

Interdisciplinary Science Research Program at UC Davis *Draft Program and Estimate*

- 3-Week Program scheduled in Summer 2018, Winter 2019, 22 nights
- 15 - 25 participants: undergraduate and graduate students
- Students have high-intermediate and higher English proficiency levels, for example TOEFL iBT 79-89 and higher or IELTS 6 or higher
- Students enter the U.S. on F-1 visa supported by UC Davis

Program Courses

- | | |
|---|----------------------------------|
| • English for Science | 13 hours (60 min. class x 13) |
| • Presentation Skills | 13 hours (60 min. class x 13) |
| • Site-visit Preview and Review
4 preview classes and 4 review classes | 8 hours (60 min. class x 8) |
| • <u>2 Off-Campus Site-visit including transportation</u> | 2 - 4 hours (1-2 hours each x 2) |
| • <u>2 On-Campus Site-visits</u> | 2 - 4 hours (1-2 hours each x 2) |

→ For the Site-Visit Course only, students are grouped into three or four interdisciplinary groups based on research themes below. Students rank themes for deciding placements. Each group will have their own Site-Visit Instructor and their own set of 4 site-visits, 2 on campus and 2 off. Themes can be defined based on students' academic department and research interests.

Example Research Themes & Site-visit Examples

Renewable Energy and Passive Solar Houses for Engineering

UC Davis West Village
Solar Community Housing Association of Davis
California Energy Commission
Blue Oak Energy
US Army Corp of Engineers Hydroelectric Engineering Center

Biochemical Innovations for Chemical Engineering

Bioprocess & Biomedical Engineering
Department research lab on biofunctional materials
Chemical Engineering Coffee Laboratory
Novici Biotech
Novozymes

Enology & Viticulture and Beer Brewing for Agriculture

Robert Mondavi Institute for Food and Wine Science
Wine Making Lab at UC Davis, Department of Viticulture and Enology
UC Davis Beer Brewing Lab
Local beer brewers including Sudwerk
Napa Valley wineries

Sustainable Agriculture for Agriculture

UC Davis Student Farm
UC Davis Agriculture Sustainability Institute
UC Davis Olive Center
Robert Mondavi Food and Wine Institute
Seed Technology Center
Farmer's Rice Cooperative
Mariani Almond Growers
Full Circle Organic Farm

Food Safety for Agriculture for Agriculture

Western Institute for Food Safety and Security
UC Davis Agriculture Sustainability Institute
Robert Mondavi Food and Wine Institute
Seed Technology Center
Farmer's Rice Cooperative
Full Circle Organic Farm

IT Innovation for Business Enterprise and Computer Engineering

Graduate School of Management Institute for Innovation and Entrepreneurship
Center for International Data
Siemens
Hewlett-Packard
HackerLab

Robotics & AI for Mechanical and Computer Engineering

The Center for Nano and Micro Manufacturing (CNM2)
Bioinstrumentation and BioMEMS Laboratory
Intelligent Manufacturing Laboratory
FMC Technologies Schilling Robotics
HackerLab

Entrepreneurship and New Venture Development for Business Enterprise

UC Davis Innovation Access
Graduate School of Management Institute for Innovation and Entrepreneurship
Northern California World Trade Center
Sacramento Angel Investors
Sacramento and/or Bay Area IT Start-Ups

Program Includes

- Program development, planning and coordination with UC Davis departments
- Production and printing of materials and handouts; Arrival Orientation
- SFO-Davis Airport Chartered Bus round-trip with escort and greeting inside airport
- Welcome Reception and Program Completion Reception with food and beverages
- F-1 visa support and I-20 processing and SEVIS records
- Certificates of completion awarded

Program Estimated Fees (based on 15 participants) \$1,980 per person

Homestay

Private room with local family, single occupancy:
3 meals a day, 22 nights (paid to Davis Housing Services) \$870 per person

Bicycle Rental (Recommended)

Bicycle rental for 21 days estimated: \$85 per person
Includes bicycle and lock, small light; helmet for additional \$5

TOTAL ESTIMATED FEES (based on 15 participants) **\$2,935 per person**

Campus Dormitory Estimate

Double Occupancy with 3 meals a day in Dining Commons \$1,460 per person

Not Included

Health Insurance

Transportation for San Francisco and/or Berkeley for Weekend Trips:

From Davis to SF on Amtrak Train plus BART Train is about \$28 one-way and takes 1 hour 45 minutes (about \$56 round-trip). We can arrange charter bus for about \$70-\$80 round-trip per person.

Weekend Day Trip Examples and Estimates

- San Francisco Day Tour, \$80 per person
- Six Flags Vallejo Day Trip, \$125 per person
- Major League Baseball Game, San Francisco Giants, prices vary
- We can customize day trips

Weekend Trip Examples and Estimates

- Yosemite National Park 2 days 1 night, quad occupancy, \$255 per person
- LA, Venice Beach & Santa Barbara 3 days 2 nights, quad occupancy, \$295 per person
- We can customize weekend trips for example to Monterey, Muir Woods, etc.

We can coordinate with USA Student Tour for tours out of Davis:

<https://usastudenttour.com/student-tours-from-davis/>

Sample schedule on the next page.

Interdisciplinary Science Research Program at UC Davis
3-Week Program Summer 2017 *Example schedule (not the actual schedule)*

	Sun	Mon	Tue	Wed	Thu	Fri	Sat
AM	20 Aug	21 Aug	22 Aug	23 Aug	24 Aug	25 Aug SFO Arrival	26 Aug
PM						Orientation Enter Housing	Free time or Weekend Trip
AM	27 Aug Free time or Weekend Trip	28 Aug English for Science & Engineering Presentation Skills	29 Aug English for Science & Engineering Presentation Skills	30 Aug English for Science & Engineering Presentation Skills	31 Aug English for Science & Engineering Presentation Skills	1 Sept English for Science & Engineering Presentation Skills	2 Sept Free time or Weekend Trip
PM		Site-Visit 1 <u>Preview</u>	Site-Visit 1	Site-Visit 1 <u>Review</u> Site-Visit 2 <u>Preview</u>	Site-Visit 2	Site-Visit 2 <u>Review</u>	
	3 Sept Free time or Weekend Trip	4 Sept Labor Day Holiday	5 Sept English for Science & Engineering Presentation Skills	6 Sept English for Science & Engineering Presentation Skills	7 Sept English for Science & Engineering Presentation Skills	8 Sept English for Science & Engineering Presentation Skills	9 Sept Free time or Weekend Trip
			Site-Visit 3 <u>Preview</u>	Site-Visit 3	Site-Visit 3 <u>Review</u>	Site-Visit 4 <u>Preview</u>	
AM	10 Sept Free time or Weekend Trip	11 Sept English for Science & Engineering Presentation Skills	12 Sept English for Science & Engineering Presentation Skills	13 Sept English for Science & Engineering Presentation Skills	14 Sept English for Science & Engineering Presentation Skills	15 Sept Students' Final Presentations	16 Sept Departure For SFO
PM		Site-Visit 4	Site-Visit 4 <u>Review</u>	Presentation Rehearsal	Presentation Rehearsal	Students' Final Presentations Certificate Ceremony	

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