR SEMINAR	3
Select an additional 18 credits in MATH courses numbered 200 or above, at least two courses (minimum 6 credits) of which must be numbered 300 or above.		18
Total Credits		42

Students planning on graduate study in mathematics should plan their programs with their advisors to include more than the minimum indicated.

Student Learning Outcomes

- possess an understanding and appreciation of the breadth and beauty of the mathematical sciences and their deep interconnecting principles;
- are able to work independently and confidently in mathematical situations;
- develop a solid understanding of the core fundamentals of undergraduate mathematics. Furthermore, students have the ability to communicate mathematical ideas with precision, clarity, and organization; and
- possess a positive attitude toward and derive enjoyment from studying and applying mathematics.

Oregon Preliminary Teaching Licensure in Mathematics

Students who are also seeking an Oregon Preliminary Teaching License must also complete a Secondary Education major with Licensure. In order to complete the Secondary Education major with Licensure, students should begin taking education courses no later than their sophomore year. The student must be advised by faculty in both majors. Alternatively, students may complete a Teaching Certificate (<http://catalog.linfield.edu/programs-az/online-continuing-education/certificate-programs/secondary-education-teaching-certificate-oce/>) program at Linfield after degree completion. Students should seek advice from the Education Department Director if you are considering the post-graduation certificate option.