1st Year				
Fall			**Winter**	
CIS 660: Data Engineering	3		CIS 635: Knowledge Discovery and Data Mining	3
CIS 677: High-Performance Computing	3		CIS 671: Information Visualization	3
or CIS 678: Machine Learning			STA 518: Statistical Computing and Graphics with R	3
PSM 662: Seminar in Professional Science Practice	2			
PSM 691-10: Internship	1			
Total	9		**Total**	9
2nd Year				
Fall			**Winter**	
PSM 650: Ethics & Professionalism in Applied Science	3		PSM 691-03: Internship	3
			STA 526: Multivariate Data Analysis	3
STA 631: Statistical Modeling and Regression	3		STA 632: Statistical Modeling II	3
Elective	3			
Total	9		**Total**	9

- This is a suggested curriculum guide that might not be applicable to every student.
- Students must have 36 credits to graduate, with a minimum of 24 credits taken at GVSU.
- Students must maintain a 3.0 GPA to graduate.
- Elective must be approved by Data Science & Analytics Graduate Program Director.
- It is recommended that PSM 662 be completed prior to/during your internship.

Admission Requirements
Grade point average of 3.0 from undergraduate work
Resume detailing work experiences and accomplishments
Personal statement of career goals and background experiences, including an explanation of how this program will help achieve educational and professional objectives
Recommendations: Two professional or academic recommendations received online, addressing the candidate's potential for graduate study completion. You will provide the emails of two references in your account at www.gvsu.edu/gradapply, and they will be sent a link to fill out their online recommendation.
Programming language knowledge, preferably Python (pre-attendance College of Computing foundational courses will be required to make up the deficit)
STA 610 (or **applied statistics** knowledge)