2016-2017 **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)***

Integrative Studies *(see IS Audit Sheet – 2nd Creation met by major)*

Half of credits listed below must be taken at Houghton

Major Core Requirements		**49-52 hrs**
(4) Data Science I LA	(4) Data Science II LA	
(4) Programming I	(4) Programming II	
(4) Data Structures & Algorithms	(3-4) Statistics LA	
(4) Machine Learning LA	(4) Computational Statistics LA	
(4) Data Bases LA	(4) Advanced Applied Statistics (LA) ***OR*** Big Data & Cloud Computing	
(4) Senior Capstone Seminar in Data Science LA	(4) Collaborative Research in Data Science LA	

Chose <u>one</u> course from below options in Digital Communication or Development Communication	
(4) Introduction to Web Communication	(4) Time, Motion & Communication
(4) Graphic Design I	(4) New Media & Society
(4) Digital Video I	(4) Introduction to Digital Imaging
(4) Development Communication & Grant Writing	(2) 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
( )	( )
( )	( )

08-09-16