Austin Peay State University

Professional Science Masters 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
	LDSP 5100: Leadership for the Scientist-Manager	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
	COMM 5110: Leadership and Communication	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 5900: Professional Science Internship	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.**