HOUGHTON UNIVERSITY

2022-2023 Houghton University Degree Audit Sheet

Student:	**Minimum 124 semester hours required for graduation** **18 of the last 24 hours must be at Houghton** **Must have 30 hours at Houghton** **One half of major must be at Houghton** *Must have C- or above in each course to meet Major, Concentration, or Minor credit* *Must have 62 liberal arts credits for a BS degree*
Major: **Data Science**	
Minor:	
BS Advisor:	

Data Science Major	***61-64 hrs***
General Education *(see GenEd Audit Sheet)*	
Half of credits listed below must be taken at Houghton	
Core Requirements	**49-52 hrs**
(4) CSCI 211 Programming I	(3-4) BADM/PSY 309 Statistics LA
(4) CSCI 218 Programming II	(4) PSY 312 Advanced Applied Statistics (LA) *or* CSCI 315 Big Data & Cloud Computing
(4) CSCI 236 Data Structures & Algorithms	(4) DSCI 211 Data Science I LA
(4) CSCI 312 Computational Statistics LA	(4) DSCI 212 Data Science II LA
(4) CSCI 340 Databases LA	(4) DSCI 380 Collaborative Research in Data Science LA
(4) CSCI 345 Machine Learning LA	(4) DSCI 480 Senior Capstone Seminar LA
Choose one course from below options in Digital Communication or Development Communication	
(4) ART 245/COMM 243 Graphic Design I	(4) COMM/ART 284 Introduction to Digital Imaging
(4) ART/COMM 224 Motion Media Design & Animation LA	(4) COMM 314 New Media & Society LA
(4) ART/COMM 228 Digital Video I	(2) COMM XXX ST: Data Visualization LA
(4) COMM 232 Introduction to Web Communication LA	
Cognate chosen from 5 focus area options below, designed with faculty advisor*	**12 hrs**
Public Sector/Nonprofit Applications; Data Journalism; Natural Science; Behavioral & Social Science; Business & Industry	
Course in Data Analysis (e.g. POLS/SOC 312)	Course in Disciplinary Support Application
( )	( )
Course in Presentation of Data	Data Science Internship (DSCI 289/389/489)
( )	(0-6)
	**see catalog & advisor for more detailed information*

10-07-22