



**MASTER OF DATA SCIENCE
UNOFFICIAL DEGREE PLANNING SHEET
August 2017**

T-Transfer Credit
M-Maryville Credit

Student Name _____ I.D.# _____

CORE COURSES (Required 7 Courses From Below)	M	T	ELECTIVE COURSES	M	T
MATH 502 R Programming (3)			MATH 501 Mathematical Modeling with Tech		
MATH 504 SQL Database Programming (3)			MATH 503 Python Programming (3)		
MATH 505 Regression and Time Series (3)			MATH 510 Risk Theory (3)		
MATH 508 Machine Learning (3)			MATH 514 Theory of Interest (3)		
MATH 512 Predictive Modeling (3)			MATH 515 Financial Mathematics I (3)		
MATH 572 Mathematical Statistics III (3)			MATH 516 Financial Mathematics II (3)		
MATH 597 Capstone Project (3)			MATH 521 Actuarial Modeling I (3)		
			MATH 522 Actuarial Modeling II (3)		
One Track From Below			MATH 607 Simulation and Credibility(3)		
Data Science Actuarial Science Track			MATH 610 Enterprise Risk Management		
ACSC 521 Actuarial Modeling I (3)			MATH 611 Derivative Markets (3)		
ACSC 522 Actuarial Modeling II (3)			MATH 599 Internship (3)		
			MATH 699 Internship (3)		
Data Science Statistics Track			MATH 612 Experimental Design (3)		
MATH 506 Statistical Modeling (3)			MATH 613 NoSQL Database (3)		
MATH 612 Experimental Design (3)			MATH 614 Data Mining (3)		
Data Science ERM Track					
MATH 510 Risk Theory (3)					
MATH 610 Enterprise Risk Management (3)					
Data Science Big Data Track			Required total 36 credits		
MATH 613 NoSQL Database (3)					
MATH 614 Data Mining (3)					

