Austin Peay State University

Master of Science in Computer Science and Quantitative Methods
Data Management and Analysis Concentration
*Sample Two-Year Degree Plan (Systems Development Project)

✓	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
	CSCI 5010 – Database Management Concepts *	3
	CSCI 5015 – Data Science in Python *	3
	COMM 5110 – Leadership and Communication	3
	TOTAL SCH	**9**
✓	First Year Summer Semester	SCH
	CSCI 5020 – Data Management Applications **	3
	TOTAL SCH	**3**
✓	Second Year Fall Semester	SCH
	CSCI 5040 – Big Data Modeling and Management	3
	CSCI 5060 – Database-Driven Web Development ***	3
	CSCI 5080 – Data Mining Applications ***	3
	TOTAL SCH	**9**
✓	Second Year Spring Semester	SCH
	CSCI 5095 – Data Mining Projects	3
	CSCI 5910 – Master's Systems Development Project	3
	TOTAL SCH	**6**
	Total Student Credit Hours for Degree	**33**

* CSCI 5010 is a prerequisite for CSCI 5020 and CSCI 5080.
   CSCI 5015 is a prerequisite for CSCI 5040.
** CSCI 5020 is a prerequisite for CSCI 5060.
*** CSCI 5060 and CSCI 5080 are prerequisites for CSCI 5095.