



**ACTUARIAL SCIENCE
B.S. DEGREE PLANNING SHEET**

T-Transfer Credit
M-Maryville Credit

Student Name _____ I.D.# _____ Registrar Signature: _____ 2017

GENERAL EDUCATION (Minimum 48 Credit Hours)	M	T	ACTUARIAL SCIENCE CORE (Required 52 Credit Hours)	M	T
I. LITERACY (5 courses)			ACSC 201 Math Modeling w/Technology I (3)		
INTD 101-University Seminar (Required for Freshmen)			MATH 251 Calculus III (4)		
ENGL 101 University Seminar (3)			ACSC 301 Math Modeling w/Technology II (3)		
ENGL 104 Composition: The Essay (3)			MATH 302 Introduction to R (3)		
SPCH 110 Oral Communication (3)			MATH 304 Introduction to SQL(3)		
ACSC/MATH 151 Calculus I (4)			ACSC 305 Insurance and Risk (3)		
II. HUMANITIES (5 courses)			MATH 316 Applied Linear Algebra (3)		
A. Fine Arts (1 course)			ACSC 370 Mathematical Statistics I (3)		
Art, Music, Performance, Aesthetics			ACSC 371 Mathematical Statistics II (3)		
B. Literature/Language (1 course)			ACSC 372 Mathematical Statistics III (3)		
ENGL or Foreign Language			ACSC 405 Statistical Modeling I (3)		
C. Philosophy (1 course)			ACSC 406 Statistical Modeling II (3) VEE		
D. Humanities Electives (2 courses)			ACSC 414 Theory of Interest (3)		
ENGL, The Arts/Aesthetics, Foreign Language,			ACSC 415 Financial Mathematics I (3)		
HUM, PHIL, REL, COMM			ACSC 416 Financial Mathematics II (3) VEE		
III. MATH/SCIENCE (2 courses)			ACSC 421 Actuarial Modeling I (3)		
BIOL, CHEM, PHYS, SCI (1 course)			ACSC 422 Actuarial Modeling II (3)		
MATH 152 Calculus II			ACSC 299/399/499 Internship (Variable Credit)		
IV. SOCIAL SCIENCE (3 courses)			ACTUARIAL SCIENCE ELECTIVES (Required 19 Credit Hours)		
Amer. History or Government			ACSC 213/413 Topics in Actuarial Science (1)		
Electives (at least 2 disciplines)			ACSC 297/397/497 Special Studies (Variable Credit)		
HIST, PSCI, PSYC, SOC, COMM			ACSC 394 Seminar for Actuarial Exam I (3)		
V. CORE ELECTIVES			ACSC 407 Simulation & Credibility (3)		
Additional electives to reach total of 48 credit hours			ACSC 408 Machine Learning (3)		
			ACSC 410 Introduction to ERM (3)		
BUSINESS CORE (Required 9 Credit Hours)			ACSC 411 Derivative Market (3)		
ACCT 210 Financial Accounting (3) VEE			ACSC 412 Predictive Modeling (3)		
ECON 201 Macroeconomics (3) VEE			ACSC 495 Seminar for Actuarial Exam II (3)		
ECON 202 Microeconomics (3) VEE			SOA EXAMS (One Exam is Required)		
			P, FM, MLC, MFE, C		

UNOFFICIAL GRADUATION CHECK: When you have reached Senior Status, check with the Registrar's Office to make sure that this sheet agrees with permanent file.
 52 Actuarial Major Core Credits+19 Actuarial Major Elective credits +9 Business Core credits+48 General Core credits= **128 credit hours total.** (Last 30 credits Residency).
 Actuarial Science: 2/20/2017