

# Actuarial Science BS

Fall Quarter	Units	Winter Quarter	Units	Spring Quarter	Units
<b>FIRST YEAR</b>					
CS 008 <i>Introduction to computing</i>	4	CS 009P <i>Introduction to Python Programming</i>	4	BUS 020 <i>Financial Accounting and Reporting</i>	4
BUS 010 <i>Intro to Business</i>	4	ENGL 001B <i>Intermediate Composition</i>	4	Breadth Course	4
ENGL 001A <i>Beginning Composition</i>	4	MATH 009B <i>First Year Calculus</i>	4	MATH 009C <i>First Year Calculus</i>	4
MATH 009A <i>First Year Calculus</i>	4	STAT 010 <i>Introduction to Statistics</i>	5	ECON 003 <i>Introduction to Microeconomics</i>	5
<b>SECOND YEAR</b>					
MATH 046 <i>Introduction to Ordinary Differential Equations</i>	4	STAT 107 <i>Introduction to Statistical Computing w/R</i>	4	Math 031 <i>Applied Linear Algebra</i>	5
BUS 133 <i>Accelerated Foundations of Finance</i>	4	BUS 100W and ENGL 007 <i>Management Writing and Communication</i>	4	BUS FIN or OCSM Course	4
ECON 002 <i>Introduction to Macroeconomics</i>	5	MATH 010A <i>Multivariable Calculus</i>	4	MATH 010B <i>Multivariable Calculus</i>	4
Breadth Course	4	Breadth Course	4	Breadth Course	4
<b>THIRD YEAR</b>					
ECON 104A <i>Intermediate Microeconomics Theory</i>	5	ECON 104B <i>Intermediate Microeconomics Theory</i>	5	STAT 160C <i>Elements of Probability and Statistical Theory</i>	4
STAT 160A <i>Elements of Probability and Statistical Theory</i>	4	STAT 160B <i>Elements of Probability and Statistical Theory</i>	4	STAT Elective Course 1 of 2 <i>STAT 161 or 167 or 170 or 171</i>	4
BUS FIN or OCSM Course	4	BUS FIN or OCSM Course	4	BUS FIN or OCSM Course	4
Breadth Course	4	Breadth Course	4		
<b>FOURTH YEAR</b>					
STAT 146 <i>Statistical Forecasting Techniques</i>	4	STAT Elective Course 2 of 2 <i>STAT 161 or 167 or 170 or 171</i>	4	BUAS 101 <i>Foundations of Insurance</i>	4
BUS FIN or OCSM Course	4	BUS FIN or OCSM Course	4	General Elective	4
BUS FIN or OCSM Course	4	BUS FIN or OCSM Course	4	General Elective	4

To earn a B.S., you must complete all College and University requirements. For a complete list: [catalog.ucr.edu](http://catalog.ucr.edu).

### ENGLISH COMPOSITION\*

A "C" or better is required in three quarters of English Composition courses to satisfy the graduation requirement. BUS 100W fulfills the third quarter of English Composition.

### BREADTH REQUIREMENTS

#### Work with BUS Advisor regarding BUAS breadth

English (3 courses)

- ENGL 001A
- ENGL 001B
- BUS 100W and ENGL 007

Humanities: (3 courses)

- World History
- Fine Arts, Lit, Phil or Rlst\*
- One additional Humanities course

Social Sciences: (3 courses)

- Econ or Posc (ECON 003)
- Anth, Psyc, or Soc\*
- One additional Social Science course (ECON 002)

Ethnicity\*: (1 course) (Recommend double count with Humanities or Social Science)

Natural Science and Mathematics (5 courses)

- Biological Sciences course
- Mathematics course (Math 009A)
- Physical Science course

D. Two Additional courses from Mathematics (8 units) (MATH 009B or 009C, MATH 010A or 010B, MATH 031, or MATH 046)

Course Plan is subject to change.