

Graduate-Study and Mobility Opportunities in California and Colorado

In Partnership with the Balsells Program



Faculty Representatives

Professor Robert Davis, CU Boulder

Professor Roger Rangel, UC Irvine

What to do after graduation?

- Get a job

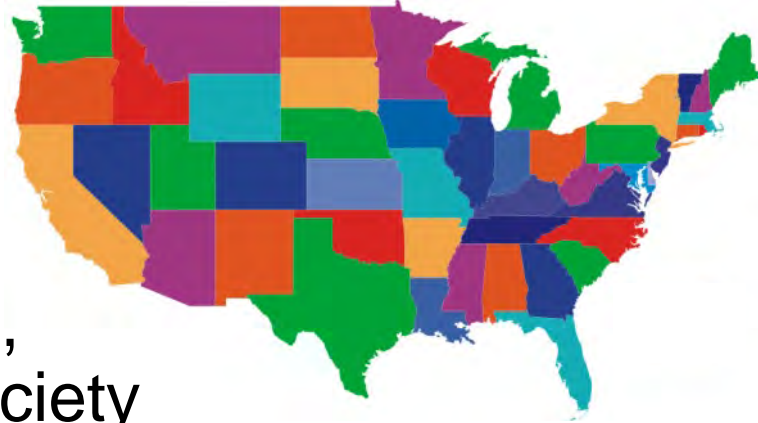


- Learn more, become an expert and **leader** in your field



Why Graduate School in the USA?

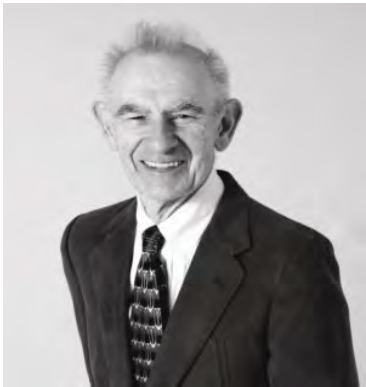
- Opportunity to travel
- Learn more, better yourself, and benefit society
- Live abroad
- Expand your career options
- Achieve competitive positions and salaries



Historical Perspective

- The Balsells Fellowship (1996-2019)

Pete Balsells



Generalitat de Catalunya



- Annual Balsells funding discontinued after 2019-2020 school year but funding from the universities and a Balsells endowment at UC Irvine allow for modified programs to continue in both Boulder and Irvine.

Peter J. Balsells

- Born in Barcelona in 1928
- Moved to United States at age 18
- Graduated from CU Boulder in 1952
 - B.S. degree in Mechanical Engineering
- Started **Bal Seal Engineering Company** in California in 1958 with his wife, Joan
 - Located near Irvine, California, and Colorado Springs, Colorado, the company today employs over 500 people
- Started the Balsells Fellowship Program at UCI in 1996
- Started the Balsells Graduate Fellowship Program at CU Boulder in 2010; at UCCS in 2013; and at UCD in 2015
- Francesc Macia Medal in 2003
- Premi Nacional de Recerca, Categoria Mecenatge in 2012
- Creu de Sant Jordi in 2013
- Honorary doctorates from CU Boulder (2014) and UdG (2016)



Student Opportunities

Mobility Program

Short-term visits of 4-6 months to the U.S. to carry out final project for Bachelor's or Master's degree and to explore possibility of returning to the U.S. for graduate study at UC Irvine or CU Boulder.

Graduate Studies

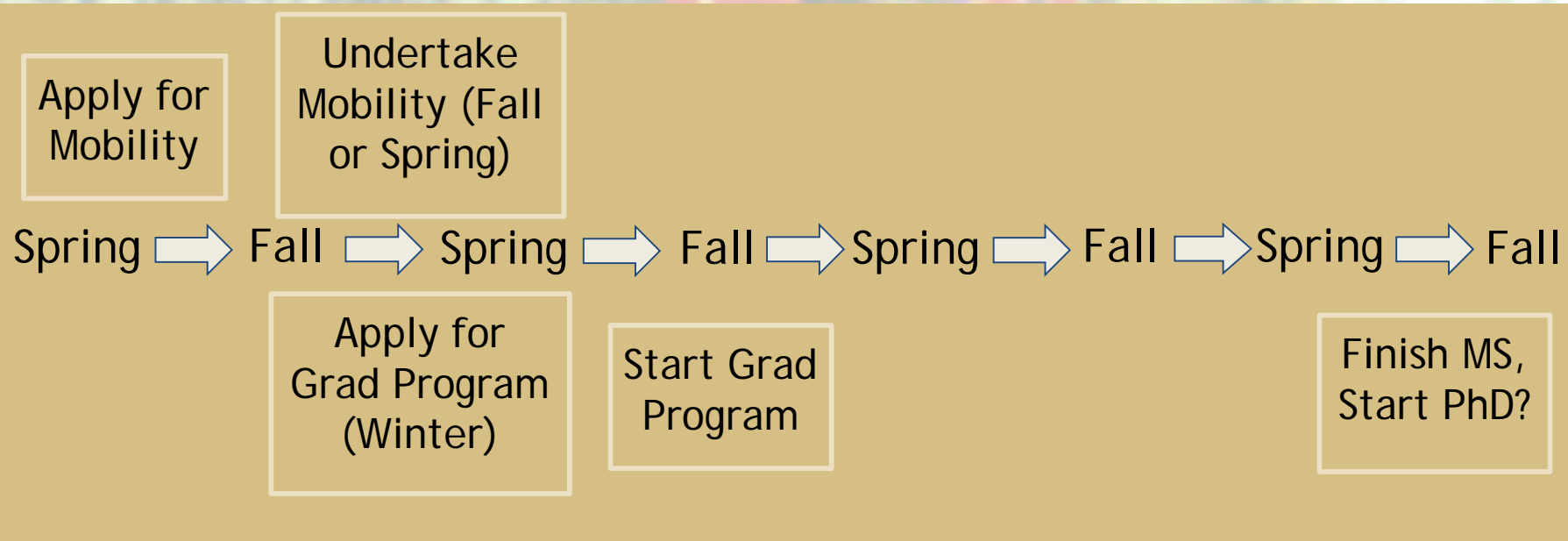
Long-term visits to obtain terminal Master's degree (Irvine) and/or PhD degree with option for Master's on the way (Irvine or Boulder).

Postdoctoral Fellowship (UC Irvine)

One-year visit for PhD holders to conduct research at UC Irvine under the guidance of a faculty member.

Mobility and Graduate Programs

Mobility: Short-term visit of 4-6 months to U.S. to do final project for undergraduate or Master's degree, **and to explore possibility of returning to the U.S. for graduate study in Boulder or Irvine.**



Graduate Fellowship: Long-term visit of 2-5 years to U.S. to obtain M.S. degree (1.5-2 years) and/or PhD degree (4-5 years, including MS on the way).

Balsells Fellowships 1996-19

UC Irvine

134 MS and PhD fellows
15 post-doctoral fellows
71 mobility fellows

CU Boulder

52 MS and PhD fellows
54 mobility fellows

UCCS

30 MS and PhD fellows
38 mobility fellows

UC Davis

3 MS fellows
3 mobility fellows

Catalan Universities:

UAB, UB, UdG, UdL, UPC, UPF, URL, URV

From Catalonia to California and Colorado



Irvine - Orange County - Southern California

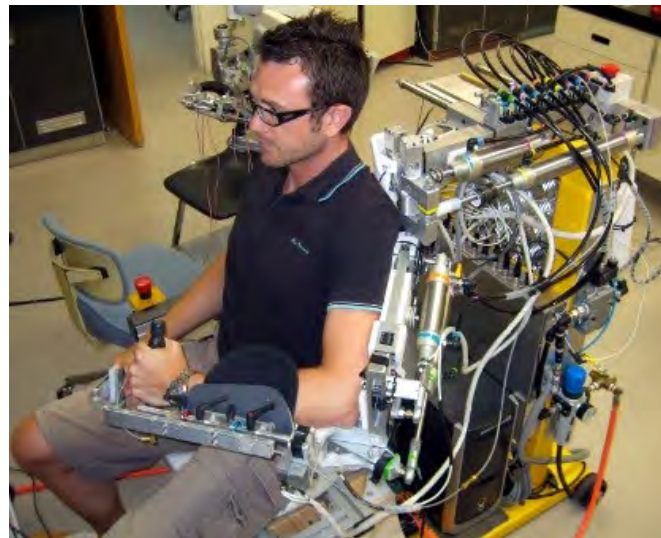
- Pop: 267,000 (Irvine)
3.2 Million (Orange Co.)
- 60 km south of Los Angeles
- A hub of high tech companies
- Surrounded by beach, mountains, arts, and entertainment



University of California, Irvine Snapshot



- www.uci.edu
- 36,000 students
- 15 schools and programs
- 3,100 teaching faculty members
- 7th among all U.S. public universities (USNews&WR 2019)
- 3 Nobel prizes



Henry Samueli School of Engineering



4,000 Undergraduates
1,000 Graduate
students
150 Faculty Members

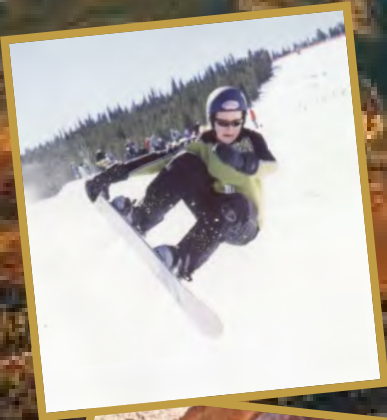
Six Departments:

www.eng.uci.edu

- Biomedical Engineering
- Chemical Engineering
- Materials Science
- Civil & Environmental Engineering
- Electrical Engineering & Computer Science
- Mechanical & Aerospace Engineering

Boulder, Colorado

- 105,000 people
- 1,655 m elevation
- 40 km from Denver
- 300 days of sunshine per year
- Recreation
- Culture



University of Colorado Boulder

- Founded 1876
- 34,600 students
- 5 Nobel Prize Winners
- 8 Schools & Colleges



- Bellsells Graduate Fellowship Program started 2010
- Special strengths in aerospace, bioengineering, chemical, civil, computer, electrical/telecom, environmental, materials and mechanical engineering

College of Engineering and Applied Science

9 Departments/Programs

Aerospace Engineering Sciences
Alliance for Technology, Learning and Society
Chemical and Biological Engineering
Civil, Environmental, and Architectural Engineering
Computer Science
Electrical, Computer, and Energy Engineering
Interdisciplinary Telecommunications
Materials Science and Engineering
Mechanical Engineering

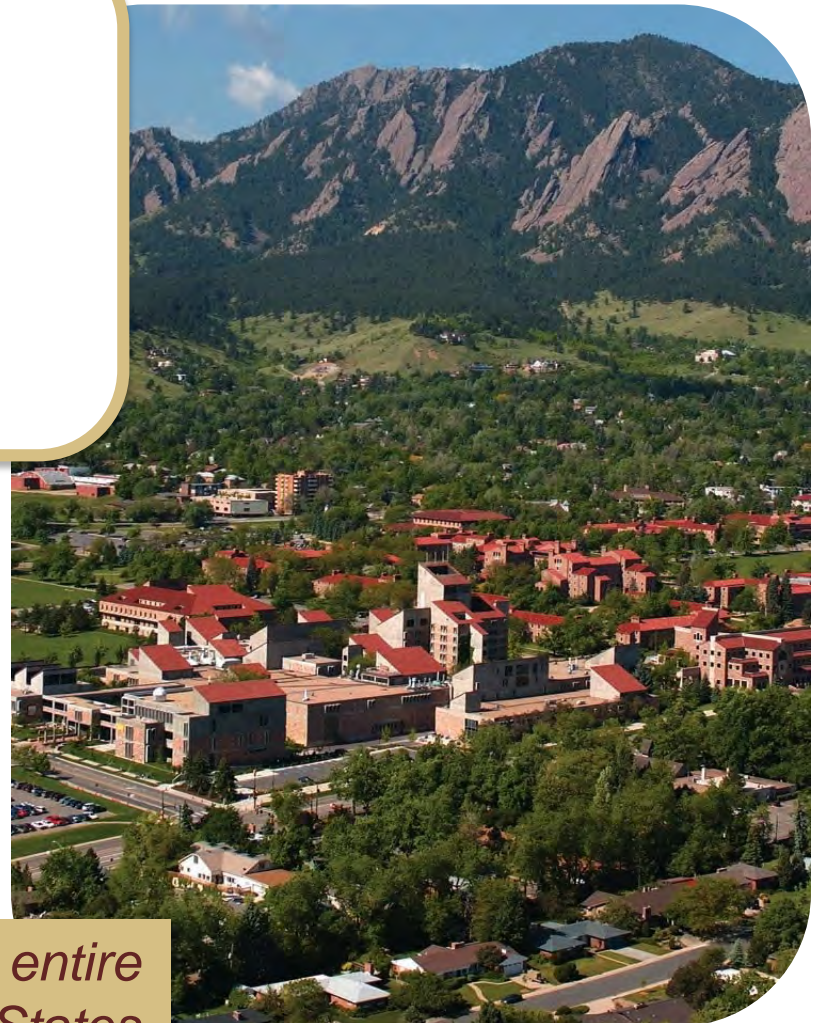
4,975 undergraduates

2,083 graduate students

440 faculty members

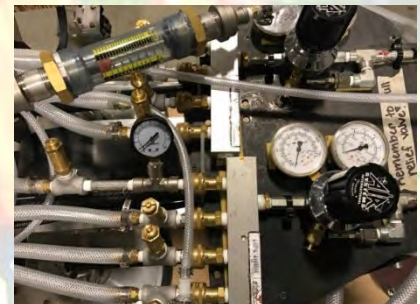
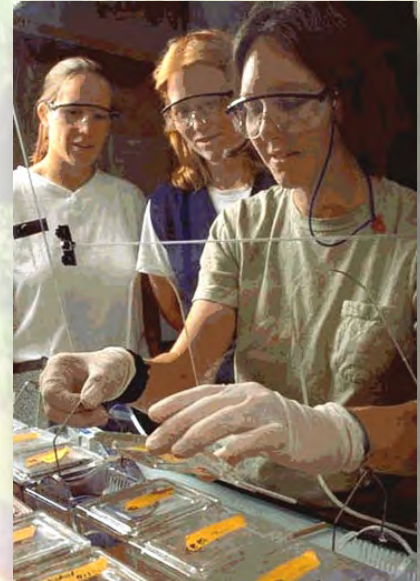
engineering.colorado.edu

*Top-ranked engineering school in the entire
Rocky Mountain region of the United States*



Mobility Program

- Undergraduates or master's students
- Undertake final project or master's thesis typically for one term (4-6 months) at UC Irvine or CU Boulder
- UC Irvine: balsells.eng.uci.edu
- CU Boulder: www.colorado.edu/engineering-international/balsells
- Partial funding provided (\$5,500 to \$7,000) by the host university in Boulder or Irvine
- **Great way to explore returning for graduate study!**



How to Apply for the Mobility Program

Students interested in the Mobility Program should:

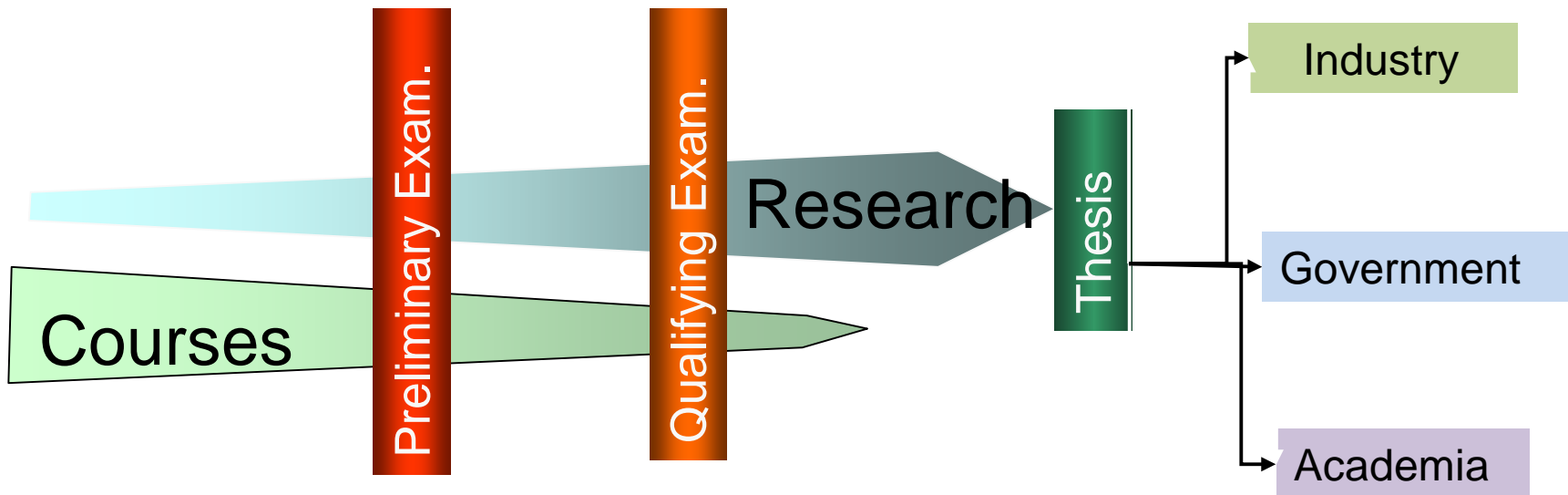
- Be interested in future Master's (Irvine) and/or PhD (Irvine or Boulder) and intend to apply for the graduate program
- Have a strong academic record and at least intermediate English proficiency
- Provide letter of interest, curriculum vita, and academic transcript (all in English) to:
 - **UC Irvine:** Balsells Fellowship Program at balsells@uci.edu
 - **CU Boulder:** Andrew Wingfield at andrew.wingfield@colorado.edu

Graduate Programs

Master's: 1.5 – 2 years with thesis (Irvine only)



MS & Ph.D.: 4-5 years total (Irvine or Boulder)



Graduate Student Support

The support includes:

- Monthly stipend: **\$2,250 to \$2,750 per month, approximately**
- Tuition, Fees & Insurance: **\$30,000 to \$36,000 per year, approximately**
- Travel stipend: **\$1,500 per year (Irvine)**
- Total value: **\$65,000 per year, approximately**
- The primary sources of funding are research & teaching assistantships at both Irvine and Boulder; these assistantships are primarily for students who intend to get a PhD (with or without a master's degree on the way)
- Some Balsells Fellowship funds are available at UC Irvine for master's and/or PhD degrees
- 8-10 new Catalan students each year, approximately

Postdoctoral Fellowship at UC Irvine

Postdoctoral Fellowship in Engineering (UC Irvine)

- Monthly stipend: **\$4,150 per month**
- Health Insurance: \$10,000-25,000 per year
- Travel stipend: \$1,500 per year
- Total value: **\$75,000 per year**
- Up to 2 fellowships each year



Balsells Eligibility (UC Irvine only)

Who can apply?

Spanish citizens who are permanent residents of Catalonia; speak English, Catalan and Spanish; and are graduates from Catalan or other European universities majoring in engineering or related fields.

Assistantships are available to students from any country



Timeline for Graduate (MS/PhD) Application

For undergraduate students currently in their 4th year or
M.S. students in their final year

What

When

This presentation	Sep/Oct 2019
Take GRE and TOEFL or IELTS exams	Nov/Dec 2019
Complete graduate application.....	Dec 2019 / Jan 2020
Admissions decision by the university.....	Feb/Mar 2020
Decisions on funding announced.....	Mar/Apr 2020
Fall term of graduate school starts.....	Aug/Sep 2020

Timeline for Mobility and Graduate Application

For undergraduate students currently in their 3rd year or
MS students in their first year

What	When
This presentation	Sep/Oct 2019
Apply for Mobility	Feb 2020
Start Mobility.....	Fall 2020 or Spring 2021
Take GRE and TOEFL or IELTS exams	Dec 2020
Complete graduate application.....	Dec 2020 / Jan 2021
Admissions decision by the university.....	Feb/Mar 2021
Decisions on financial support announced.....	Mar/Apr 2021
Fall term of graduate school starts.....	Aug/Sep 2021

Admissions—How To Apply

Requirements for admission to any of the graduate programs:

- Undergraduate transcripts (original and English translation)
- GRE scores
- TOEFL/IELTS scores (can be waived for Boulder)
- 3 Letters of recommendation
 - Highlighting your potential for performing independent, thoughtful research, and ability to think beyond formal course assignments
- Candidate statement (Statement of Purpose)
 - How you prepared for the graduate degree (courses, experiences)
 - Interests and career goals (why you want to pursue this degree)
 - Fit (why you are a good match for the program)
 - Your personal history that helped you decide to pursue this degree

Application and Exam Websites

Information on GRE, TOEFL & IELTS exams:

www.gre.org, www.toefl.org, www.ielts.org

Information on applying to UC Irvine:

<http://www.grad.uci.edu/admissions/applying-to-uci/>

Information on applying to CU Boulder:

<http://www.colorado.edu/admissions/graduate/international>

Thank you! Any questions?

For additional information please contact:

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University of Colorado Boulder

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colorado.edu/engineering/balsells

