

MATHEMATICS

Minimum courses required: **10 or 11**

The department recommends that at least **five courses** be completed by the end of the second year.

Students who are considering attending graduate school in mathematics are strongly encouraged to take both Math 301: Real Analysis and Math 321: Abstract Algebra.

For those students who place out of Calculus, the major consists of a minimum of 10 courses. Any additional course(s) needed to meet the minimum requirement will be determined in consultation with the student's advisor and the Math Program coordinator. Students who are unable to take Math 401: Senior Seminar may substitute a 300-level course chosen in consultation with their advisor and the Math Program coordinator.

To major in mathematics, a student needs at least a **C+** for the average of their Calculus I and Calculus II grades. No course used to fulfill the major requirements may be taken on a pass/fail basis. At least one 300-level course must be taken at Wheaton.

Mathematics majors are encouraged to take either Comp 115: Robots, Games and Problem Solving and Comp 116: Data Structures or Physics 228: Scientific Computing.

| Course requirement | Semester Taken |
|--|----------------|
| 1. MATH 101: Calculus I | _____ |
| 2. MATH 104: Calculus II | _____ |
| 3. MATH 211: Discrete Mathematics | _____ |
| 4. MATH 221: Linear Algebra | _____ |
| ONE of the following courses: MATH 151: Introduction to Data Science MATH 342: Mathematical Statistics | |
| 5. _____ | _____ |
| ONE of the following courses: MATH 301: Real Analysis MATH 321: Abstract Algebra | |
| 6. _____ | _____ |
| TWO courses at the 300-level or above (MATH 342 may be one of these): | |
| 7. _____ | _____ |
| 8. _____ | _____ |
| TWO additional electives chosen from: Any 200-level Mathematics course Any 300-level Mathematics course | |
| 9. _____ | _____ |
| 10. _____ | _____ |
| 11. MATH 401: Senior Seminar | _____ |