

EL CAMINO COMMUNITY COLLEGE DISTRICT

**Division of Mathematical Sciences
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**Actuarial Science Advisory Committee
Meeting Minutes and Notes**

Meeting Date	Minutes & Notes
June 14, 2022	Presentation from Student Engagement Specialist Brianna Nesbit (BN) from the Society of Actuaries to discuss developing demand for actuaries and actuarial science programs.
June 28, 2022	Meeting to discuss interdivision collaboration to develop curriculum with faculty with consultation; present was Dean of Business Dr. Virginia Rapp (VR).
July 7, 2022	Presentation from BN to cover alignment of degree program objectives and coursework to UCAP agreement requirements.
July 12, 2022	Presentation from BN to deans and faculty on curriculum coursework needed to develop an associate of science program.
August 22, 2024	Establish partnership with Cal State University Fullerton (CSUF) to discuss each other's programs and possible pathway collaboration.
October 25, 2022	Part 2 of August 22, 2022 meeting; introduced more new members to the advisory group including the CSUF's support staff and mathematics department chair; also discussed course articulation and curriculum recommendation and approval.
November 28, 2022	Received college curriculum approval for the associate of science degree; beginning processes to apply for UCAP agreement.
March 29, 2023	Met with members of Society of the Actuaries Community College Educators for input of outreach activities to support program development; also connected with local actuaries.
September 12, 2023	Meeting with the Society of Actuaries to discuss challenges of achieving UCAP agreement due to limitations of courses that could be taught at ECC (and possible workarounds); received approval from committee to request LMI data for CTE program approval.

November 2, 2023	Presentation from BN to build a subcommittee to support the SOA's Community College Inflencer (CCI) project to build community college and high school materials supporting student interests in actuary science.
January 10, 2024	Prepared teams to develop CCI kits marketing knowledge of actuary fields;
March 7, 2024	Meeting with non-California community colleges developing actuary science degree programs to discuss challenges of UCAP agreement recognition.
April 12, 2024	Presented with Cal State Fullerton to discuss partnership pathways and researching grant opportunities to support actuary science pathway programs for students.
April 22, 2024	Finalized and voted on actuarial science curriculum.

Rancho Santa Margarita
May 8, 2024

To Whom It May Concern,

I wholeheartedly support El Camino College's approval of the Associate of Science degree in Actuarial Sciences. Its program consists of a curriculum of coursework across the mathematics, social sciences, and business divisions of the college, making this a comprehensive program for students for transfer or career technical education. More importantly, this program would make El Camino College the frontrunner in creating K-14 pathways and connections to universities offering undergraduate and graduate actuarial science programs.

I further support El Camino College's efforts working with the Society of Actuaries to achieve UCAP agreement. When achieved, this would make El Camino the first college in the nation to be recognized as a certified actuarial science degree program. In return, this recognition would receive sufficient recognition to attract students in and outside of California.

El Camino College serves high school districts with students strong in mathematics and a growing interest in actuarial sciences. El Camino surrounds itself around industries and corporations with a demand for actuaries. This is an advantageous opportunity for El Camino to prepare its students for a challenging yet demanding career or prepare their students for transfer to neighboring universities for advanced actuarial science degrees.

Please consider the approval of this associate degree.

Respectfully,

Armand Wandji, FSA, MAAA
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Cal State Fullerton

FINANCE DEPARTMENT

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April 19, 2024

Dear Dr. Marlow Lemons:

This letter will document California State University, Fullerton's (CSUF) support for the actuarial science degree program being developed at El Camino College. CSUF is recognized by the Society of Actuaries as a UCAP-AC, (University or College with an Actuarial Program with Advanced Curriculum). The actuarial concentration is in the mathematics department and its curriculum consists of math, finance, and insurance courses. There are currently around 55 students enrolled in the concentration.

According to the U.S. Bureau of Labor Statistics, the actuarial profession is projected to grow 23% from 2022 to 2032, which is much faster than average for all occupations. There are expected to be about 2,300 openings for actuaries each year over the decade. Most of this growth will come from students graduating from schools with actuarial programs, so there is a clear need to have more schools with these programs.

CSUF has been working with El Camino College to establish a pathway program wherein students receiving a two-year degree in actuarial science from El Camino College would finish their undergraduate degree at CSUF. The next phase will be to receive funding via an NSF grant to support this pathway program which would benefit students from both institutions.

Sincerely,

Jeff Jolley, FSA

Lecturer, California State University, Fullerton



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May 1, 2024

To whom it may concern,

The Society of Actuaries (SOA) is the world's largest actuarial professional organization with roots dating back to 1889. Today, the SOA has more than 32,000 actuaries as members. Through research and education, the SOA's mission is to advance actuarial knowledge and enhance actuaries' ability to provide expert advice and relevant solutions for financial, business, and societal challenges. The SOA's vision is for actuaries to be the leading professionals in measuring and managing risk.

To support the increasing need for actuaries worldwide, the SOA is expanding its support to Community Colleges with strong math and statistics programs. Since June, 2021, the SOA Engagement team has been working with El Camino Community College to assist them in their efforts to be included in the SOA's Universities and Colleges with Actuarial Programs (UCAP) list.

UCAP is a collection of over 300 universities around the world that have met our curriculum requirements. To qualify as a UCAP, a university must demonstrate course coverage for at least 2 SOA exams and one VEE topic.

Attaining UCAP status is a significant achievement for a university, demonstrating that it has programming to support students interested in pursuing a career in actuarial science.

Reaching UCAP status can be a big challenge for traditional 4-year universities, and it is certainly commendable that a community college would strive to reach this goal. It also represents a huge step in accessibility for students with regard to cost of education.

El Camino representatives have attended SOA actuarial events, including the recent University Outreach and Candidate Connect event that took place April 14 at California State University-Fullerton. This event focused on high school and college students, providing information, tools, and networking opportunities for those interested in the actuarial profession.

Sincerely,

Marta Jimenez-Lutter

SOA Manager, Student and Candidate Engagement