Student Name: _____   ID: _____

Minor in Data Science - Requirement Tracking Sheet
Note: Per University policy, 9 credits at the 300[+] level must be unique to the minor (*i.e.* can't also be used towards a student's major).

Course Number	Course Title	Credits	Grade Earned Semester Taken
Required Courses – must be completed with a C or better			
Choose 1	CIS 180 Object-Oriented Programming I **or**	4	
	MTH 280 Introduction to Scientific Programming **or**	4	
	ECE 160 Foundations of Computer Engineering I **or**	4	
	CIS 115 Computer Program With C	3	
DSC 101	Introduction to Data Science	3	
DSC 201	Data Analysis & Visualization	3	
Choose 1	MTH 152 Calculus II **or**	4	
	MTH 154 Calculus for Applied Science & Eng II **or**	4	
	MTH 221 Linear Algebra	3	
Choose 1	MTH 231 Elementary Statistics I: Exploratory Data Analysis **or** MTH 332 Mathematical Statistics	3	
DSC Electives – Three Courses Required – must be completed with a C or better			
In addition to the courses listed below, most 300+ level CIS and MTH courses (excluding CIS 495, CIS 498, CIS 499, and MTH 495) can be used as Technical Electives. See your COIN advisement report or the Undergraduate Catalog for the detailed list.			
AXD 363	Virtual Reality Design	3	
AXD 446	Advanced Topics in Animation + Game Arts Topic for AXD 446 must be an advanced topic relating to AXD 363.	3	
DSC 301	Matrix Methods for Data Analysis	3	
DSC 468	Data Visualization	3	
EGR 333	Intro to Geographic Info Systems	3	
MIS 315	Information Systems	3	
MIS 332	Business Data Systems	3	
MIS 432	Database Design and Implementation	3	
PHL 319	Information and Technology Ethics	3	
CIS or MTH		3	
CIS or MTH		3	
CIS or MTH		3	