

**MARYVILLE  
UNIVERSITY**

**ACTUARIAL SCIENCE  
DEGREE PLANNING SHEET with  
The Accelerated Master's Option**

SAINT LOUIS

T-Transfer Credit  
M-Maryville Credit  
Admitted

Student Name \_\_\_\_\_ I.D.# \_\_\_\_\_ Registrar Signature: \_\_\_\_\_

**CORE-SPRING 2007 (48)**

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<b>I. LITERACY (4 courses)</b>			<b>BUSINESS CORE – Required (9)</b>		
Dialogues			ACCT 210 Financial Accounting (3)		
ENGL 101			ECON 201 Macroeconomics (3)		
ENGL 104			ECON 202 Microeconomics (3)		
SPCH 110					
ACSC/MATH 151 Calculus I			<b>ACTUARIAL SCIENCE MAJOR REQUIRED COURSES (40)</b>		
<b>II. HUMANITIES (5 courses)</b>			MATH 251 Calculus III (4)		
A. Fin Arts (1 course)			MATH 316 Applied Linear Algebra (3)		
			ACSC/MATH 201 Math Modeling w/Technology I (3)		
Art, Music, Performance, Aesthetics			ACSC/MATH 301 Math Modeling w/Technology II (3)		
B. Literature/Language (1 course)			ACSC 305 Insurance and Risk (3)		
ENGL or Foreign Language			ACSC/MATH 370 Mathematical Statistics I (3)		
C. Philosophy (1 course)			ACSC/MATH 371 Mathematical Statistics II (3)		
D. Humanities Electives (2 courses)			ACSC/MATH 372 Mathematical Statistics III (3)		
ENGL, The Arts/Aesthetics, Foreign Language,			ACSC 414 Theory of Interest (3)		
HUM, PHIL, REL			ACSC 415 Financial Mathematics I (3)		
			ACSC 416 Financial Mathematics II (3)		
<b>III. MATH/SCIENCE (2 courses other than major)</b>			ACSC 394 Seminar for Actuarial Exam I (3)		
BIOL, CHEM, PHYS, SCI (1 course)			ACSC 495 Seminar for Actuarial Exam II (3)		
MATH 152 Calculus II					
<b>IV. SOCIAL SCIENCE (3 courses)</b>			Elective Courses		
			ACSC 293/393/493 Cooperative Education (Variable Credit)		
Amer. History or Government			ACSC 296/396/496 Independent Studies (Variable Credit)		
Electives (at least 2 disciplines)			ACSC 297/397 Special Studies (Variable Credit)		
HIST, PSCI, PSYC, SOC			ACSC 497 Actuarial Science Seminar III (3)		
<b>V. CORE ELECTIVES</b>					
Additional electives to reach total of 48 hrs			Continue to Next Page		

<b><u>Students Have to be accepted by the Early Accelerated Master's Option in order to take Dual Courses</u></b>	
<b>ACTUARIAL SCIENCE MAJOR REQUIRED DUAL COURSES (12)</b>	
ACSC 521	Actuarial Modeling I (3)
ACSC 522	Actuarial Modeling II (3)
ACSC 505	Statistical Modeling I (3)
ACSC 506	Statistical Modeling II (3)
<b><u>Students have to have the B.S in order to take the following courses.</u></b>	
<b>ACTUARIAL SCIENCE MASTER MAJOR REQUIRED COURSES (12)</b>	
ACSC 607	Simulation & Credibility
ACSC 610	Financial Economic Theory and Engineering
ACSC 611	Derivative Market
ACSC 698	Topics in Actuarial Science
<b>ACTUARIAL SCIENCE MASTER MAJOR ELECTIVE COURSES (12)</b>	
ACSC 510	Risk Theory (3)
ACSC 593/693	Actuarial Internship
ACSC 694	Special Studies
ACSC 695	Actuarial Modeling III
ACSC 696	Statistical Modeling III
ACSC 597/697	Thesis and Research (Variable Credit)
<b>ACTUARIAL SCIENCE MASTER MAJOR REQUIRED</b>	

One SOA (Society of Actuaries) professional Exam  
Undergraduate with accelerated Master Option student needs

40 Actuarial Major Credits,  
9 Business Core credits,  
48 General Core credits,  
19 Elective credits,  
Total of 116 Undergraduate only credits,

Plus  
12 Actuarial Major Dual Credits

Plus  
12 Actuarial Master Required Credits  
12 Actuarial Master Elective Credits  
One SOA professional Exam

Students with 100 undergraduate credits, at least 20 at Maryville University and GPA 3.6 Can apply early Accelerated Master's Option.

116 Undergraduate Cr. Hrs. \_\_\_\_12 Dual Cr Hrs \_\_\_\_, 24 Graduate Cr. \_\_\_\_\_, one professional exam\_\_\_\_,48 upper division credits \_\_\_\_\_ Major Requirements\_\_\_\_ Minor Requirements\_\_\_\_ Last 30 hr. residency

**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.

Actuarial Science:10/15/08