UC SANTA CRUZ

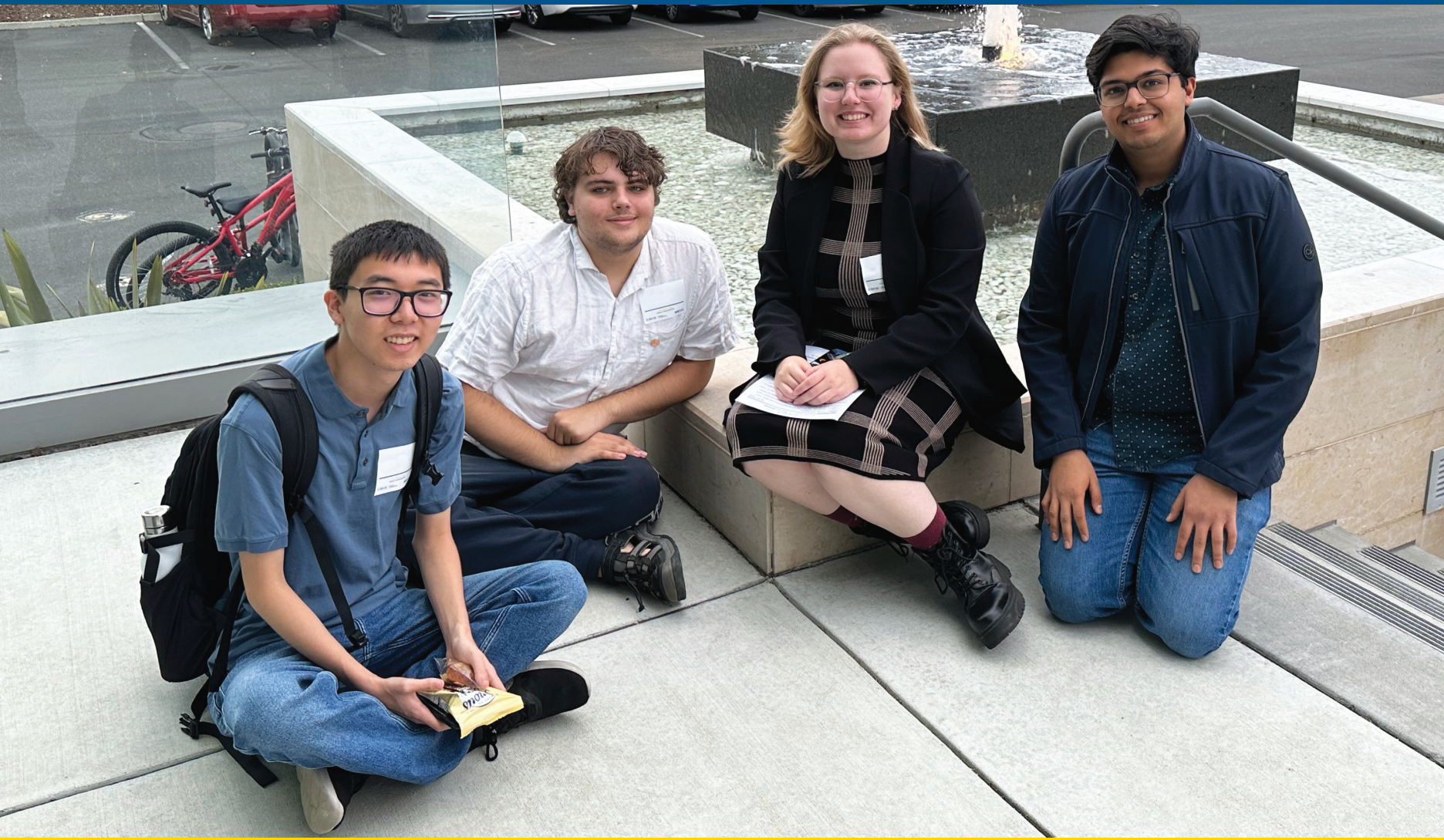
SILICON VALLEY CAMPUS | INTERNATIONAL PROGRAMS

STUDY IN SILICON VALLEY

UNIVERSITY OF CALIFORNIA

PROFESSIONAL SKILLS FOR GLOBAL CAREERS

CERTIFICATES • SHORT PROGRAMS • ONLINE COURSES • INTERNSHIPS • OPT



welcome

Silicon Valley, where you create your future.

Thank you for considering UCSC Silicon Valley Professional Education as the next step in your educational journey.

As companies adapt to emerging technologies and evolving business trends, they are seeking professionals who can hit the ground running. Our curriculum is meticulously designed to meet these demands, ensuring that you are well-prepared for the modern workplace.

You will be able to immerse yourself in one of the world's most innovative and vibrant tech ecosystems. There is no place like Silicon Valley for opportunities both academically and personally. As someone who once embarked on the journey of studying abroad, I understand the importance of finding the right university and location.

I invite you to learn from our esteemed instructors who are eager to impart their industry expertise and to explore our diverse community, cultural vibrancy, and natural areas.

We are committed to supporting you every step of the way as you navigate this exciting learning adventure.

P.K. Agarwal
Dean, UCSC Silicon Valley Professional Education
unexdean@ucsc.edu

about us

EXPERIENCE SILICON VALLEY

- Rigorous University of California Quality Curricula
- Instruction by Silicon Valley Industry Leaders
- ~300 Professional Development Courses
- Fast-Paced Certificate Programs: 9 to 12 Months
- Option of Skills-Focused Specializations
- One-Quarter Short Programs
- OPT Work Experience and Internships
- Affordable and Practical Career Skills
- Fully Accredited University Program

the team

We're excited to have you join the Silicon Valley Extension community and learn real world practical skills that will help you grow your career.

Nisa Dorrego,
Director of Student Success and International Programs

Linda Harris,
International Academic Advisor, DSO

Linda Mora,
International Academic Advisor, DSO

55+ COMBINED YEARS OF EXPERIENCE IN INTERNATIONAL EDUCATION

~13 COMBINED YEARS LIVING, STUDYING, AND WORKING ABROAD

Contact Us Today: extensioninternational@ucsc.edu

location, location

THINGS TO DO

The San Francisco Bay Area offers ease of access to local attractions via rail, light rail, buses, and highways for cars.

You can travel to the mountains for skiing or hiking and enjoy rustic lodges to five-star hotels.

Don't like the mountains? Then head to the beach for whale watching, surfing or lounging on the beach. Local eateries and fine dining can make your getaway all the more relaxing.

Wine tasting can be done locally in the Santa Cruz Mountains or further away in internationally recognized Napa Valley.

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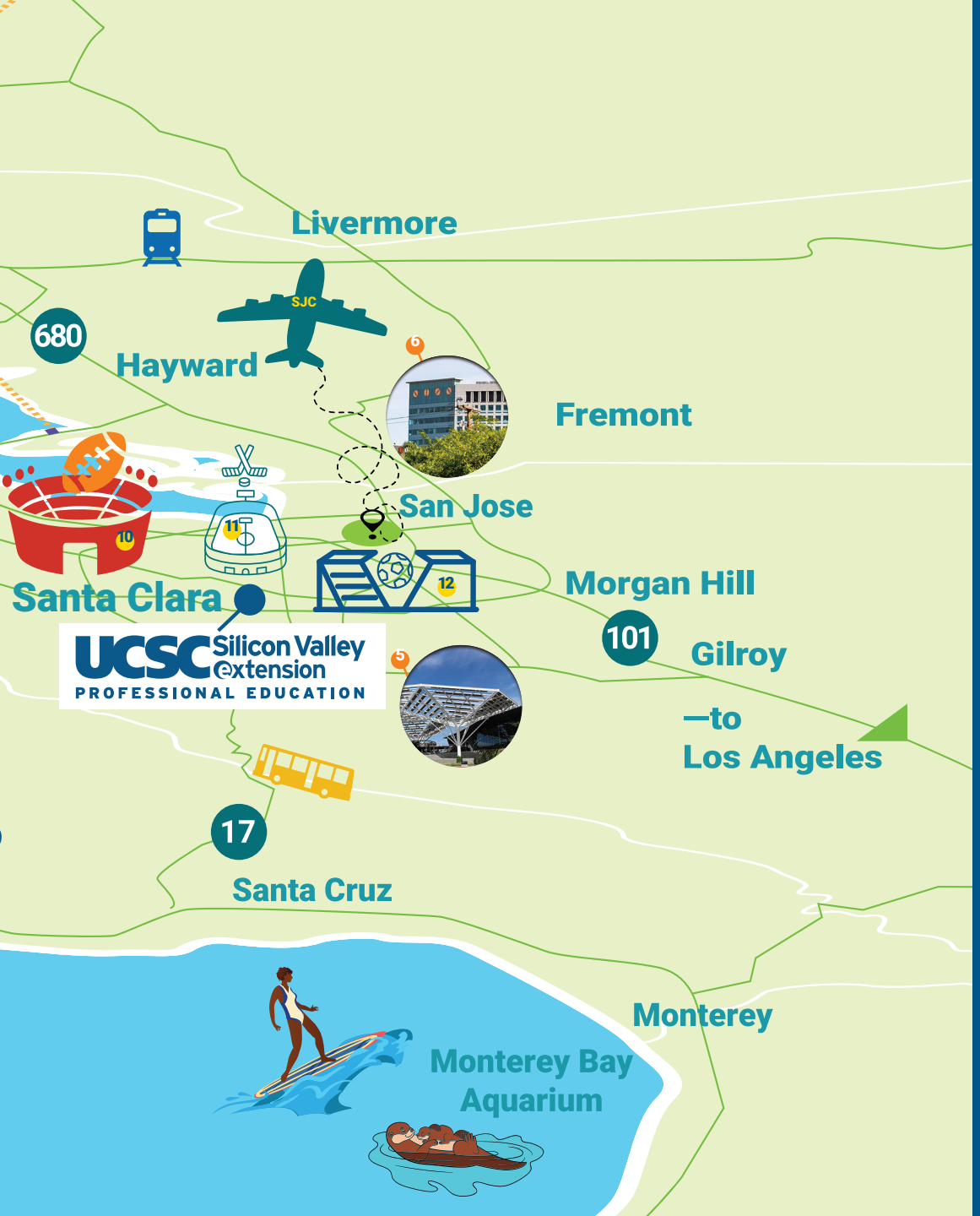


COMPANIES

1) Salesforce Tower,* San Francisco
2) Facebook,* Menlo Park
3) Googleplex,* Mountain View
4) Apple Park,* Cupertino
5) Nvidia,** Santa Clara
6) Adobe & San Jose Semiphore,* San Jose

SPORTS & MUSIC

7) Baseball: San Francisco Giants
8) Basketball: Golden State Warriors
9) Shoreline Amphitheater
10) Football: SF 49ers Stadium
11) Hockey: San Jose Sharks
12) Soccer: San Jose Earthquakes

ACTIVITIES

Wine Tasting: Napa Valley; Sonoma Valley; Santa Cruz Mountains

Snow Sports: Sierra Nevada Mountains

Water Sports: Lakes & Pacific Oceans

Hikes: Local Trails and National Parks

Sightseeing: Local Trips from San Francisco to Monterey Bay Aquarium

a few of our neighbors

Services & Support Every Step of the Way

For students coming from all over the world, we can't wait to show you Silicon Valley. We have a full calendar of activities to support your English communication skills, your career and job search strategies, and your understanding of the Silicon Valley culture and surroundings.

We offer:

- **Immigration Advising**
- **Academic Advising**
- **Course Selection Support**
- **Help with Navigating Silicon Valley**
- **English Workshops**
- **Career and Networking Events**
- **Unlimited Options for Entertainment**

COUNTRIES **35**

In the last few years, students have joined us from more than 35 countries.

Practical Career Experience

PROFESSIONAL CERTIFICATES

You will meet some of the most inspiring teachers in Silicon Valley, collaborate with peers in the industry and complete your certificate in 9 to 12 months. Certificates culminate in a capstone project that showcases your skills in your career portfolio.

Some students are able to earn two certificates in a year; others choose to build an additional skill set by pursuing a specialization.

SPECIALIZATIONS

A specialization, usually six units, familiarizes you with a specific professional set of skills. You can, for example, earn a certificate in ***Data Science and Data Analytics*** and also build out your resume with a specialization in ***Machine Learning with Python*** or ***Lean-Agile Project Management***.

ONE-QUARTER SHORT PROGRAMS

Interested in studying with Silicon Valley professionals for a single quarter? Our 12- to 15-week programs teach you high-value, practical skills quickly.

- **Immerse yourself in project-based learning**
- **Collaborate in high-flex classrooms**
- **Network in Silicon Valley**

While you are here you will gain real-world skills in a fast-paced, collaborative classroom setting. You'll practice new industry methods and immerse yourself in the Silicon Valley business world.

A FEW OF OUR OPT PARTICIPANTS

- Amazon
- ICURO
- BCL Technologies
- Astrazeneca-Medimmune
- Neuroleap Corp
- Micron
- Google
- Dolby
- Stanford
- Bank of America
- Qualcomm
- Bahwhan Cybertek Inc.

Data Science & Data Analytics Certificate

Employers are increasingly relying on the data scientist and the analyst to provide clean foundational decisions for their organizations.
In our Data Science and Data Analytics certificate program, you can choose between the Data Science and the Data Engineering tracks.

- **Solve real-world problems using Big Data**
- **Obtain, manipulate, analyze, and visualize volumes of data that drive business**
- **Create effective data models**

You can also earn a specialization in a related track such as ***AI Strategies, Productivity and Practices***, ***Python***, or ***DevOps and Data Virtualization***.

"We used to go to Meetups a lot at Nvidia, Facebook and Google. There is a lot of networking there.

—***Renato Roschel Ribeiro,*** *Director of Digital & Analytics | Data Analytics Professor; Formerly Data Analyst at Google (OPT)*
Alumnus of Data Analytics and Data Science Program
BRAZIL

Computer Programming Certificate

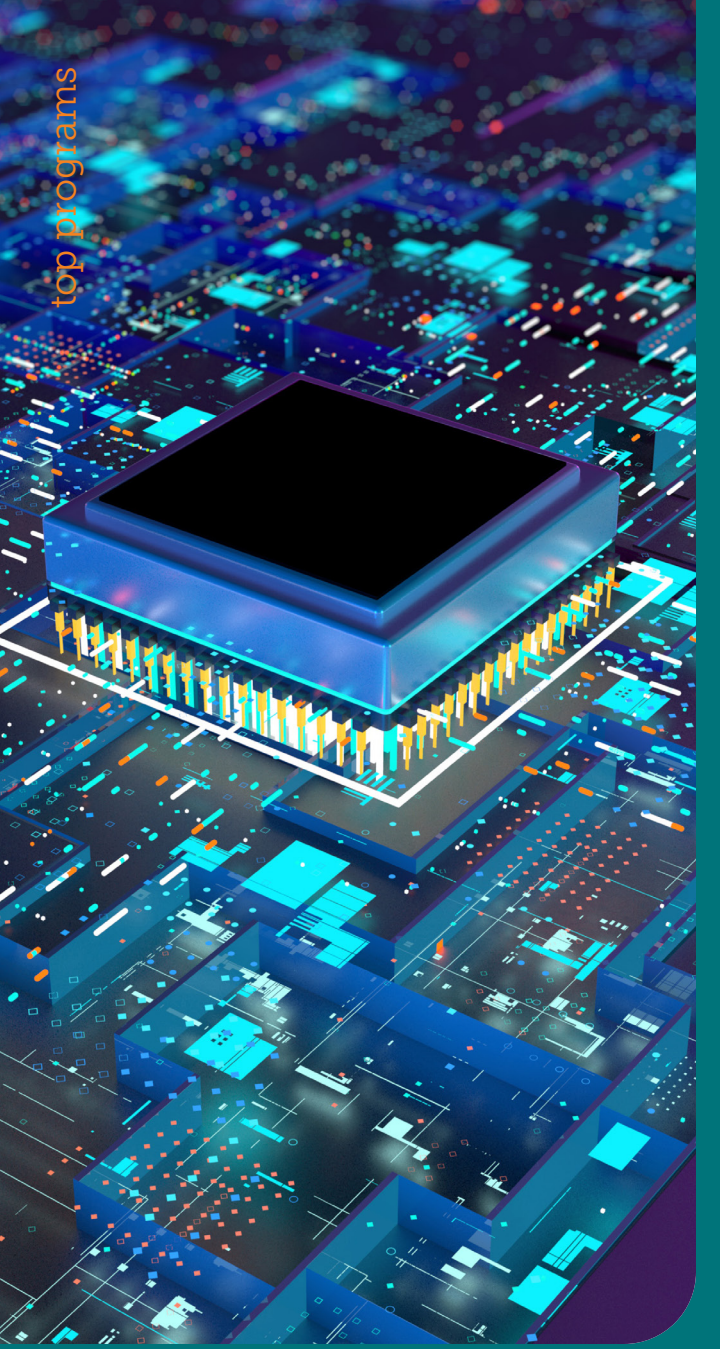
Learn to write and read computer code in high-demand languages with the help of AI-boosted technology in courses for entry-level and mid-level programmers.

- **Develop logically structured software solutions in a high-level programming language**
- **Design object-oriented systems**
- **Solve software system problems using advanced algorithm concepts and computer science theory**

Many of our students augment their certificate training with a related specialization such as ***Mobile Application Development, Java Development,*** or ***Python***.

"I definitely consider my stint at UCSC Silicon Valley as pivotal in my career.

—***Sharadha Ramakrishnan,*** *Engineering Coach*
Alumna of the Computer Programming Certificate Program
INDIA



Silicon Chip Design & Semiconductor Engineering Certificate

Learn next-level VLSI design skills for top Silicon Valley companies

UCSC Silicon Valley Extension Silicon Chip Design & Semiconductor Engineering professional certificate program provides students with the core design skills they need to work at top companies in the Valley. Both established and aspiring engineers develop new skills, gain insight into digital and analog design techniques and methodologies, and learn from our expert faculty.

In our VLSI lab, our instructors will give you the opportunity to get hands-on experience with:

- **Hardware specification**
- **Logic design**
- **Verification**
- **Synthesis**
- **Physical implementation**
- **Circuit design**
- **Integrated circuit product testing**
- **The latest EDA tools on Linux**

Using premier industry tools from ***Cadence***, ***OpenROAD***, ***Siemens***, and ***Synopsys***, you'll learn front-end and back-end ASIC design and leave the classroom ready to apply new skills at your job.

"What stood out to me was the active class participation and the engaging, insightful discussions led by the instructor.

—***Aman Maldar,*** *Product Development Engineer, Intel*
Alumnus of the Silicon Chip Design and Semiconductor Engineering Program
INDIA

User Experience & Web Design Certificate

The UX and web design field continues to evolve rapidly reflecting advancements in AI technology, and evolving industry demands, and accessibility requirements. We focus on the leadership skills you need to compete in this dynamic field and help you create a beautiful portfolio to showcase your achievements.

- **AI-powered design solutions**
- **Accessibility standards**
- **Ethical design practices**
- **Hands-on learning**
- **Real-world application**

You'll work with the latest design systems and collaboration tools including ***Figma***, ***Miro***, and ***Jira***.

Many of our students augment their certificate training with a related program such as Software Engineering and Quality or Project & Program Management.

"The courses really helped me to build real life experience which is really helpful when you're looking for a job.

—***Agnieszka Zimolag,*** *Alumna of the User Experience and Web Design Certificate Program*

INDIA

Business Administration Certificate

Strengthen your leadership and management skills in this intensely practical program for aspiring business leaders and startup entrepreneurs. You'll learn the nuts and bolts of business—from finance, business development, and management to American business law and marketing.

- **Handle the day-to-day aspects of running a business**
- **Use evidence-based methods to maximize company performance**
- **Network with industry professionals**
- **Practice facilitation, negotiation, and coaching**
- **Unify employees toward a growth mindset**

Some students pursue a related specialization to their program such as ***AI Strategies, Productivity and Practices***, ***Administrative Professionals***, ***Social Media Marketing***, or ***Lean-Agile Project Management***.

"Even though I had my degrees, what you learn in books is different than what you can practically apply on the job.

—***Meliza Pampoorickal,*** *PHR, Senior Human Resource Manager and Alumna of the Human Resource Management Program*
INDIA

Project & Program Management Certificate

Learn tools to quickly originate project plans and solve real work challenges from industry leaders who are guiding teams in Silicon Valley's largest companies, most innovative startups, and trend-setting organizations.

- **Establish business needs**
- **Define products**
- **Estimate costs and schedules**
- **Manage risk**

In a final capstone project you'll use project-management tools to develop a simulated project that includes project-management principles, processes, techniques, control, cost management, project tracking, and project outsourcing.

While you'll have the option to study various agile and lean project leadership methodologies—Scrum, Kanban, Scrumban, and the Adaptive Project Framework—you can also add a specialization in ***Lean-Agile Project Management*** or ***AI Strategies, Productivity and Practices***.

"People were very positive here. They focused on solving problems and building things together. The weather and the mentality and the vibration and the innovation—it's a very motivating environment.

—***Eva Janos,*** *Principal Technical Writer and Alumna of the Project and Program Management Program*
HUNGARY

Marketing Management

Master new tools and strategies to succeed in sales and marketing alignment and discover the transformative power of artificial intelligence in crafting personalized customer experiences. You'll complete this program with a complete marketing plan that includes market analyses, strategy, budget, and controls.

- **Create integrated, multi-channel marketing campaigns**
- **Evaluate the success of marketing campaigns based on data**
- **Communicate brand values to diverse audiences**
- **Leverage social media as a selling tool**

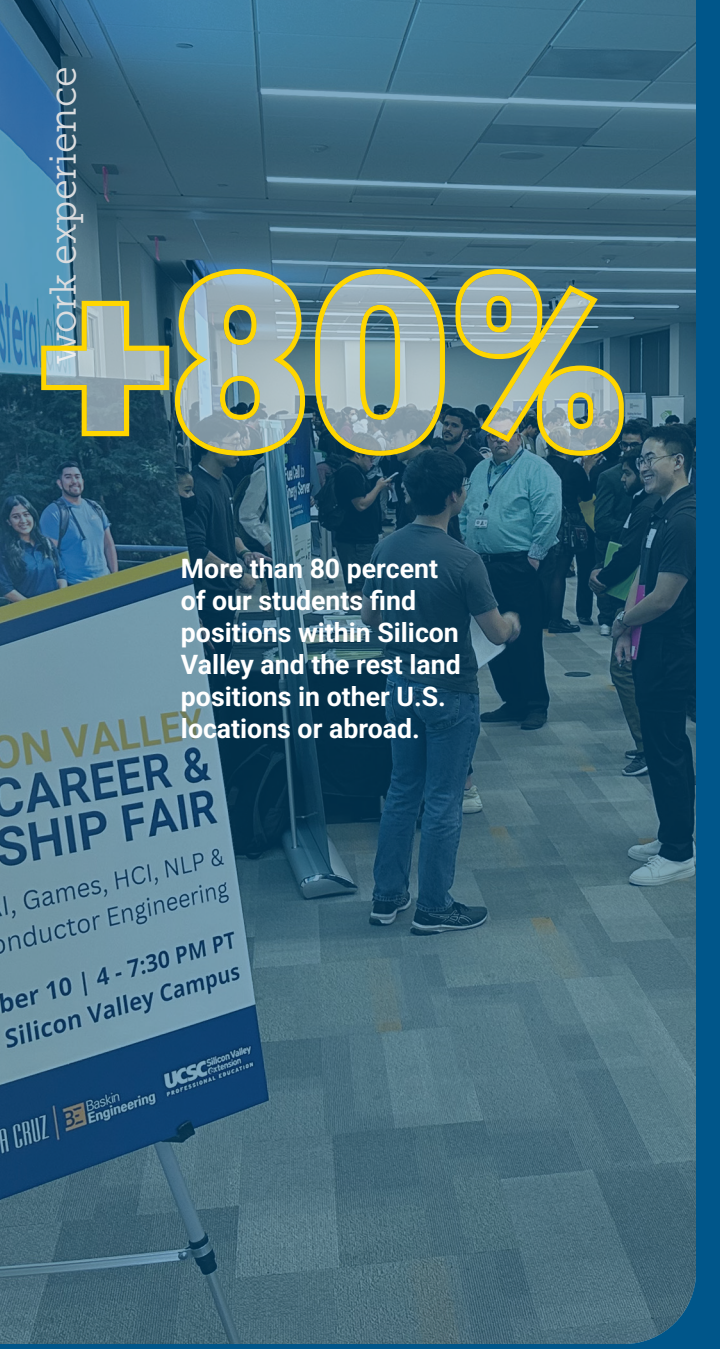
Many students add a secondary certificate such as ***Project and Program Management***, ***Human Resource Management*** or an additional specialization.

"The Marketing Management program provided me with many insights to grow my club of investors. The UCSC Extension courses, coupled with expert instructors, equipped me with practical skills that allowed me to scale my network much faster.

—***Maksim Strelchenko,*** *Entrepreneur and Venture Capitalist, Alumnus of the Marketing Management Program*
BELARUS

Programs Tailored for the International Student Experience

	Certificates 9 to 12 months	Specializations 4 to 6 months	One-Quarter Programs 12 to 15 weeks (more to come!)
BUSINESS			
	Business Adminisration	Administrative Professionals	Business & Administrative Professionals Specialization
	Human Resource Management	Lean-Agile Project Management	Business & Management Specialization
	Marketing Management		
	Project and Program Management		
TECHNOLOGY			
	Artificial Intelligence Application Development	AI Business Skills	Data Science Specialization
	Computer Programming	AI Engineer	
	Data Science & Data Analytics	Data Engineering	
	Embedded Systems	Data Science	
	Software Engineering & Quality	Java Development	
	Silicon Chip Design & Semiconductor Engineering	Linux Development	
		Machine Learning with Python	
		Mobile Application Development	
		Python	
UX DESIGN			
	User Experience & Web Design		
BIOSCIENCES			
	Clinical Trials & Design Management		

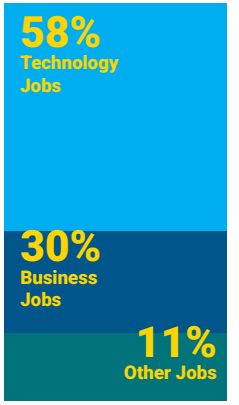


OPT | Internships — On-The-Job Training

Our students have amazing experiences in local startups and global companies.

Once they complete a professional certificate program, students qualify for an unpaid internship and a temporary paid work experience through the Optional Practical Training (OPT) program.

JOBS FOUND BY INDUSTRY:



Our international and career services teams are busy supporting students who are improving their job search skills.

- **Weekly resume workshops**
- **Access to application tracking system technology**
- **1:1 career services**
- **English business communication workshops**
- **Career fairs**

Silicon Valley professionals build community—by sharing ideas, energy, and practical support for the next generation of innovators with the peers they meet in class settings, bonding over project assignments and on-the-job training.

Contact Us Today: **extensioninternational@ucsc.edu**

Admission Requirements —for International Students

Education: Two years of college experience. This can be an associate's, bachelor's, master's, doctorate, or other equivalent higher degree.

English Proficiency: Score of iBT TOEFL 70; IELTS 6.0; Duolingo 95.

International Student Orientation: held 1–2 weeks before the start of each quarter.

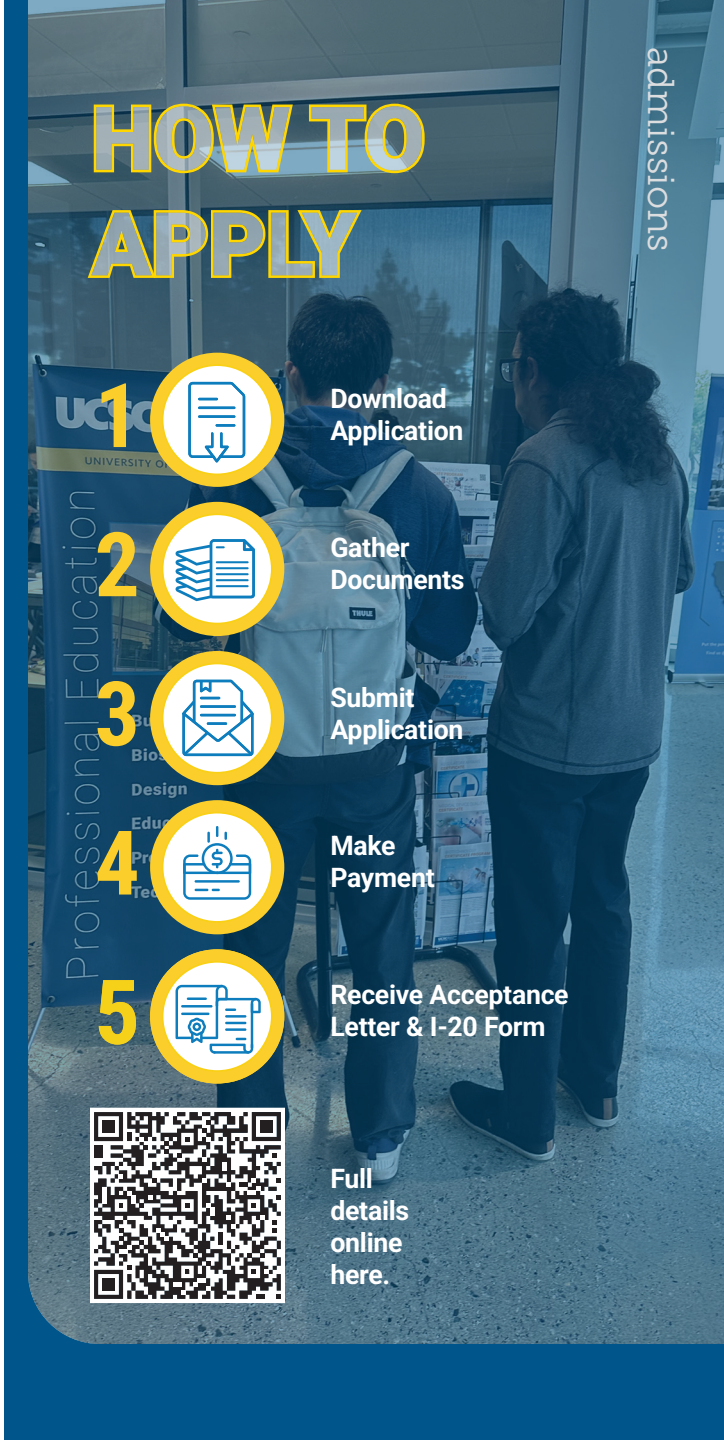
PROGRAM COSTS

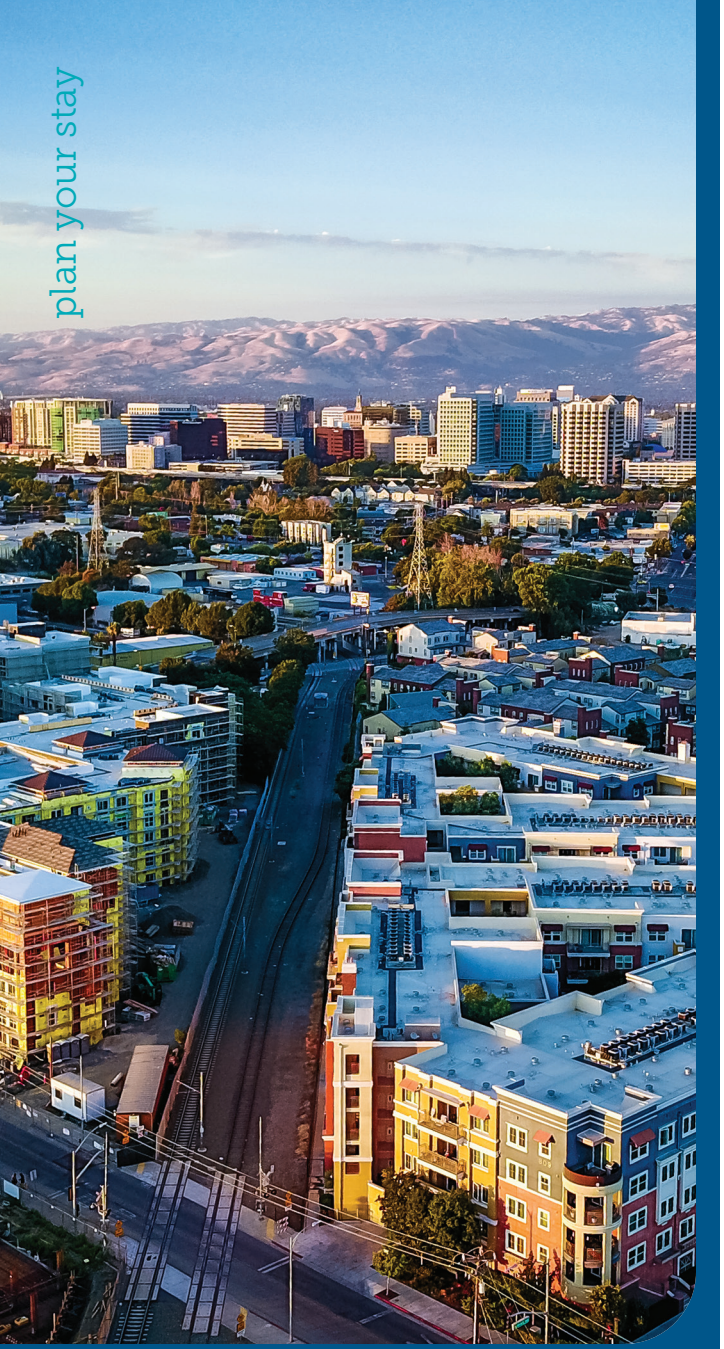
Short Program (1 quarter): $5,000 - $6,000
Full Certificate (9-12 months): average $15,000
(Includes $1,700 international student fee charged on a per-quarter basis.)

ANNUAL CALENDAR AND APPLICATION DEADLINE TABLE

International student applications must be submitted by the following dates:

	Overseas Application Deadline	Transfer Application Deadline
Fall	July 15	August 1
Winter	November 15	December 1
Spring	February 15	March 1
Summer	May 1	May 15





Housing and Transportation in Silicon Valley

You have numerous options for finding an apartment!

The Silicon Valley housing market is hot these days. Prices vary widely, from about $800/month for a room in a house to more than $3,000 for a house with multiple rooms. Be sure to check our **Housing Guide*** for our top housing referrals.

TRAVELING HERE

Airports (distance from UCSC Silicon Valley Campus)

- **San Jose International Airport (SJC) | ~ 10-min by car** *(with light traffic)*
- **San Francisco International Airport (SFO) | ~32-min by car** *(with light traffic)*
- **Oakland International Airport (OAK) | ~41-min by car** *(with light traffic)*

Getting Around

- **Buses**
- **Rail** *(BART, Caltrain, Light Rail)*
- **Uber, Lyft**
- **Car**
- **Bike paths**

Transportation - see map

**There is no on-campus housing available.*

Sue Coakley | Marketing Managment

"What I love about marketing is it allows you to exercise both the creative and analytical sides of the brain, and ultimately deliver value to both customers and your organization.

Eric Dorf | User Experience and Web Design

"My passion is to provide the skill sets and tools for students to be successful in an ever-evolving UX environment.

PROGRAM CHAIR

Alka Jarvis | Software Engineering & Quality

"Our instructors are continuously scanning Silicon Valley to see the new things that are happening in the software industry, in the quality industry, and in web design to keep their courses current.

Partha M. Padmanabhan | Data Science Data Analytics

"Dealing with data through data science and machine learning is an everyday affair for any company. There is a tremendous need for people who are up for this challenge.

PROGRAM CHAIR

PROGRAM CHAIR

Bineet Sharma | Computer Programming

"This is an exciting time for programmers. AI is revolutionizing my students' learning.

Nicole L. Sharratt | User Experience and Web Design

"Learning the language of design provides you with a way to communicate your ideas to your product team members and bring them to life.

Alan Tsuda | Project and Program Management

"Your classmates are key to your experience here—coming from many parts of the world and working in both local and global organizations.

Learn from Silicon Valley Professionals

Instructor Experience

Silicon Valley is a culture built on the weaving together of new dynamic businesses, innovation, and relationships, and this is reflected in the way we create and teach our courses at the UC Santa Cruz Silicon Valley Campus.

Instructors who work here come from some of the biggest companies in the world: Adobe, Amazon Web Services, AMD, Apple, Cisco Systems, Dell Technologies, DoorDash, Genentech, Gilead Sciences, Google, Intel, Meta, Microsoft, UCSF Medical Center…just to give you an idea of depth of skills.

Instructors hold titles such as: Consulting Marketing Leader; Data Engineering Lead; Entrepreneur; Excellence Officer; Founder & Global Team Consultant; Founder of a Silicon Valley consultant firm; General Manager—web services; Senior Software Engineer—developing apps & optimizing data collection pipelines; Senior UX Designer; Technologist, VP of Product Design.

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UNIVERSITY OF CALIFORNIA

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