

ACTUARIAL SCIENCE

B.S. DEGREE PLANNING SHEET

 T-Transfer Credit
 M-Maryville Credit

Student Name _____

I.D.# _____

Registrar Signature: _____

GENERAL EDUCATION (Minimum 47 Credits)	M	T	ACTUARIAL SCIENCE CORE (Required 52 Credits)	M	T
I. LITERACY (5 courses)			DSCI 201 Math Modeling -Excel (3)		
INTD 101-University Seminar (Required for Freshmen)			ACSC 305 Insurance and Risk (3)		
ENGL 101 Writing I: The Writing Process (3)			ACSC 414 Theory of Interest (3)		
ENGL 104 Writing II: Research & Argumentative (3)			MATH 251 Calculus III (4)		
SPCH 110 Oral Communication (3)			DSCI 302 Introduction to R (3)		
MATH 151 Calculus I (4)			ACSC 415 Financial Mathematics (3)		
II. HUMANITIES (5 courses)			MATH 316 Applied Linear Algebra (3)		
A. Fine Arts (1 course)			MATH 370 Probability I (3)		
Art, Music, Performance, Aesthetics			MATH 371 Probability II (3)		
B. Literature/Language (1 course)			MATH 372 Mathematical Statistics (3) VEE		
ENGL or Foreign Language			ACSC 394 Actuarial Seminar I (3)		
C. Philosophy (1 course)			MATH 405 Statistical Modeling I (3)		
D. Humanities Electives (2 courses)			ACSC 411 Derivative Market (3)		
ENGL, The Arts/Aesthetics, Foreign Language,			ACSC 416 Corporate Finance I (3) VEE		
HUM, PHIL, REL			ACSC 421 Actuarial Modeling I (3)		
III. MATH/SCIENCE (2 courses)			ACSC 422 Actuarial Modeling II (3)		
BIOL, CHEM, PHYS, SCI (1 course)			ACSC 495 Actuarial Seminar II (3)		
MATH 152 Calculus II			RECOMMENDED ELECTIVES		
IV. SOCIAL SCIENCE (3 courses)			ACSC 407 Loss Models (3)		
Amer. History or Government			ACSC 410 Introduction to ERM (3)		
Electives (at least 2 disciplines)			ACSC 496 Actuarial Seminar III (3)		
HIST, PSCI, PSYC, SOC, COMM, ECON			ACSC 498 Actuarial Seminar IV (3)		
RECOMMENDED BUSINESS COURSES			ACSC 299/399/499 Internship (3)		
ACCT 210 Financial Accounting (3) VEE			COSC 150 - Introduction to Java Programming (3)		
ECON 203 Principles of Economics (3) VEE			COSC 151 - Computer Science I (3)		
			DSCI 200 Foundations of Data Science (3)		
			DSCI 301 Math Modeling –VBA (3)		
			DSCI 303 Introduction to Python (3)		
REMARKS:			DSCI 304 Introduction to SQL (3)		
60 hours at 4-year institution(s)			DSCI 307 SAS Programming (3)		
Last 30 hours at Maryville			DSCI 408 Machine Learning (3)		
½ of the major at Maryville			DSCI 412 Predictive Modeling (3)		
Total credits =128			DSCI 417 Big Data Analytics (3)		