

**Name:**

**Date:**

## **M.S. in Data Science**

### **Requirements for Graduate Admission**

This form must be completed and submitted with your application to indicate that you have the background in mathematics and computer science that is necessary for success in the Data Science program.

Applicants must have basic programming experience (in any programming language) and completed undergraduate mathematics through the level of Calculus 1 and Linear Algebra and Statistics. The programming and mathematics requirements prepare the students for the key courses in the curriculum, such as Statistics for Data Science (Calculus 1, Linear Algebra, Statistics, Programming), Data Mining (Statistics, Programming), Data Visualization (Statistics), Machine Learning (Calculus 1, Linear Algebra, Statistics, Programming), and Big Data Analytics (Statistics, Programming).

If you are missing any of the pre-requisite requirements, we will help design a one-semester/summer transitional curriculum for you to help you acquire the necessary skills before starting the M.S. program. Please contact Dr. Manfred Minimair ([manfred.minimair@shu.edu](mailto:manfred.minimair@shu.edu)) for details.

### **Prerequisite Worksheet**

<b>Prerequisite</b>	<b>Course Taken to Fulfill the Prerequisite</b>	<b>Institution Offering the Course</b>	<b>Credits (if applicable)</b>	<b>Grade (Letter or Passed)</b>	<b>Date of Grade</b>
<b>Programming</b>					
<b>Calculus 1</b>					
<b>Linear Algebra</b>					
<b>Statistics</b>					