



## MASTER OF SCIENCE IN ACTUARIAL SCIENCE DEGREE PLANNING SHEET

T-Transfer Credit  
M-Maryville Credit

Student Name \_\_\_\_\_ I.D.# \_\_\_\_\_ 2017

<b>ACTUARIAL SCIENCE CORE COURSES</b> (Required 18 Credit Hours)	M	T	<b>ACTUARIAL SCIENCE ELECTIVES</b> (Required 12 Credit Hours)	M	T
ACSC 505 Statistical Modeling I (3)			ACSC 514 Theory of Interest (3)		
ACSC 506 Statistical Modeling II (3)			ACSC 515 Financial Mathematics I (3)		
ACSC 521 Actuarial Modeling I (3)			ACSC 516 Financial Mathematics II (3)		
ACSC 522 Actuarial Modeling II (3)			ACSC 570 Mathematical Statistics I (3)		
ACSC 597 Research (3)			ACSC 571 Mathematical Statistics II (3)		
ACSC 607 Simulation & Credibility (3)			ACSC572 Mathematical Statistics III (3)		
ACSC 611 Derivative Market (3)			ACSC 594 Seminar for Actuarial Exam I (3)		
ACSC 697 Thesis (3)			ACSC 595 Seminar for Actuarial Exam II (3)		
ACSC 599/699 Internship (Variable Credit)			ACSC 610 Enterprise Risk Management (3)		
<b>TECHNOLOGY CORE COURSES</b> (Required 6 Credit Hours)			ACSC 694 Special Studies (Variable Credit)		
			ACSC 695 Actuarial Modeling III (3)		
MATH 502 Introduction to R (3)			ACSC 696 Statistical Modeling III (3)		
MATH 504 Introduction to SQL (3)			ACSC 698 Topics in Actuarial Science (3)		
MATH 508 Machine Learning (3)					
ACSC 512 Predictive Modeling (3)			<b>SOA EXAMS ( Two Exams are Required)</b>		
			P, FM, MLC, MFE, C		

*Students are required to complete 36 credits and two SOA EXAMS to graduate.*