MATERIALS & RESOURCES
- 84% of construction wastes by weight diverted from landfill
- 24% of building materials by cost were extracted, processed, and manufactured regionally
- 17% of building materials by cost contain recycled content
- 88% of wood products are Forest Stewardship Council (FSC) Certified

INDOOR ENV. AIR QUALITY
- CO₂ sensors ensure adequate fresh air is provided to densely occupied spaces
- Negative air pressure and self closing doors present in rooms with hazardous gases or chemicals to help keep occupants safe
- Both return and outside air filtered before delivered as supply air
- Lighting system controls for individuals and all learning spaces
- Thermal comfort survey to be administered to occupants following project completion

INNOVATION IN DESIGN
- Green Housekeeping Program
- Active green building public education programs
- Low-mercury lighting
- 60% vegetated open space on site in addition to pedestrian accessible walkways

TAKE ACTION TODAY!

PHYSICAL SCIENCES BUILDING
GREEN BUILDING BROCHURE

Southern Corridor

*LEED Gold Certification Anticipated
The Physical Sciences Building (PSB) provides a mix of flex laboratories and office space to accommodate a wide variety of physics, computational, and synthetic chemistry research. At 79,500 square feet, the building is designed to be reconfigured many times over its life to serve evolving research needs.

As part of the project, the historic West Experiment Station (WES) was disassembled, relocated, and rebuilt on a brand new foundation. Interior renovations to the WES increased its usable space by 50% and now houses physics faculty, administrative offices, and graduate student offices from the Physics and Chemistry departments. Interior bridges connect the Physical Sciences Building to the WES and neighboring Goessmann Laboratory. The project originally targeted LEED Silver but is likely to reach LEED Gold Certification.

**WATER EFFICIENCY**

- Water efficient landscaping eliminates the need for an irrigation system
- 30% less water used overall on site

**ENERGY & ATMOSPHERE**

- Overall energy performance optimized by 30%
- Enhanced Commissioning ensures building systems perform as intended post-occupancy
- Select refrigerants used to minimize contributions to global warming and ozone depletion
- Shut the Sash initiative encourages users to manually close the vent hood when not in use to promote safety and energy savings

**SUSTAINABLE SITES**

- Walkable to library, restaurants, performing arts center and other core community services
- Walkable Relocation and remediation of the West Experiment Station (WES) introduces 50% usable space
- Easy access to six campus bus stops and seven PVTA bus lines
- Campus-wide parking policy with discounts for low-emitting and fuel-efficient vehicles
- Strategic hardscaping and light colored roofing mitigates heat island effect