



MATHEMATICS MAJOR¹

Program Learning Outcomes (PLOs):

1. Students will be able to construct mathematical proofs in at least one specialized area of mathematics.
2. Students will be able to present a talk on a mathematical topic that was learned on their own outside of the classroom.
3. Students will be able to manipulate algebraic expressions correctly.
4. Students will use accurate terminology and correct notation.
5. Average senior scores on standardized tests such as the GRE mathematics specialty exam will be above the 50th percentile for all students taking the exam.

First Year Courses

Fall Semester	Spring Semester
MTH 222 (PLO 3, 4, 5) PHY 101	MTH 223 (PLO 3, 4, 5)

Second Year Courses

Fall Semester	Spring Semester
MTH 307 (PLO 1, 2, 3, 4, 5) MTH 302 (PLO 1, 2, 3, 4, 5) CPS 150	MTH 308 (PLO 1, 2, 3, 4, 5) MTH 303 (PLO 1, 3, 4, 5) CPS 201

Third Year Courses

Fall Semester	Spring Semester
MTH 310 or MTH 404 (PLO 1, 2, 3, 4, 5) MAJOR ELECTIVES ((PLO 1, 2, 3, 4, 5)	MTH 312 or MTH 401 (PLO 1, 2, 3, 4, 5)

¹ This 4 year plan/curriculum map is for informational purposes and reflects the 2020-2021 Undergraduate Catalog. All Heidelberg students are strongly encouraged to work with their academic advisors to develop an individualized 4 year plan.



The Owen Center for
Teaching & Learning

Fourth Year Courses

Fall Semester	Spring Semester
MTH 402 (PLO 1, 2, 3, 4, 5) MTH 490 (PLO 2, 3, 4, 5)	MTH 305 or MTH 403 (PLO 1, 2, 3, 4, 5)