

**2011-13 Cal Poly Catalog****College of Science and Mathematics****ACTUARIAL PREPARATION MINOR**

Actuaries are professional risk managers that assess the likelihood and impact of future, uncertain events. They use their quantitative skills to prepare businesses for the financial impact of the risk to which they are exposed. Actuaries must meet rigorous standards for admission to professional societies. To be called an actuary in the United States, one must become an Associate or Fellow of the Society of Actuaries (SOA) or the Casualty Actuarial Society (CAS).

The Actuarial Preparation Minor provides education in probability, financial mathematics, and mathematical statistics. The coursework will satisfy the Validation by Educational Experience (VEE) requirements of the SOA and CAS, and will help students prepare for the actuarial exams, which are also prerequisite to SOA or CAS membership.

The minor is open to any major, but it is especially suited to students in statistics, mathematics, and business/finance. Students interested in the minor should consult the website <http://statistics.calpoly.edu/content/actuary>.

Additional information about the actuarial profession, societies, and exams, as well as additional suggested coursework, is available at the website above.

**Core courses (Validation by Educational Experience)**

(20)	<i>Units</i>
ECON 221 Microeconomics .....	4
ECON 222 Macroeconomics (D2) .....	4
BUS 342 Fundamentals of Corporate Finance .....	4
STAT 324 Applied Regression Analysis .....	4
STAT 416 Statistical Analysis of Time Series <i>or</i> ECON 406 Applied Forecasting .....	4
(3/28/12)	

**Approved electives (8)**

BUS 431 Security Analysis and Portfolio Mgt <i>or</i> BUS 439 Fixed Income Securities/Markets .....	4
STAT 325 Intro to Probability Models <i>or</i> STAT 425 Probability Theory <i>or</i> STAT 305 .....	4
(6/25/15)	<hr/> 28