



MASTER OF SCIENCE IN DATA SCIENCE
DEGREE PLANNING SHEET

T-Transfer Credit
M-Maryville Credit

Student Name _____ I.D.# _____ Registrar Signature: _____

Graduate

DATA SCIENCE REQUIRED COURSES (24 Credits of DSCI 500+ level)	M	T	DATA SCIENCE ELECTIVES (12 Credits of any ACSC, MATH, DSCI 500+ level)	M	T
DSCI 501 Math Modeling (3)			MATH 505 Statistical Modeling I (3)		
DSCI 502 Introduction to R (3)			MATH 506 Statistical Modeling II (3)		
DSCI 503 Introduction to Python (3)			MATH 570 Probability I (3)		
DSCI 504 Introduction to SQL (3)			MATH 571 Probability II (3)		
DSCI 507 SAS Programming (3)			MATH 572 Mathematical Statistics (3)		
DSCI 508 Machine Learning (3)			ACSC 510 Risk Theory (3)		
DSCI 512 Predictive Modeling (3)			ACSC 514 Theory of Interest (3)		
DSCI 597 Capstone Project (3)			ACSC 515 Financial Mathematics (3)		
DSCI 609 Forecasting Principles (3)			ACSC 516 Corporate Finance I (3)		
DSCI 613 NoSQL Database (3)			ACSC 526 Corporate Finance II (3)		
DSCI 614 Data Mining (3)			ACSC 594 Actuarial Seminar I (3)		
DSCI 617 Big Data Analytics (3)			ACSC 595 Actuarial Seminar II (3)		
DSCI 618 Experimental Design (3)			ACSC 599/699 Internship (3)		
DSCI 619 Deep Learning (3)			ACSC 607 Loss Models (3)		
DSCI 624 Data Analysis and Visualization (3)			ACSC 610 Introduction to ERM (3)		
DSCI 625 Blockchain (3)			ACSC 611 Derivative Market (3)		
DSCI 697 Thesis/Research (3)			ACSC 695 Actuarial Models III (3)		
			ACSC 696 Statistical Modeling III (3)		
REMARKS:					
1. Last 30 credits from Maryville University					
2. Total 36 credits for graduation					