



# UCSB Probability & Statistics Actuarial Program



Presenters:

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UCSB Actuarial Association

Raya Feldman, Director of UG Program  
PSTAT



# PSTAT Home Page

## DEPARTMENT OF STATISTICS AND APPLIED PROBABILITY

[HOME](#) | [UNDERGRADUATE](#) | [GRADUATE](#) | [COURSES](#) | [RESOURCES](#) | [PEOPLE](#) | [NEWS AND EVENTS](#)

### About

Our department is a diverse community engaged in areas of education and research including Actuarial Science, Financial Mathematics, Theoretical Statistics, Applied Probability, and Biostatistics; this research spans a wide range of interdisciplinary fields including environmental science, computer science, and biomedical science. We are home to the Center for Mathematical Finance and Actuarial Research, an interdisciplinary research center providing leadership in quantitative finance. We also provide consulting services through our statistical consulting laboratory: StatLab.



### Announcements

Congratulations to PSTAT Alum Loren Nickell!

Loren Nickel, Class 1996, Director of Business Risk and Insurance at Google, is the 2017 RIMS Risk Manager of the year!

### Upcoming Events

6th Annual UCSB Actuarial Career Fair  
2017

October 12, 2017 -  
11:00am to 2:30pm

The UCSB Actuarial Association is proud to

- We encourage students to utilize their resources
- The Department of Statistics and Applied Probability website ([www.pstat.ucsb.edu](http://www.pstat.ucsb.edu)) is an excellent tool available for students at any time
- Learn about our majors, upcoming events, seminars and more!

<http://www.pstat.ucsb.edu/index.htm>



# Actuarial Program Home Page

## DEPARTMENT OF STATISTICS AND APPLIED PROBABILITY

HOME UNDERGRADUATE GRADUATE COURSES RESOURCES PEOPLE NEWS AND EVENTS ABOUT GIVING

### ACTUARIAL SCIENCE PROGRAM

The Department of Applied Probability and Statistics at UCSB hosts an exceptional Actuarial Program, only one of its kind in California and only one of two on the entire USA West Coast.

CSB Actuarial Program was recognized as a Center of Actuarial Excellence (CAE) by the Society of Actuaries. UCSB is one of the four winners of the 2016 Casualty Actuarial Society (CAS) University Award in the program's inaugural year.

UCSB Actuarial Program ranked #1 in the nation by the Online Accounting Degrees.

#### Undergraduate Menu

Majors

Minor

▶ Actuarial Science Program

BS in Actuarial Science

BS/MS in Actuarial Science

Actuaries

Actuarial Exams & VEE Coursework

Actuarial Association

Actuarial Connection

More Information

Scholarships

Student Clubs

Advising

Undergraduate Research

Resources

Tutors

FAQs

Alumni

#### Join Our Listservs

Statistical Science Major

#### Actuarial Program

B.S. in Actuarial Science  
Five-Year Combined B.S. and M.S. in Actuarial Science  
Actuarial Exams and VEE Coursework Information  
Other PSTAT Undergraduate Programs  
PSTAT Graduate programs  
296AB Applications

#### Actuarial Connection

UCSB Actuarial Association (UCSB AA)  
UCSB Facebook Actuary Club  
Actuarial Program mail list  
UCSB Actuarial Program Advisory Board  
Actuarial Program Highlights/Photo  
Actuaries in the News

#### More Resources

Actuarial Exam Reimbursement Program and Scholarships  
Actuarial Academic/Career Resources  
Campus Resources  
Career Advice for Actuaries

Data Science Club  
Study Abroad Program  
Resume Submission: **CLOSED**  
Donate to UCSB Actuarial Program

Find everything  
you need to  
know about our  
Actuarial  
Science Major!

<http://www.pstat.ucsb.edu/instruction/actuary.htm>



# Check Out Our ListServ!

- There is a listserv designed for each of the majors offered by the PSTAT Department, as well as one for graduate students.
- Students will receive a variety of important emails straight from the Undergraduate Advisor and other faculty members
- Gives access to announcements, events, job and internship postings and additional information regarding their major!

**Sign up for your major's LIST SERV  
with these EASY steps!!**

First, visit our website @ [www.pstat.ucsb.edu](http://www.pstat.ucsb.edu)  
⇒ Click on the tabs **Programs > Undergraduate**.  
⇒ Select your current major.  
(Statistical Science/Actuarial/FMS)  
⇒ Find the underlined link titled "**[Major] mail list**".  
⇒ Follow the instructions & fill out the necessary information using **your umail**.  
*And start receiving important updates today!*

*\*If you have any questions/problems, please feel free to contact the department: [workstudy@pstat.ucsb.edu](mailto:workstudy@pstat.ucsb.edu)*



# Actuarial Science B.S.

[http://www.pstat.ucsb.edu/instruction/actuary\\_science.htm](http://www.pstat.ucsb.edu/instruction/actuary_science.htm)

## Undergraduate Menu

- Major
- Minor
- Actuarial Science Program
  - BS in Actuarial Science**
    - Transfer Student Guidelines
  - BS/MS in Actuarial Science
  - Actuaries
  - Actuarial Exams & VEE Coursework
  - Actuarial Association
  - Actuarial Connection
  - More Information
- Scholarships
- Student Clubs
- Advising
- Undergraduate Research
- Resources
  - Tutors
  - FAQs
  - Alumni

## Join Our Listservs

**Statistical Science Major**  
Subscribe!

## BS IN ACTUARIAL SCIENCE

### Overview

In the Department of Statistics and Applied Probability, we offer B.S. in Actuarial Science which will prepare you for a career in the actuarial profession. Multiple actuarial designations are available nowadays, including Fellow of the Society of Actuaries, Fellow of the Casualty Actuarial Society, Certified Enterprise Risk Analyst and Registered Professional Liability Underwriter. Our degree will help you pass the actuarial exams which are necessary to obtain these certifications and future career advancement. You can also join the Actuarial Association to meet other students who share your interests and aspirations.

All actuarial science majors will be assigned a faculty advisor. Their advice is crucial in designing a coherent undergraduate program.

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

Find out more about who Actuaries are...

### Recommended preparation for major:

- Two years of algebra
- Courses in plane geometry and trigonometry at high school

### Join our listserv

The Undergraduate Office maintains a listserv that is used to disseminate information to Actuarial Science students. To subscribe to the Actuarial Science majors listserv, simply join the Actuarial Science major mail list.

### Contact

### Quick Links

- Major Sheet
- Recommended Schedule
- Guidelines for transfer students interested in actuarial science major
- Five-year Combined B.S./M.S. in Actuarial Science
- Who are actuaries?

## ACTUARIAL SCIENCE MAJOR, B.S. – 2017-2018

### PREPARATION FOR THE MAJOR

### UNITS YET TO COMPLETE

Math 3A-B.....	8
Math 4A-B.....	8
Math 6A-6B and Math 8*.....	13
PSTAT 10 .....	5
Computer Science 16 (Students need to take Computer Science 8 as a prerequisite for 16) .....	4
Writing 107A or 107B.....	4

**Note:** Math 3A-B, 4A-B, 6A-B, 8, and PSTAT 10 must be completed with a grade of C or above.

**\*Note:** Either Math 4A, 4B, 6A, or 6B must be completed with a grade of "B" or better in order to take Math 8.

**Recommended courses:** Econ 1 & 2 (fulfills VEE), and Phil 3 or 4

### UPPER-DIVISION MAJOR

52 UD units in PSTAT and Mathematics are required, distributed as follows:

A. PSTAT 120A (or W 120A), 120B .....	8
B. PSTAT 126, 160A, 174 .....	12
C. PSTAT 170, 171, 172A, and 160B or 172B .....	16
D. 8 units from PSTAT 105, 120C, 127, 130, 131, 160B or 172B (not used in Area C), 173, 175, 176, 183 .....	8
E. 8 units from: other PSTAT courses not used above; Math 104A-B-C, 108A-B, 117, 118A-B-C, 124A-B, 132A-B; Econ 100B, 101, 134A-B, 141, 155, 170, 171 .....	8

### Recommended electives:

Econ 134A (VEE), 130 (SAS)

For SOA track: PSTAT 172B, 173, 175, 131

For CAS track: PSTAT 127, 131, 160B, 173, 183

**Note:** Math 100A-B, 101A-B, 102A-B, 193; PSTAT 109, 193 will NOT apply to the major.

### MAJOR REGULATIONS

**PREREQUISITES**.....Check the *General Catalog* for the prerequisites to all listed courses.

**P/NP GRADING OPTION**.....Not allowed for any major course (prep or UD major), including courses applied to the major from other departments.

**SUBSTITUTIONS**.....In the major requirements permissible only by petition to the department chair and dean.

**RESIDENCE REQUIREMENTS**.....At least 20 UD units in major while in residence at UCSB.

**G.P.A. REQUIREMENTS**.....At least 2.0 overall UC average in **all** upper-division major courses and **all** courses (Prep and UD) for the major, including courses in excess of minimum requirements.

**DOUBLE MAJORS**.....With the approval of each department chairperson, up to a total of 8 units may be applied simultaneously to both UD majors.

<http://www.pstat.ucsb.edu/undergrad/actuarial-science/bs>

# Actuarial Major Changes

- **Wawanesa Insurance Scholarship**
  - Third and Fourth years, Juniors and Seniors, min GPA 3.25
  - Actuarial B.S. and Financial Math and Statistics B.S.
  - Application deadline: November 15, 2016
  - <http://www.pstat.ucsb.edu/instruction/wawanesa.htm>
- **PSTAT 120B and the rest of UD PSTAT courses**
  - Must receive C or higher to meet upper-division pre-requisites
- **New PSTAT Classes**
  - PSTAT 183 Fundamental Actuarial Concepts (previously PSTAT 194)
  - PSTAT 127 Advanced Statistical Models
  - PSTAT 176 Advanced Mathematical Finance (second year)

**Schedule posted at**

<http://www.pstat.ucsb.edu/instruction/classinfo.htm>

# Actuarial Association

- Meet the officers
- Various types of events and opportunities
  - Providing Assistance
    - Giving guidance, answering questions, organized studying
  - Networking Opportunities
    - Peers, professors, professionals
  - Genuine Experiences
    - Instruction, practice, real application
- Why should you join?
  - Preparing students for their schooling and their career
  - Help students find their right pathways
  - Perks, benefits, and opportunities

# Membership

- Dues are \$30 for the entire year
- Pay Darius (or any other officer in person)  
or
- Venmo “UCSB Actuarial Association”
- Provide individual information such as name, email, phone number, and number of exams passed
- Access to all events and privileges
- Join us on Facebook:

<https://www.facebook.com/groups/ucsbactuary/>

**For more information, visit:**

<http://actuaryclub.pstat.ucsb.edu/about-us/membership/>

# Association Benefits and Opportunities

- Exam Reimbursement and Materials
  - Reimbursement for passed exams after the first one
  - Study manuals in PSTAT department
  - Discount codes for online studying programs
- Mentorship Program
  - Guidance for new students
    - Campus life
    - Coursework and exams
    - In the career
  - Friendships and networking

**The sign up survey for the program can be found here:**  
[https://docs.google.com/forms/d/e/1FAIpQLSdgnkvK4Lt3ZCASP8-WOpJFjM3OB6y1-1aJrbMnD\\_MqwdZwA/viewform](https://docs.google.com/forms/d/e/1FAIpQLSdgnkvK4Lt3ZCASP8-WOpJFjM3OB6y1-1aJrbMnD_MqwdZwA/viewform)

# Case Study: Why should you do it?

- Friendship
- Management and planning skills
- Working with Professors
- Answers the question “What do Actuaries do?” through experience
- Understanding how to treat data
- Understanding the importance of feasibility
- Feel proud talking about something



# What makes YOU valuable?

- Excel/R/Any analysis skills (An Analytical Mind)
- Reporting/Writing
- Research and Reading
- Planning/Tracking
- Communication
- Presentation
- Ideas

Lookout for a questionnaire.



# Plans for the Year

GOAL: Form a team with developed and known skillsets.



- Sessions start 3rd Week of October.
- Starting Bi-weekly/ then every week.
- Practice old case studies together.
- Time sensitive practice sessions.

Have fun, connect and learn.

UC Santa Barbara's 7<sup>th</sup> Annual

# Actuarial Career Fair

Thursday October 12th, 2016 In Corwin Pavilion

Anthem blue  of california  UnitedHealth Group<sup>SM</sup>

**Actuarial Association  
Member Exclusive**

**11:00AM – 1:00PM**

**Meet the Companies  
Open to ALL Majors**

**1:30PM – 2:30PM**

**AON**



**MERCER**

**PIMCO**



**Willis  
Towers  
Watson**



**FARMERS<sup>SM</sup>  
INSURANCE**



**TRANSAMERICA<sup>®</sup>**



CSAA Insurance Group,  
a AAA Insurer





# Actuarial Career Fair Website



The screenshot shows the website for the 6th Annual UCSB Actuarial Career Fair 2017. The header features the PSTAT logo and navigation links. The main content area includes a photo of students at the fair, a description of the event, an agenda, and a list of sponsors. The footer contains contact information and logos for the Santa Barbara Actuaries and CARPE DATA.

**PSTAT** Statistics and Applied Probability  
UNIVERSITY OF CALIFORNIA, SANTA BARBARA

Home | Programs | Instruction | Research | People | Activities | Etcetera | Contact

**CAE** Center of Actuarial Excellence  
SOCIETY OF ACTUARIES

**CAS** UNIVERSITY AWARD WINNER  
CASUALTY ACTUARIAL SOCIETY

**6th Annual UCSB Actuarial Career Fair 2017**  
Thursday October 12, 2017 Corwin Pavilion

The UCSB Actuarial Association is proud to present the 6th Annual Actuarial Career Fair to be held on Thursday October 12, 2017.

Major insurance companies and consulting firms will be represented. Students will have the opportunity to speak with practicing actuaries, obtain literature and submit resumes. Recruiters will be accepting resumes for summer internships and full-time positions.

**AGENDA**  
11:00am - 1:00pm - UCSB Actuarial Association Exclusive Hours  
1:30pm - 2:30pm - Meet the Companies — Open to All Students

[Registered employers](#)

**SPONSORS** Sponsorship opportunities exist! [Details](#)

   **ACTEX Learning**  
Learn Today. Lead Tomorrow.

**SANTA BARBARA ACTUARIES** { **CARPE DATA**

DYNAMIC ACTUARIAL HEALTHCARE CONSULTING

Contact us at  
[actuary@pstat.ucsb.edu](mailto:actuary@pstat.ucsb.edu)

- We highly recommend students within the Actuarial Science major check-out our Annual Career Fair on our website
- The event is open to; however paid Actuarial Association Members have entry to an all exclusive hour
- Students get to meet with representatives from major companies involved in the actuarial field
- Great opportunity to apply for **summer internships** and **full-time positions**

**For more information, visit:**

**<https://regulation.pstat.ucsb.edu/sites/ActFair/ActFair2017.htm>**



# Career Fair Registration

Registration is required for students seeking to attend our Annual Career Fair as well as any AA members that want to participate in the **Exclusive Actuarial Association Hour**.

A screenshot of the CAE (Center of Actuarial Excellence) website. The left sidebar contains a blue header with the CAE logo and a list of links: "Student Information", "Employer Information", "Maps and Travel Directions", "Home" (with a house icon), and "Contact us at actuary@pstat.ucsb.edu" (with an email icon). The main content area is titled "STUDENT INFORMATION" and lists several links: "Instruction for Student Participants", "Online Registration for Meet the Companies Section", "Online Registration for Exclusive Actuarial Association Hour Section" (which is circled in red), "Sample Sophomore Resume", and "Sample Senior Resume". Below these links is a paragraph: "View available employment opportunities, present resumes to employers who are seeking qualified applicants, and apply for positions all in one convenient location and all at no cost!". At the bottom right of the main content area, it says "Statistics &amp; Applied Probability, University of California, Santa Barbara, California 93106-3110". A red arrow points from the top right towards the circled registration link.

Please visit the website for the appropriate forms.

[http://www.pstat.ucsb.edu/ActFair/index2015/student\\_index.htm](http://www.pstat.ucsb.edu/ActFair/index2015/student_index.htm)



# Information for Attendees

## Event Details

**When:** Thursday, October 12<sup>th</sup>, 2017

**Location:** Corwin Pavilion

**Dress code:** Business Formal (We also suggest bringing a Notebook!)

## Program

- 11:00AM – 1:00PM  
Exclusive hour for **UCSB Actuarial Association Members**
- 1:30PM – 2:30PM  
Meet the Companies – **Open to ALL Students**

**For more information visit:**

**<https://regulation.pstat.ucsb.edu/sites/ActFair/ActFair2017.htm>**



# Information for Attendees

## Deadlines

Registration for the Exclusive Hour are due by

**Tuesday, October 3<sup>rd</sup> 2017 at 4:00PM**

Resume Submissions are also due by

**Wednesday, October 4<sup>th</sup> 2017 at 12:00PM**

To sign up to volunteer, fill out this survey:

[https://docs.google.com/forms/d/1kZuoTNg1qGtR2D-6nd4HETFi9WbJNPkMKND6mfIK6MU/viewform?edit\\_requested=true](https://docs.google.com/forms/d/1kZuoTNg1qGtR2D-6nd4HETFi9WbJNPkMKND6mfIK6MU/viewform?edit_requested=true)

**For more information visit:**

<https://regulation.pstat.ucsb.edu/sites/ActFair/ActFair2017.htm>



# Fall 2017 Events

WEEK 1	RESUME WORKSHOP	MON 10/2 (I)	5 - 9 PM
		TUE 10/3 (II)	Sobel Seminar Room SH 5607F
WEEK 2	INTERVIEW WORKSHOP WITH INTERNSHIP PANEL	FRI 10/6	2 - 4 PM Girvetz Hall 1115
	INFO SESSION WITH WILLIS TOWER WATSON AND AETNA	WED 10/11	6:30 - 8:30 PM McCune Conference Room (6020 HSSB)
	CAREER FAIR	THU 10/12	11 AM - 2:30 PM Corwin Pavilion
	INFO SESSION WITH CENTENE AND AON	THU 10/12	6:30 - 8:30 PM Theater and Dance West 1701
WEEK 3	GAME NIGHT	THU 10/19	5 - 8 PM TBD
WEEK 4	UCSB COURSE PLANNING	FRI 10/27	2 - 3:30 PM Phelps Hall 1160
WEEK 5	BOWLING NIGHT	WED 11/1	9 - 11 PM Zodo's Bowling
WEEK 6	BASKETBALL	SAT 11/11	10 AM - 12 PM Rob Gym
WEEK 7	EXCEL WORKSHOP	FRI 11/17	2 - 3:30 PM SSMS 1003
WEEK 8	MOVIE NIGHT	SUN 11/26	7 - 10 PM TBD
WEEK 9	ACTUARIES ON ICE	SUN 12/3	2 - 4 PM Ice in Paradise

When submitting resumes:

- Submit in pdf format, one page only
- Save resume as LastName.FirstName.Resume.pdf
- Email [aa.ucsb@gmail.com](mailto:aa.ucsb@gmail.com)
- Subject Line as "Resume"
- And include your name, email, and year
- Remember the deadlines!

# UCSB Actuarial Major Changes

- **NEW LD course PSTAT 10 covers R, SQL, databases and more**
  - Preparation for major requirement
  - Must receive C or higher to meet upper-division prerequisites
- **PSTAT 120B and the rest of UD PSTAT courses**
  - Must receive C or higher to meet upper-division prerequisites
- **Approved: Choice between PSTAT 172B (SOA) and 160B (CAS) for area C**
- **Change: PSTAT 174 required; PSTAT 120C elective**
- **New UD PSTAT Classes – check catalog for prerequisites**
  - PSTAT 194 (Winter) Introduction to Spark Programming for Big Data Analytics
  - PSTAT 132 (Spring) Statistical Data Science
  - PSTAT 127 (Winter) Advanced Statistical Models (second year)

**Schedule posted at <http://www.pstat.ucsb.edu/instruction/classinfo.htm>**

# Brief Overview of SOA VEE Changes

<https://www.soa.org/Education/General-Info/2016-vee-requirements.aspx>

- Current VEE Requirements

- Economics (CAS)
- Corporate Finance (CAS)
- Applied Statistics

- VEE Effective Summer 2018

- Economics (CAS)
- **Accounting** & Finance (Econ **3A**, 134A) (CAS)
- **Mathematical** Statistics (**PSTAT 120B**)

- Math Stat VEE will require B- or better in PSTAT 120B
- Take Econ 3A to prepare for Accounting and Finance VEE. Does not apply to students completing VEE Econ 134A prior to July 1, **2019**
- Pass VEE PSTAT 126 & 174 prior to July 1, **2018** to get credit for the new VEE Mathematical Statistics and the SRM (Statistics for Risk Modeling) Exam.



# Brief Overview of SOA Exam Changes

## Year 2017-18

- Exam P (SOA & CAS): remains basically unchanged
- Exam FM (SOA & CAS): PSTAT 171, very small part in FM
- Exam MFE (SOA and CAS): Reduce stochastic calculus portion, add portfolio theory topics. PSTAT 170, small part in 176.

## Summer 2018

- Exam MFE changes to IFM (Investment & Financial Markets) (SOA & CAS)
- Exam C replaced by STAM (Short-Term Actuarial Math) (173) (SOA)
- Exam SRM (Statistics for Risk Modeling, NEW) (126, 174, 131) (SOA)
- Exam PA (Predictive Analytics, NEW, PROJECT) (SOA)



# CAS Exam Changes



## 2017 CAS Education Requirements to ACAS

Corporate Finance

Economics

Exam 1\* — Probability

Exam 2\* — Financial Mathematics

Exam 3F\* — Models for Financial Economics

Exam 4\* — Construction and Evaluation of Actuarial Models

Exam S — Statistics and Probabilistic Models

Exam 5 — Basic Techniques for Rating and Estimating Claim Liabilities

Exam 6 — Regulation and Financial Reporting (Nation-Specific)- US, Canada, Taipei

Online Course 1 — Risk Management and Insurance Operations

Online Course 2 — Insurance Accounting, Coverage Analysis, Insurance Law, and Insurance Regulation

## 2018 CAS Education Requirements to ACAS

Accounting and Corporate Finance

Economics

Exam 1\* — Probability

Exam 2\* — Financial Mathematics

Exam 3F\* — Investment and Financial Markets

Modern Actuarial Statistics I

Modern Actuarial Statistics II

Exam 5 — Basic Techniques for Rating and Estimating Claim Liabilities

Exam 6 — Regulation and Financial Reporting (Nation-Specific)- US, Canada, Taipei

Online Course 1 — Risk Management and Insurance Operations

Online Course 2 — Insurance Accounting, Coverage Analysis, Insurance Law, and Insurance Regulation

# Brief Overview of CAS Exam Changes



## Year 2017-18

- Exam P (SOA & CAS): remains basically unchanged
- Exam FM (SOA & CAS): Starting 7/2017, all FM material is covered in PSTAT 171
- Exam MFE (SOA and CAS): Reduce stochastic calculus portion, add portfolio theory topics (PSTAT 170, small part in 176)

## STARTING MAY 2018

- Exam MFE changes to IFM (Investment & Financial Markets) (July 2018)
- Exams C & S replaced by MAS-I and MAS-II (May 2018)
- MAS-I: PSTAT 160AB, 172A, 120B, 126, 127, 174
- MAS-II: PSTAT 173, 127, 120C, 131

# Sample Sophomore Resume

Arthur A. Science

123 Abrego Rd, Isla Vista, California 93117

Tel: (805) 866-7885 email: ascience@umail.ucsb.edu

**Comment [Advisor1]:** Keep resume to one page only. Use different fonts and sizes if you need to get it to one page. Format of resume may be changed to your liking. Remember that the information presented on your resume needs to be relevant.

## EDUCATION

University of California Santa Barbara,

Bachelor of Science in Actuarial Science, GPA 3.8/4.0

Graduation Date: June 2019

## ACTUARIAL EXAMS/VEE

Exam P: Sitting in March 2018

Satisfied VEE Area Requirement in Economics

## WORK EXPERIENCE

McConnell's Ice Cream, Santa Barbara, CA September 2016- May 2017

- Served customers and answered customer's questions about the ice cream.
- Performed cleaning duties to sanitize the ice cream bins and the store.
- Closed the store on nights the manager was not there.

Pay Junction, Santa Barbara, June 2017-September 2017

- Answered 40 – 70 calls a day of people applying for a credit card by phone.
- Communicated with customers who were ordering products by answering
- Questions and handling concerns.

UCSB Summer Transitions, June 2017-present

- Administer campus tours to high school seniors visiting the campus.
- File folders in the records department.
- Work with administrative computer programs to organize records of student applications

## RELEVANT COURSEWORK

- Calculus, Linear Algebra, Differential Equations, Transition to Higher Math
- Intro to Computer Science, Problem Solving with Computers
- Principles of Economics-Micro and Macro

**Comment [Advisor2]:** Include your class descriptions. This is only a sample and may not apply to you.

## COMPUTER EXPERIENCE

- Computer Languages/Packages: Python, C++.
- Microsoft Excel, Microsoft Word, Microsoft PowerPoint.

**Comment [Advisor3]:** You do not need to claim to be an expert, only to have experience. Do not be shy!  
Sometimes CS courses include a project. This is the place to enter this information.  
Include JAVA if you took AP in CompSci

## AWARDS/LEADERSHIP

- UCSB Honors student
- UCSB Actuarial Association: Member, October 2016-present

## ACTIVITIES/HOBBIES/LANGUAGES

- Hobbies: Enjoy hiking, cooking, playing violin.
- English (fluent), Spanish (intermediate), and Japanese (basic)

# Sample Senior Resume

Arthur A. Science

123 Abrego Rd, Isla Vista, California 93117

Tel: (805) 866-7885

email: ascience@umail.ucsb.edu

**Comment [Advisor1]:** Keep resume to one page only. Use different fonts and sizes if you need to get it to one page. Format of resume may be changed to your liking. Remember that the information presented on your resume needs to be relevant.

## EDUCATION

University of California Santa Barbara,

Bachelor of Science in Actuarial Science, GPA 3.8/4.0

Graduation Date: June 2018

## ACTUARIAL EXAMS/VEE

Exam P: Pass May 2016

Exam FM: Pass May 2017

Exam C: Sitting November 2017

VEE Applied Statistics: in progress

VEE Economics: satisfied

VEE Corporate Finance: satisfied

## ACTUARIAL WORK EXPERIENCE

**Towers Watson, Pension and Funding Valuation**

Actuarial Intern June 2017 – August 2017

- For a “mock” client and later for a “real-world” client, reviewed benefit statements, performed benefit calculations, produced Expense Valuation report and Funding Valuation report.
- Worked alongside consultants and analysts on project teams, analyzing data, running valuation reports, processing cost components, filing government forms, and creating final documents given to clients.
- Performed research and created multiple presentations presented to clients by consultants.

## COMPUTER SKILLS/DATA ANALYSIS PROJECTS/RESEARCH EXPERIENCE

- Computer Languages/Packages: Python, C++, SAS, and R. Experience with Microsoft Excel, Microsoft Word, Microsoft PowerPoint.
- Time Series Class project (individual): Analysis of 10 years of airline sales data and prediction of future sales using seasonal ARIMA methodology. Software: R.
- Research Project class (graduate level): Predictive Modeling in Healthcare Using Regression Techniques (team project). Using data from an insurance provider investigated healthcare expenditures and applied variable selection to produce models for predicting the cost that insurers will spend on covered members. Statistical techniques such as data transformation, linear regression, and least angle regression were used to develop the models. Software: R.

**Comment [Advisor2]:** You do not need to claim to be an expert, only to have experience. Do not be shy!  
For project, include what you did in the project: goals and methodology.  
Classes with projects: some CS classes, PSTAT 126, 127, 174, 131, 175, 105, possibly others.  
Writing 107B

## RELEVANT COURSE WORK

- Calculus, Linear Algebra, Differential Equations, Transition to Higher Math (2yrs)
- One year of calculus-based Probability and Mathematical Statistics
- Applied Statistics: Times Series (VEE), Regression Analysis (VEE), SAS, Data Mining
- Applied Stochastic Processes
- Actuarial and Finance: Math Finance, Fixed Income Markets, Actuarial Statistics, Risk Theory
- Economics: Micro and Macro (VEE), Financial Management (VEE)
- Computer Science: two programming courses
- Business and Administrative Writing. Coursework includes a team project to create a business plan for an actuarial software company start-up.

**Comment [Advisor3]:** Include YOUR class descriptions, this is only a sample.

## AWARDS/LEADERSHIP

- UCSB Honors student
- Alpha Phi Omega Leadership Award 2014-2017
- UCSB Actuarial Association: Member, October 2014-present; Treasurer, May 2017-present
- President of Alpha Phi Omega - Community Service Organization 2015– 2017

## ACTIVITIES/HOBBIES/LANGUAGES

- Enjoy hiking, swimming, board games.
- English (fluent), Spanish (intermediate), and Japanese (basic)