Europe-Colorado Balsells Program

Professor Robert Davis and Britta Bergstrom

University of Colorado Boulder
From Europe to Colorado
Two Student Opportunities

**Mobility Program**
Short-term visits to Colorado of 4-6 months to carry out final project for Bachelor’s or Master’s degree and to explore possibility of returning for a Master’s and/or PhD.

**Graduate Study**
Long-term visits to obtain Master’s degree (1.5 - 2 years) and/or PhD degree (4 - 5 years, including Master’s).
Historical Perspective

The Balsells Fellowship (1996-present)

Pete Balsells

Europe-Colorado (EC) Program (2020-present)

Expanded opportunities for students from any European country
• 110,000 people
• 1,655 m elevation
• 40 km from Denver
• 300 days of sunshine per year
• Recreation
• Culture
Boulder: Summer and Winter
Europe-Colorado Community Events
University of Colorado Boulder

- Founded 1876
- 36,000 students
- 5 Nobel Prize Winners
- 8 Schools & Colleges

College of Engineering & Applied Science
- 9,000 students
- Top ranking in region
- 9 departments/programs
CU Engineering Excellence

World-class expertise:
- Aerospace
- Computing
- Energy/Env. Sustainability
- Health/Bioengineering
- Materials

Top-10 public rankings:
- #5 Aerospace Engineering
- #9 Environmental Engineering
- #10 Chem Eng, Civil Eng

Ties to Industry/National Labs
Mobility Program

• Undergraduates or master’s students
• Undertake final project or master’s thesis for one term (4-6 months) at CU Boulder
• Partial funding provided (up to $6,000)
• Explore research interests and the possibility of returning for graduate study!

Please visit the following website for more information (it is recommended that you apply by 15 March for the next school year):
https://www.colorado.edu/engineering-international/europe-colorado-program
Graduate Program

M.S.: 1.5-2 years; Ph.D.: 4-5 years total (including MS)

Courses → Preliminary Exam. → Qualifying Exam. → Research → Thesis

Industry → Government → Academia

Graduate student support typically includes:

- Research & teaching assistantships available for students seeking a PhD
- Monthly stipend: approximately $36,000 per year ($3,000 per month)
- Tuition & Insurance: approximately $40,000 per year
- Travel funding through the Balsells Program available for Catalan students
- See website in previous slide for more information (deadline 1 December)
Special Opportunity for Dual Master’s

- UPC ESEIAAT (Terrassa) & CU Boulder Aerospace
- First year in Terrassa
- Second year in Boulder
- Thesis and some coursework counted at both universities
- Funding available for second year if continuing for PhD at CU Boulder
Balsells & EC Fellows at CU Boulder

59 MS and PhD fellows
101 mobility fellows

Countries represented to-date: Spain, Netherlands, Italy, Ireland, Germany, Hungary, France
Student Profile: From Catalunya to Colorado

Oscar Fuentes Muñoz

• Received BS in Aerospace Engineering from Universitat Politècnica de Catalunya Terrassa
• Came to CU Boulder in Spring 2017 to complete TFG (bachelor’s thesis) with the Balsells Mobility Program
• Awarded the Balsells Fellowship and received master’s degree in 2019 and PhD in 2023 studying astrodynamics

• Currently a postdoc at NASA’s Jet Propulsion Lab in California
Student Profile: From Ireland to Colorado

Aoife Henry

- Received BS in Electrical Engineering from University College Dublin and MS in Energy Science and Technology from ETH Zurich
- Awarded the Europe-Colorado Mobility Scholarship to complete her MS thesis at CU Boulder
- Currently a PhD student at CU Boulder in Electrical, Computer & Energy Engineering researching wind turbines
Student Profile: From UPC North to Colorado

Ulises Techera

• Received BS-MS in Civil Engineering at Univ. Politècnica de Catalunya
• Came to Boulder as a Balsells Fellow and completed PhD in Civil Engineering

• Currently a Teaching Assistant Professor at Colorado Mesa University/University of Colorado Partnership Program
One student’s experience
Thank you!

For additional information please contact:
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colorado.edu/engineering-international/europe-colorado-program
Chemical & Biological Engineering at CU

Two choices for PhD:

- Chemical Engineering
- Biological Engineering

Research Expertise:

- Biomaterials/biotechnology
- Energy & sustainability
- Polymers & soft materials

Students:

- 340 ugrad, 165 grad
- 47% female, 53% male
Student Profile: From UPC South to Colorado

Victor Crespo Cuevas

• Received BS in Industrial Engineering from Escola Tècnica Superior d’Enginyeria Industrial de Barcelona (ETSEIB) at the Univ. Politècnica de Catalunya
• Came to Boulder as a mobility student for his M.S. project
• Returned to Boulder and finished his PhD in Mechanical Engineering in 2023

• Currently a Senior Research Engineer at 3M Corporation in Colorado
Student Profile: From Tarragona to Colorado

Rocio Navarro Vázquez

- Received BS and MS degrees in Chemical Engineering from Universitat Rovira i Virgili
- Came to Boulder in 2015 to complete MS thesis with the Balsells Mobility Program
- Awarded Balsells Fellowship and completed PhD degree in 2020
- Currently a Microfluidics Engineer with Chronus Health in California
Student Profile: From Barcelona to Colorado

Aina Solsona Pujol

• Received BS degree in chemistry from the University of Barcelona
• Came to Boulder in Spring 2023 to do final project through the Europe-Colorado Mobility Program
• Currently a PhD student in Biological Engineering at the University of Colorado as a Balsells Fellow