Austin Peay State University

Masters of Science in Computer Science and Quantitative Methods
Predictive Analytics Concentration
Sample Two-Year Degree Plan

	First Year Summer	
	MATH 5170: Finite Math*	3
✓	**First Year Fall Semester**	**SCH**
	STAT 5050: Probabilistic & Statistical Reasoning**	3
	STAT 5270: Nonparametric Statistics	3
	TOTAL SCH	**6**
✓	**First Year Spring Semester**	**SCH**
	STAT 5120: Regression Analysis***	3
	CSCI 5010: Database Management Concepts****	3
	TOTAL SCH	**6**
✓	**First Year Summer Semester**	**SCH**
	STAT 5200: SAS Programming	3
	MATH 5310: Machine Learning	3
	TOTAL SCH	**3**
✓	**Second Year Fall Semester**	**SCH**
	STAT 5125: The Generalized Linear Model	3
	CSCI 5080: Data Mining Applications	3
	TOTAL SCH	**6**
✓	**Second Year Spring Semester**	**SCH**
	STAT 5290: Predictive Analytics	3
	STAT 5140: Time Series Analysis	3
	TOTAL SCH	**6**
✓	**Second Year Summer Semester**	**SCH**
	STAT 5910: Capstone Project	3
	TOTAL SCH	**3**
	Total Student Credit Hours for Degree	**33**

* MATH 5170 covers basic calculus, matrix algebra, and probability required for the program. This course is often waived.
** STAT 5050 is a prerequisite for STAT 5120.
*** STAT 5120 is a prerequisite for STAT 5125, STAT 5290, and STAT 5140.
**** CSCI 5010 is a prerequisite for CSCI 5080.