

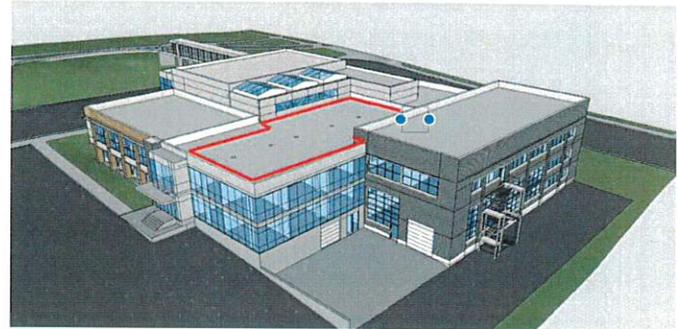


Rio Tinto Kennecott Mechanical Engineering Building - Phase 3 Expansion

PROPOSED PROJECT

The College of Engineering is one of the fastest growing majors at the U, thanks in large part to the Utah SB61 2001 Engineering Initiative.

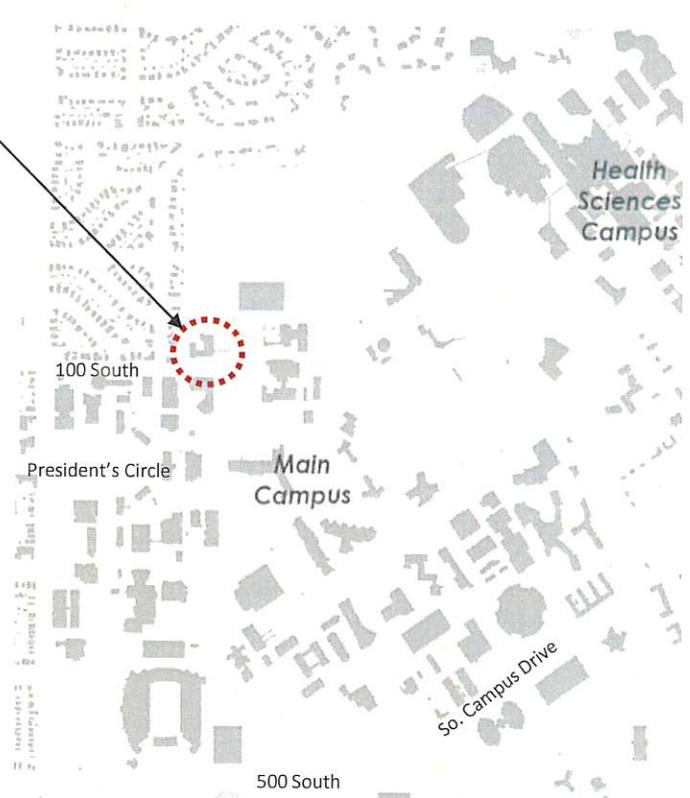
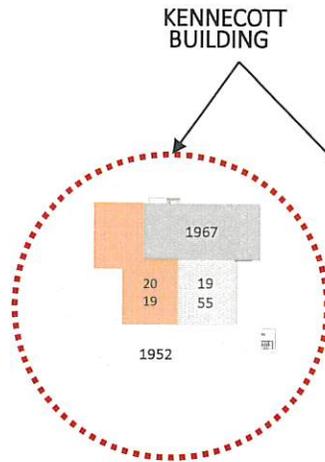
The proposed project is Phase 3 of the Building Master Plan, prepared in 2008. It will provide much-needed space to address growth in mechanical engineering education programs.



PROGRAM

18,089 sq. ft. 3-story "Infill"

- 15 Offices - for 25 students & 10 faculty
- Undergraduate & Graduate Labs
- Student work space
- Mechatronics teaching space
- Thermal Fluid Energy Systems teaching facility



BUILDING HISTORY

- 1952: New Research Facility for the Kennecott Copper Corp.
- 1955: Additions to the northeast
- 1967: Addition to the north
- 1997: U of U takes possession of the building
- 2002: Remodel
- 2004: Upgrades to major infrastructure
- 2008: Master Plan Prepared
- 2013: Phase 1 Renovation of South Wing
- 2015: Phase 2 Northeast Wing & Pedestrian Bridge
- 2019: Phase 3 Infill

Existing building is supported by state O&M and capital improvement funds

PROJECT BUDGET

Construction	\$6,743,780
Soft Costs:	\$2,941,267
Total Project Cost:	\$9,685,047

Source of Funds:

Institutional Funds and Donations

FUNDING REQUEST

State Funded O&M Increase: \$162,100

18,089 gsf x \$8.96 for classroom/office type space

Eligibility for State Capital Improvement Funds



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COLLEGE OF ENGINEERING FACTS

Departments and Programs

- Bioengineering**
- Civil and Environmental Engineering**
 - Nuclear Engineering (MS, PhD)
- Chemical Engineering**
- Mechanical Engineering**
- Materials Science and Engineering**
- Electrical and Computer Engineering**
 - Computer Engineering
- School of Computing**
 - Data Science
 - Entertainment Arts and Engineering

ENROLLMENT GROWTH

Enrollment has grown from 7% of the freshman class to 23% over 14 years

Current Enrollment (Fall 2019 census)

- 5,803 Engineering Students
 - 4,548 Undergraduate
 - 553 Masters
 - 702 Ph.D.

PROGRESS & ACCOMPLISHMENTS

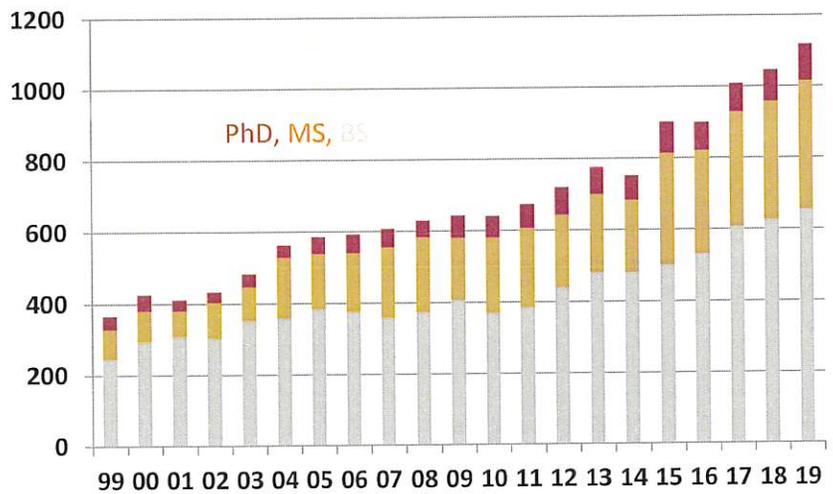
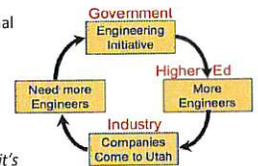
Engineering degrees at the U have increased from 366 per year to 1,122 per year over the past 20 years

- 659 Bachelors of Science
- 360 Masters
- 103 Ph.D.

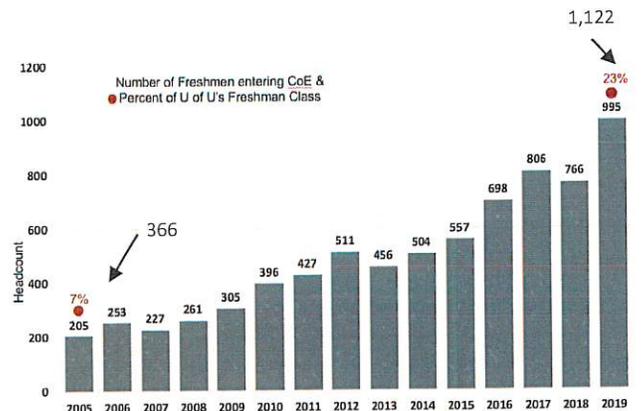


Utah SB 61: 2001 Utah Engineering Initiative

- Increase the number of engineering and computer science graduates to advance the "well being of the State and its citizens."
- Improve the quality of instructional programs
 - Faculty
 - Programs
 - Capital facilities
 - Equipment
- Matching On-Going Funds
The U of U continually exceeds it's annual commitment for number of graduates



Freshman Enrollment Growth in Engineering: 2005 - 2019



Engineering Degrees Granted