

Houghton University

Computer Science BS

(32–33 hours in core; 8–12 corequisite hours; 3–4 elective hours)

Total Major LA Credits: 0

Computer Science Major Requirements

Credits

Liberal Arts

Corequisite Courses* (8-12 hours)

MATH		
MATH 210 Introduction to Proofs	2	LA
MATH/CSCI 214 Discrete Mathematics	2	LA

Core Courses* (32-33 hours)

CSCI 211 Programming I	4	
CSCI 218 Programming II	4	
CSCI 226 Computer Architecture	4	LA
CSCI 236 Data Structures and Algorithms	4	
CSCI 340 Databases	4	
CSCI 345 Machine Learning	4	LA
CSCI 3		
CSCI 480 Senior Capstone: Senior Seminar	4	LA
STEM 371 Career Seminar	1	

Electives* (3-4 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 62 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

Corequisite Options

MATH 181 Calculus I or MATH 170/171 Calculus I with Pre-calculus A and B

Core Course Options

CSCI 380	Collaborative Research in Computer Science	4	LA
CSCI 393	Summer Collaborative Research in Computer Science	3-4	LA

Elective Options

CSCI XXX	Any CSCI course numbered above 218	4	
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MATH 225	Multivariate Calculus	4	LA
MATH 261	Linear Algebra	4	LA
PHYS 171	Introduction to Engineering Design	2-3	