2018-2019 **Houghton College 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 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	
Major Core Requirements	**49-52 hrs**
(4) DSCI 210 Data Science I LA	(4) DSCI 211 Data Science II LA
(4) CSCI 211 Programming I	(4) CSCI 218 Programming II
(4) CSCI 236 Data Structures & Algorithms	(3-4) BADM/PSY 309 Statistics LA
(4) CSCI 345 Machine Learning LA	(4) CSCI 312 Computational Statistics LA
(4) CSCI 340 Data Bases LA	(4) PSY 312 Advanced Applied Statistics (LA) or CSCI 395 Big Data & Cloud Computing
(4) DSCI 480 Senior Capstone Seminar in Data Science LA	(4) DSCI 380 Collaborative Research in Data Science LA
Chose one course from below options in Digital Communication or Development Communication	
(4) COMM 232 Introduction to Web Communication	(4) COMM/ART 224 Time, Motion & Communication
(4) ART 245 Graphic Design I	(4) COMM 314 New Media & Society
(4) COMM 228 Digital Video I	(4) COMM 284 Introduction to Digital Imaging
(4) INCL 347 Development Comm & Grant Writing	(2) COMM ST: Data Visualization
Cognate chosen from five focus area options below designed with faculty advisor	***12 hrs***
Public Sector/non-profit applications; Data Journalism; Natural Science; Behavioral & Social Science; Business & Industry	
( ) *Course in Data Analysis*	( ) *Course in Disciplinary Support Application*
( ) *Course in Presentation of Data*	(0-6) Data Science Internship
( )	( )
( )	( )

03-08-18