Industry Interface Spaces

As more private research funding flows into higher education, institutions create different types of space for interaction between students, faculty, and private business.

- Student-Facing Spaces
  - Goal: Grow students’ real-world experience
  - Co-working
  - Private Offices

- Co-working Space
  - Lab Space: None
  - Resource Intensiveness: Low

- Institutions Most Likely to Utilize
  - Baccalaureate, Master’s
  - Established Research
  - Aspiring Research

Flexible and Shared Research Labs

Institutions increasingly move to bench-style labs that serve multiple researchers, promote collaboration, and provide high flexibility to accommodate turnover without reconfiguration.

- Infrastructure Accommodates Future Equipment Needs
  - Movable, movable benches
  - Movable casework
  - Lighting controls, with backlit option
  - Fume hoods
  - Reverse osmosis system

- 300 square feet per researcher in UC Boulder’s shared labs

- 97% of University of Alberta’s researchers in shared lab space

Makerspaces

Makerspaces allow students to convert their ideas into physical objects, supporting hands-on learning and cross-discipline collaboration.

- Case Study: Case Western’s Sears thinkbox
  - $3M Funding raised through venture capital, other campaigns across 12 patrons
  - 110K Visitors; 20% from outside community

Corporate-Inspired Office Spaces

Administrative employees increasingly work in more open layout floorplans with cubicles or benches, benefiting productivity and teamwork.

- Case Study: University of Toronto’s Facilities Department
  - 30% Reduction in number of closed offices
  - 25% Decrease in workstations size
  - 15% Enhanced Staff Satisfaction with Productivity

- In-House Equipment
  - Laser cutter
  - 3D printer
  - Graphic design software
  - Glyph cutter
  - Circuit board router
  - Sewing machine

- Venture capital, chilled water, DI water

- 3D printer

- Laser cutter

- Circuit board router

- Sewing machine

- Snack bar

- Food and drink

- Collaborative study spaces

- Easy Wi-Fi and outlet access

Community-Centric Residence Halls

Institutions continue to invest in luxury-style halls to compete with private developers and boost enrollment, but increase emphasis on community-centric halls that boost freshman and sophomore retention.

- Case Study: BGSU’s Emphasis on Communal Space Drives Retention Rate
  - $4B–$5B Estimated size of the student housing market
  - 78% of freshmen and sophomores live in shared living space

- 30% Increase in the supply of off-campus housing units from 2010 to 2014

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