

Student Name: _____

Perm: _____

B.S. / M.S. DEGREE – ACTUARIAL SCIENCE – _____

In addition to departmental requirements, candidates for graduate degrees must fulfill University requirements described in the "Graduate Education" section of the UCSB General Catalog.

*A total of **52.0 units** are required for the B.S. program. 44 units are core course requirement, and 8 are elective courses. A total of **39.0 units** are required for the M.S. program. 27 units are core course requirement, and 12 are elective courses. For the combined B.S./M.S. program, there are a total of **91.0 units** required.*

B.S. CORE COURSE REQUIREMENTS (44.0 units total)				
COURSE #	COURSE NAME	QUARTER/YEAR TAKEN	UNITS	GRADE
PSTAT 120A	Probability and Statistics		4.0	
PSTAT 120B	Probability and Statistics		4.0	
PSTAT 120C	Probability and Statistics		4.0	
PSTAT 126	Regression Analysis		4.0	
PSTAT 130	SAS Base Programming		4.0	
PSTAT 160A	Applied Stochastic Processes		4.0	
PSTAT 160B	Applied Stochastic Processes		4.0	
PSTAT 170	Introduction to Mathematical Finance		4.0	
PSTAT 171	Mathematics of Fixed Income Markets		4.0	
PSTAT 172A	Actuarial Statistics I		4.0	
PSTAT 172B	Actuarial Statistics II		4.0	

M.S. CORE COURSE REQUIREMENTS (27.0 units total)				
COURSE #	COURSE NAME	QUARTER/YEAR TAKEN	UNITS	GRADE
PSTAT 213A	Intro. to Probability Theory and Stochastic Processes		4.0	
PSTAT 223A	Financial Modeling		4.0	
PSTAT 231	Data Mining		4.0	
PSTAT 274	Time Series		4.0	
PSTAT 296A	Intro to Research in Actuarial Science		4.0	
PSTAT 296B	Research Projects in Actuarial Science		4.0	
PSTAT 263 (1 unit/quarter for 3 quarters)	Seminar		3.0	
	Seminar			
	Seminar			

B.S. UNDERGRADUATE ELECTIVES (8.0 units total)

B.S. Electives must be selected from the B.S. Actuarial Science major sheet

COURSE #	COURSE NAME	QUARTER/YEAR TAKEN	UNITS	GRADE
			4.0	
			4.0	

M.S. GRADUATE ELECTIVES (12.0 units total)

M.S. Electives must be selected from the course list below*

COURSE #	COURSE NAME	QUARTER/YEAR TAKEN	UNITS	GRADE
			4.0	
			4.0	
			4.0	

*** M.S. GRADUATE ELECTIVES**STUDENTS ARE REQUIRED TO TAKE **12 UNITS** OF THE FOLLOWING ELECTIVE COURSES:

PSTAT 105	Nonparametric Methods
PSTAT 173	Risk Theory
PSTAT 175	Survival Analysis
PSTAT 207ABC	Statistical Theory
PSTAT 210	Measure Theory
PSTAT 213 BC	Intro to Stochastic Processes
PSTAT 215A	(MCMC) Bayesian Inference
PSTAT 223BC	Financial Modeling
PSTAT 232	Computational Techniques in Statistics
MATH 104ABC	Numerical Analysis
MATH 108AB	Linear Algebra
MATH 117	Methods of Analysis
MATH 118ABC	Intro to Real Analysis
MATH 124AB	Partial Differential Equations
MATH 132AB	Introduction to Operations Research
ECON 100B or ECON 104AB	Intermediate Microeconomics
ECON 101	Intermediate Macroeconomics
ECON 134AB	Financial Management
ECON 140ABC	Intro to Econometrics
ECON 205AB	Economics Modeling
ECON 208	Topics in Macroeconomic Theory and Policy
ECON 234AB	Finance

CAPSTONE REQUIREMENTS

During the required course sequence PSTAT 296AB, Research for Actuaries, students will complete research projects in the area of actuarial science as their graduate program capstone requirement. Each project will be supervised by at least one member of the department's ladder faculty and approved by a project committee that includes at least two members of the department's ladder faculty.

CONTINUATION TO THE Ph.D.

Continuation to the Ph.D. in the department of Statistics & Applied Probability is subject to the student's academic performance being deemed excellent by all standards that the department uses to assess degree progress including exams, grades, coursework, and timely progress towards the degree. Students must demonstrate an ability to work independently and to make innovative and original contributions to the critical literature of the field.

B.S. DEGREE REQUIREMENTS SATISFIED: _____
Quarter/Year

M.S. DEGREE REQUIREMENTS SATISFIED: _____
Quarter/Year

Dept. Director of Actuarial Program Signature: _____

Print Name

Date

Dept. Graduate Advisor Signature: _____

Print Name

Date

FOR GRADUATE DIVISION USE ONLY

Residence Requirement (3 quarters)	
Required Units Completed (39.0)	
No Incomplete Grades	
3.0 or Better GPA Overall	
B or Better in All Graduate Courses (200-level)	
Registered Quarter of Degree or Paid Filing Fee	
M.S. Degree Awarded (quarter): _____	