

Houghton University

Mathematics BA

(32 hours in core; 4–8 prerequisite hours)

Total Major LA Credits: 0

Mathematics Major Requirements

Credits

Liberal Arts

Prerequisite Course* (4-8 hours)

MATH 1

Core Courses (20 hours)

MATH 182 Calculus II

4

LA

MATH 210 Introduction to Proofs

2

LA

MATH 261 Linear Algebra

4

LA

MATH 325 Real Analysis I

4

LA

MATH 361 Abstract Algebra I

4

LA

MATH 482 Senior Capstone: Mathematics Seminar

2

LA

Mathematics Electives* (12 hours)

Degree Requirements

Earned a C- or above in each Major/Concentration/Minor credit	<input type="checkbox"/>
Minimum of 124 credit hours completed	
Minimum of 93 Liberal Arts credits	
At least 50% of major completed through Houghton	<input type="checkbox"/>
30 credit hours from Houghton	<input type="checkbox"/>
18 of the last 24 credit hours are from Houghton	<input type="checkbox"/>

Official degree and program requirements are housed in the Registrar's Office. This degree audit worksheet serves as an advising tool; it is not a contract, an academic transcript, or an official notification of completion of degree/program requirements. It is the student's responsibility to be aware of and understand the requirements of his/her degree program. If assistance is needed, students should consult their academic advisor and the University's academic catalog.

*Detailed Options

Prerequisite Options

MATH 181 Calculus I

4

LA

MATH 170/171 Calculus I with Pre-calculus A and B

4, 4

LA

Mathematic Elective Options

Choose Mathematics electives above 210 to total 12 hours; at least 4 hours must be 300-level or higher.

Recommendations

Often, Math majors will take more math courses than the minimum requirements. This is strongly recommended for those planning to attend graduate school. It is highly recommended that teachers of math take *MATH 333 Probability & Statistics (LA)* or *MATH 351 Modern Geometrics (LA)*