INTRODUCTION

UC San Diego Extension leads the way in innovation across the lifespan with programs for K-12 students, older adults and everyone in between.

The world is changing at a harrowing pace. Our future depends on our ability to adapt to the challenges that come with globalization and the seemingly limitless advances in technology that continue to revolutionize all aspects of human life. Here in San Diego, we are continuously reinventing ourselves, and that’s spurred in part by our groundbreaking innovation economy. The University of California San Diego and other local research institutions have helped create an engine of innovation and entrepreneurship in La Jolla and on the Torrey Pines mesa. We also have a growing and diversifying innovation economy in the downtown urban core, which will soon be elevated even higher thanks to the presence of UC San Diego Extension. The new facility, which Extension will manage, is furthering its commitment to the local innovation economy with a 66,000-square-foot beacon at the corner of Park Boulevard and Market Street. UC San Diego is headed downtown, and Extension is the means by which it’s achieving this goal.

Great public research institutions like UC San Diego are the foundation for the research breakthroughs and scholarly insight that drive both economic growth and community well-being. UC San Diego Extension, the lifelong learning and public programs arm of the campus, provides a platform to disseminate that research and knowledge to the larger community via cutting-edge educational programs offered in an equally diverse range of formats across a lifespan, from pre-college through retirement. Extension’s reach spans programs designed to inspire a love of science, technology, engineering, art and math in middle school students; readying high schoolers for the rigors of college life; helping professionals change careers or advance in their current fields; and hosting stimulating lectures, seminars and discussion groups for older adults via the Osher Lifelong Learning Institute.

As technology continues to remake our world, it is critical to ensure that people—no matter their age—have the education they need to succeed. We work with industry leaders to determine the most in-demand skills, global economic trends and workplace expectations, then tailor our coursework so our students are capable of thriving in today’s economy. We work to ensure our students and alumni can navigate a global society that is becoming ever more interwoven, and host students from around the world in our international programs. We also have international clinical trial programs in Europe and Latin America that keep us at the forefront of drug development. And we can broadcast our scientific breakthroughs and scholarly insights to the world via UCTV.

Our portfolio of programs, our off-site centers and our workforce development touch the lives of tens of thousands of people annually, and core to each of these activities is the university-wide commitment to inclusiveness and access. UC San Diego Extension also contributes to civic and cultural dialogue with the Helen Edison Lecture Series, which brings renowned speakers to our campus, and other programs, such as UC San Diego Jazz Camp.

This annual report documents the ways in which UC San Diego Extension is committed to being a vital resource to the continuously evolving regional economy and the lifelong needs of its citizens. We welcome you to discover how we connect the community to our vision of student-centered, research-focused, service-oriented education. Thank you for letting us be part of your world.

“Learning is at the core of a productive and meaningful life.”

MARY WALSHOK, PH.D.
At UC San Diego Extension, we believe social and economic prosperity come from melding the collective knowledge of academic, community and industry leaders. This philosophy drives our work to ensure both individuals and companies have the skills to thrive in today’s economy. Extension has become a catalyst for economic, intellectual and cultural growth. Our Executive Perspective for Scientists & Engineers programs have helped train generations of local leaders. Extension is more than just continuing education; we’re using knowledge and civic engagement to help redefine the role of universities in the 21st century. Through a continued dialogue with scientists, innovators and industry leaders, we can determine what skills are in demand and how to best deliver education and training to fill those needs. Over the years, Extension has worked with hundreds of local employers such as Intuit, Northrop Grumman and Qualcomm. We also pair experts from world-class innovation ecosystems with governments, businesses and other universities working to foster economic change in their regions.

**Ronghui “Lily” Xu**  
Professor of Family and Preventive Medicine and Mathematics at UC San Diego  
I have partnered with UC San Diego Extension on its biostatistics curriculum because it extends the knowledge of the university to the larger community and helps people train for and obtain the needed skills for the region’s most in-demand jobs. I’ve always thought of Extension as a kind of interface with the community. That’s why it’s called Extension. Their programs help people become more educated in their daily work and help them understand data, or methods related to data.

**Natasha Balac**  
Founder, CEO and president of Data Insight Discovery, director of the Interdisciplinary Center for Data Science at UC San Diego’s Calit2/Qualcomm Institute and lecturer at UC San Diego Extension  
Back in 2003, I decided to put together a set of courses for Extension looking at big data and data mining. We’ve come a long way since then, but the original idea is still there. We are offering a set of courses that are highly practical, very hands-on, so that our students can gain the skills they need to do data mining. We strongly believe that hands-on, practical experience is invaluable in gaining these skills.

**Jack Silberman, Ph.D.**  
Commercial QA area manager for Canada and Latin America for Abbott Diabetes Care and an instructor at UC San Diego Extension  
The technology is changing very quickly and you have to keep up with the pace. You have to participate in communities of people in your field. Going alone will be a longer road compared to collaboration. Extension is a great way to quickly update your skills and network.
PROVIDING A GLOBAL REACH

UC San Diego Extension is committed to connecting the world through education.

The world is becoming increasingly interconnected, and UC San Diego Extension is guiding the way for citizens navigating a global society. Our international programs engage students from around the world and offer the most advanced knowledge and education formats available. Students benefit from immediately applicable information in the wide variety of courses and services offered. And as the world of drug discovery goes global, Extension is helping professionals in Latin America and Europe keep up through our cutting-edge international clinical trials programs. We further connect to the world at large by sharing fascinating research breakthroughs and scholarly insights via UCTV.

**Diego Pineda Yon**
International Student (Peru) in Extension’s Intensive TOEFL Preparation program

UC San Diego Extension had many factors that made me comfortable. My favorite aspect was the quality of the teachers. I learned so many new things, like new words and expressions, which would have taken me so much more time without my Extension classes. I am able to read English faster and understand it better. I really improved my English skills.

**Dr. Leonel Villa-Caballero**
Director of Extension’s Clinical Trials Administration in Latin America Certificate program

Latin America is an emerging leader in the competitive world of clinical trials because of its high quality of clinical investigators, diverse ethnic populations, multiple clinical sites and established research centers. The Clinical Trials Administration in Latin America program is about expanding human capacity and building bridges of knowledge for better global public health.
COMMITMENT TO THE COMMUNITY

UC San Diego Extension understands that quality of life is key to a thriving region.

UC San Diego Extension has a wide range of programs that contribute to the region’s civic and cultural dialogue. At our Osher Lifelong Learning Institute, those age 50 and up can attend stimulating lectures, seminars and discussion groups on such topics as art and literature, current events, international relations, politics, medicine and science. Extension is also helping shape the civic dialogue through the Helen Edison Lecture Series, which has featured John Lithgow, Judith Rodin and Bob Woodward as speakers. Our world-renowned Center for Research and the Regional Economy works with nonprofits and civic organizations to develop data relevant to a wide range of issues, from predicting workforce trends to community enhancement. Other notable programs include UC San Diego Jazz Camp, which brings together musicians from age 14 through adulthood, resources to assist military veterans and college prep programs.

Misty Jones
San Diego Public Library director

Library NExT is a partnership between the San Diego Public Library and Extension that offers training and education programs. Technology is reshaping how people access and consume information, so libraries must reimagine their roles as a community and civic resource. Library NExT is helping make the library a place for opportunity, discovery and inspiration.

Angelica Pruitt
Electric and upright bass player and UC San Diego Jazz Camp alumna

The camp has taught me a new world of jazz and how to approach it. I met many musicians there, and it was a blast. I learned more about how to experiment with your instrument and have fun with it. I continue to learn new things each time I go.

Sandra Kofford
Migrant Education Program senior director at the Imperial County Office of Education

All of these kids believe in education, and they see the value of receiving a scholarship to Academic Connections, Extension’s three-week residential college prep program. They come from families who are very humble. They want a better life for their kids. The students seem to be very aware of that and they’re grateful to be part of this.

COMMUNITY FIRST

Some examples of UC San Diego Extension’s community engagement, by the numbers:

- 807 Osher Institute members
- 1,160 Helen Edison Lecture attendees
- 106 Participants in UC San Diego Jazz Camp, 2016–17
- 422 Students who received financial assistance, totaling $563,784
- 92 Veterans and family members served through Extension programs
HELPING PEOPLE UPSKILL AND RETOOL FOR NEW OPPORTUNITIES

*Keeping your skills up to date is key to succeeding in today’s economy*

Today’s marketplace is constantly changing, whether that be through advances in technology or shifting attitudes toward the environment. So employees need to evolve, too. The job market is becoming more competitive and those who don’t keep up with the pace are likely to get left behind. At UC San Diego Extension, we pride ourselves on teaching professionals how to repurpose their skills and retool so they remain relevant as the workplace changes. We work with industry leaders to identify the most in-demand job skills and then develop the curriculum that will enable individuals to obtain those skills as quickly and effectively as possible. We offer more than 4,200 courses to help students be successful, from coding boot camps to hands-on safety training to certificates in sustainability and behavior change, as well as a postbaccalaureate premedical program. We also offer counseling and career management services for job seekers.

**Jim Millea**  
Head brewer at Ocean Beach Brewery and graduate of Extension’s Brewing certificate

I always thought it would be cool to be a brewer for a living, but I was making pretty solid money in my engineering job. I thought if I became a brewer I would be making minimum wage and be homeless. UC San Diego Extension’s Brewing program was huge. I wouldn’t be where I am without it. It gave me the chance to learn from the rock stars of San Diego brewing.

**Heather Simental**  
Owner of Geek Girl Editing and graduate of Extension’s Copyediting certificate

Extension was a natural choice for continuing my education because I studied at UC San Diego for my bachelor’s degree. I was excited that I could supplement my linguistics degree with an equally esteemed certification. I was able to learn while still working a day job, which made getting the certification possible. Completing the certification through Extension was hugely beneficial to my career. It allowed me to gain the confidence and skills to market myself well and it improved my editing much more rapidly than if I had gone about it on my own.

**Ashley Morgan**  
Vice president of operations at Reality Changers and student of Extension’s Community Research and Evaluation Program

I have some background in research, so the idea of marrying that with program evaluation is an ideal fit to expand my skills and help Reality Changers. Extension has enriched my life because I was able to continue my education in a skill that I love, which is research. Learning about program evaluation has strengthened that skill in addition to offering a new perspective on how it can be used.
Extension runs University of California Television, which spotlights the excellence and diversity of the nation’s premier research university. UCTV features programming from throughout the University of California system, comprising 10 campuses and three national labs, as well as other affiliated institutions, on a variety of channels. We disseminate knowledge on a range of topics, from agriculture, arts and music, business and education to health, medicine, public affairs and science. We reach far beyond the boundaries of our campuses and into the homes and lives of inquisitive viewers around the world. Program formats include documentaries, faculty lectures, research symposia, artistic performances and specialized programming, such as “The Med Ed Hour” for health care professionals. UCTV was the first university-run channel to be included among YouTube’s new production partnerships and can also be found at uctv.tv, on our Roku channel, Amazon Fire TV or via iTunes.

**UCTV OFFERING CUTTING-EDGE CONTENT AROUND THE GLOBE**

"[Acting] is the humiliation of being rejected by people you have contempt for."

---

**ACTOR JOHN LITHGOW, SPEAKING ON A RECENT VISIT TO CAMPUS AS PART OF THE HELEN EDISON LECTURE SERIES**

---

**Specialty Channels:**

- The Brain Channel
- The STEAM Channel
- The Career Channel
- The Computer Science Channel
- The Library Channel

...and more.

---

**Total views of UCTV videos:** 60.3 million

**Total hits to UCTV and UCSD-TV websites:** 69.6 million

**Total subscribers to UCTV YouTube channels:** 312 thousand

---

2017 | EXTENSION.UCSD.EDU/START
It is critical to ensure that people—no matter their age or skill level—have the education they need to succeed in an ever-changing economy and live meaningful lives. That idea drives UC San Diego Extension’s commitment to lifelong learning, as both personal enrichment and regional prosperity are at the heart of our mission. Extension is more than just continuing education. Our science, technology, engineering, arts and math courses target kids as young as middle school and pre-college programs prepare high school students for the rigors of university life. We also reskill and upskill workers so they can stay current in a changing world, and our lecture series, seminars and discussion groups help older adults stay sharp. Our curriculum may always be evolving, but one thing remains the same—UC San Diego Extension is at the forefront of both innovation and education.

As the world continues to change and evolve, so does UC San Diego Extension.

It is critical to ensure that people—no matter their age or skill level—have the education they need to succeed in an ever-changing economy and live meaningful lives. That idea drives UC San Diego Extension’s commitment to lifelong learning, as both personal enrichment and regional prosperity are at the heart of our mission. Extension is more than just continuing education. Our science, technology, engineering, arts and math courses target kids as young as middle school and pre-college programs prepare high school students for the rigors of university life. We also reskill and upskill workers so they can stay current in a changing world, and our lecture series, seminars and discussion groups help older adults stay sharp. Our curriculum may always be evolving, but one thing remains the same—UC San Diego Extension is at the forefront of both innovation and education.

As the world continues to change and evolve, so does UC San Diego Extension.

Getting the next generation ready to learn and lead is a key focus for UC San Diego Extension. We work tirelessly to ignite a passion for learning. Extension’s Sally Ride Science Junior Academy helps inspire middle and high school students to pursue science, technology, engineering, art and math, also known as STEAM. Sally Ride Science also provides professional development for teachers. Extension helps high school students prepare for college through Academic Connections, a three-week residential program that creates a hands-on university experience for qualified high school students with a focus on those from underserved communities. Extension’s additional pre-college programs include high-quality, low-cost test preparation and the Global Environment Leadership Program, which offers high school students the opportunity to engage in environmental issues in a variety of locations including Hawaii, Washington, DC and China.

Extension, through its Education Department, also works closely with school districts and educational institutions to help teachers stay ahead of the curve through professional development that incorporates the best practices and latest research. Through our wide variety of courses, certificates and state-approved credentials, educators can learn how to navigate increasingly diverse classrooms and prepare to teach here in San Diego, across the country or around the world. Programs include professional and specialized certificates in gifted and talented education, reading instruction and teaching online.

524 Sally Ride Science attendees
2,376 Test prep enrollees
40 Local schools that partner with Extension
Higher Education Destinations

UC San Diego Extension’s Academic Connections program gives high school students a head start on their college experience. More than 1,700 students participated in Academic Connections between 2012 and 2016. Here’s a breakdown of some of their higher education destinations.

- 21% UC San Diego
- 19% UC Berkeley
- 17% UCLA
- 12% UC Santa Barbara
- 9% UC Santa Cruz
- 8% UC Davis
- 5% UC Irvine
- 5% UC Riverside
- 4% UC Merced
- 15% Out-of-state public/community college
- 13% California community college
- 14% Cal State school
- 24% Private four-year college
- 34% UC school
- 19% UC school
- 17% UC school
- 12% UC school
- 9% UC school
- 8% UC school
- 5% UC school
- 5% UC school
- 4% UC school

Emma Ramaley
Academic Connections Hawaii

I just wanted to thank each of you on the Academic Connections staff for the amazing program on the Big Island. It was so exciting learning about the environment and Hawaiian culture on the island. My favorite part of the program was meeting so many influential people who live there and learning about the water quality in various areas. It is fun to go back to the blog to read the entries from everyone and remember all of the things we did. I’m looking forward to continuing my interest in the environment and marine biology in the future.
EXTENSION BY THE NUMBERS

At Extension, we help people stay current in a changing world. Our certificates help students get ahead in their field or jump into a new one.

In 2017, UC San Diego Extension added 12 new certificates to an already impressive array of offerings. Our respected certificate programs offer practical, concentrated studies in several professional areas. Our certificates are becoming increasingly valuable as the needs of employers and the workforce itself change, and employers know that encouraging professional growth is one of the best ways to attract and retain talented employees. Here, we take a look at how our certificates stack up.

FASTEST GROWING CERTIFICATES

<table>
<thead>
<tr>
<th>Certificate</th>
<th>Admissions Growth</th>
</tr>
</thead>
<tbody>
<tr>
<td>Systems Engineering</td>
<td>64%</td>
</tr>
<tr>
<td>Emergency Department Nursing</td>
<td>62%</td>
</tr>
<tr>
<td>Facilities Management</td>
<td>39%</td>
</tr>
<tr>
<td>Digital Media Content Creation</td>
<td>39%</td>
</tr>
<tr>
<td>Teaching English to Speakers of Other Languages (TESOL)</td>
<td>39%</td>
</tr>
<tr>
<td>Reading Instruction</td>
<td>36%</td>
</tr>
<tr>
<td>Business Intelligence Analysis</td>
<td>35%</td>
</tr>
<tr>
<td>Graphic &amp; Web Design</td>
<td>34%</td>
</tr>
<tr>
<td>Biofuels Processes (BFPRC)</td>
<td>33%</td>
</tr>
<tr>
<td>Copyediting</td>
<td>28%</td>
</tr>
</tbody>
</table>

OVERALL STUDENT RATINGS

4.43/5

Average Course Score

93%

Course Satisfaction

94%

Instructor Satisfaction

95%

Extension Satisfaction
### Certificates Earned by Areas of Study

<table>
<thead>
<tr>
<th>Area of Study</th>
<th>Percentage of Graduates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arts &amp; Humanities</td>
<td>3%</td>
</tr>
<tr>
<td>Business &amp; Leadership</td>
<td>24%</td>
</tr>
<tr>
<td>Data Analysis &amp; Mathematics</td>
<td>8%</td>
</tr>
<tr>
<td>Digital Arts</td>
<td>3%</td>
</tr>
<tr>
<td>Education</td>
<td>8%</td>
</tr>
<tr>
<td>Environment &amp; Sustainability</td>
<td>1%</td>
</tr>
<tr>
<td>Healthcare</td>
<td>12%</td>
</tr>
<tr>
<td>Languages</td>
<td>7%</td>
</tr>
<tr>
<td>Law</td>
<td>5%</td>
</tr>
<tr>
<td>Occupational Safety and Health</td>
<td>2%</td>
</tr>
<tr>
<td>Sciences</td>
<td>7%</td>
</tr>
<tr>
<td>Technology</td>
<td>8%</td>
</tr>
<tr>
<td>Writing</td>
<td>12%</td>
</tr>
</tbody>
</table>

#### About Extension

With a wide variety of courses and a commitment to innovation, it’s no wonder so many people choose us.

- **56,995** Enrollments
- **21,755** Enrollees
- **4,273** Courses
- **880** Instructors
- **8** Research projects

---

2017 | extension.ucsd.edu/start