



# ACTUARIAL SCIENCE PROGRAM

UNIVERSITY OF CALIFORNIA, SANTA BARBARA

Actuaries analyze the financial consequences of risk. They use mathematics, statistics, and economics to study uncertain future events, and are a vital part of the insurance and financial industries. UCSB's award-winning Actuarial Science program is the only one of its kind in California, offering both a BS degree and a BS/MS 5-year degree!



UCSB is one of four inaugural winners of the **2016 Casualty Actuarial Society University Award**.



UCSB Actuarial Program was recognized as a Center of Actuarial Excellence (CAE) by the Society of Actuaries 2015-2017, Current SOA recognition tier: **UCAP-AP**



The BS Actuary Program offers students the opportunity to enroll in the innovative **5-year BS/MS in Actuarial Science graduate program**. This model program integrates traditional actuarial courses with financial mathematics and computational statistics.



During the course of the BS program, students will learn to use SAS, R, Matlab, or Python to complete projects. Students will also complete an upper-division writing course focusing on communications skills imperative to success in the business world.



In 2015, the Society of Actuaries awarded our program a CAE Education Grant to support project-based research training in actuarial science.



Wawanesa Insurance established the **Wawanesa Scholarship in Actuarial and Financial Mathematics & Statistics** in Fall of 2016 to help fund exceptional third and fourth year students in the field.



Course offerings cover 90% of the learning objectives in the preliminary SOA/CAS examinations and beyond. UCSB also offers SOA-approved courses for all VEE subjects.



The **UCSB Actuarial Association**, run by elected student officers, organizes meetings with actuarial recruiters, helps members form exam study groups, offers student-led workshops, and coordinates social gatherings to help create a warm atmosphere of friendship and support that fosters future professional connections.



The **Actuarial Exam Fee Reimbursement Program** reimburses exam fees for students who have passed SOA/CAS exams beyond exam P, encouraging students to pass more than two exams while at UCSB.



UCSB's **Actuarial Program Advisory Board** is comprised of Fellows from both SOA and CAS, members of American Academy of Actuaries, Chief Actuaries, Vice Presidents, owners of insurance companies, and more.



Ranked as #1 in value for Actuary B.S. degrees by Online Accounting Degree Programs.

The distinctive feature of our Actuarial Program is a two-quarter course sequence **Research Project in Actuarial Science**, required of graduate students pursuing the BS/MS, and also available to top undergraduates pursuing the BS. Guided by faculty, teams of students apply different approaches to research projects provided by our industry partners, including CSAA Insurance Group, Towers Watson, William Sansum Diabetes Clinic, Vitality Group, Allstate, and Santa Barbara Cottage Hospital.



- UCSB Annual **Actuary Day**, held each year in the Spring, raises awareness of actuarial professions on campus
- The Annual **Actuarial Career Fair** helps to bring further actuarial companies in contact with our students.
- In January 2017, UCSB hosted the second **California Actuarial Student Summit**, attracting students from campuses throughout the state.
- The **49th Actuarial Research Conference**, held at UCSB in June 2014, was a major international industry and academic event.

The **Center for Financial Mathematics and Actuarial Research (CFMAR)**, directed by Drs. Jean-Pierre Fouque and Michael Ludkovski, plays a major role in promoting financial mathematics, actuarial science, and related fields at UCSB. PSTAT's **Actuarial Visitor Program**, launched in 2011, invites actuarial seminar speakers and visitors including Brad Smith FSA, Tom Terry FSA, Richard Manship ACAS, Frank Zhang CFA FRM FSA MScF PRM, Larry Stern FSA, Phelim Boyle FIA, and etc.



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