Makerspace: Bridging Disciplines and Erasing Boundaries

CALIFORNIA STATE UNIVERSITY, CHICO
**Co-Directors**

**Curt DeBerg**  
Professor of Accounting  
Director, Students Advancing Global Entrepreneurship

**Colleen Robb**  
Assistant Professor of Entrepreneurship  
Director, Center for Entrepreneurship

**David Alexander**  
Assistant Professor of Mechanical and Mechatronic Engineering and Sustainable Manufacturing
Entrepreneurship is imagining new solutions to existing problems, creating value, and taking advantage of opportunities.

We want our faculty, staff, and students to embrace the entrepreneurial mindset.
CALIFORNIA STATE UNIVERSITY, CHICO – BRIDGE ENTREPRENEURSHIP

Outstanding Student Experience

MakerSpace
Students, staff, and faculty build, innovate and collaborate

Bridge Faculty Fellows
Funding for faculty to champion entrepreneurship pedagogy

Accelerator Fund
Funding for student startups that focus on interdisciplinary teams

Industry Partnerships
Blue Tech Valley Innovation Cluster, SAGE, Future 4

Outstanding Student Experience
Inside the Classroom.

Outstanding Student Experience
Outside the Classroom.
CSU, Chico – Bridge Entrepreneurship

MakerSpace

Do-it-yourself space where students from all disciplines can gather to create, invent, and learn.

Patrick Newell
Dean Meriam Library, CSU, Chico
40+ faculty and 60 students were interviewed to assess what tools could help enrich their academic experience.

30+ local industry representatives participated in defining Makerspace needs.

Co-Directors interviewed directors of nation’s leading Makerspace programs.

Library Dean Newell and Librarian Wendy Diamond attended several Makerspace conferences.
Sixteen students from eight different majors hired to provide oversight, training, and management of Makerspace.
MakerSpace Usage (333 Projects)

- Personal: 42%
- Senior Project: 20%
- Class Project: 16%
- Other: 11%
- Club Project: 7%
- Library: 4%
- Other: 11%
Looking Ahead

- Past and Future Events
- Analytics Driven
- Library Managed
- Generate Ideas Across Majors
Initial Interdisciplinary Academic Efforts

Business
Dr. Colleen Robb, Peter Straus, and David Rahn offer opportunities to entrepreneurship students to collaborate with other majors in student teams.

Engineering
Dr. David Alexander and Dr. Kevin Buffardi offer entrepreneurship student concepts to their mechanical and computer science engineering students as course projects.

Media Arts
Frank Armstrong offers entrepreneurship concepts to his media arts and design students as course projects to develop brand identity kits.

Efforts to expand the current interdisciplinary academic efforts are underway utilizing the MakerSpace in future semesters as a collaboration space.
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Academic Oversight Board

Eric Houk
College of Agriculture

Ryan Patten
College of Behavioral and Social Sciences

Susan Wiesinger
College of Communication and Education

David Zeichick
College of Engineering, Computer Science And Construction Management

Lauren Ruth
College of Humanities and Fine Arts

Jerome Pouwels
College of Humanities and Fine Arts

Maria Giovanni
College of Natural Sciences

Peter Straus
College of Business
The Financial Picture

Milestones Achieved

- **$5K** Bridge Fellow
- **$31K** Makerspace Student Advisors
- **10** Academic Board Members
- **$25K** Equipment

**College of Engineering, Computer Science and Construction Management**

**Student Learning Fees**

**Volunteers - Spearheaded by College of Business**

**Meriam Library**

Future Ongoing Funding

- **$86,000 per year**
- **$12,285 per College**

- **3** Bridge Fellows
- **10** Makerspace Student Advisors
- **14** Academic Board Members
- **10** 3D Printers (Materials)

**$15K**

**$30K**

**$35K**

**$50K**

**$6K ongoing**

- **Spring 2018**
- **Fall 2018**
- **Summer 2018**
- **Spring 2018**