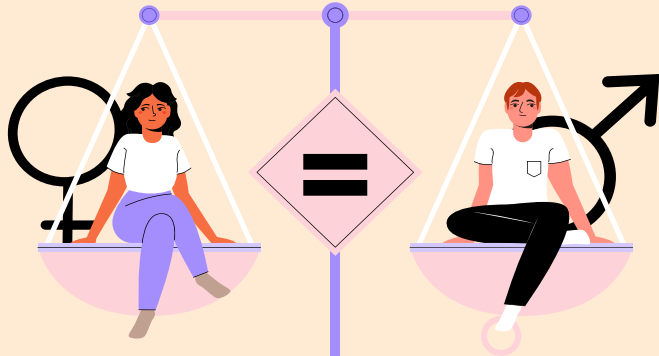


Bathroom Equity



Cathleen Smalley (She/Her), Stokelie Bateman (She/Her),
Elizabeth Lara (She/Her)

Motivation

During my first semester...

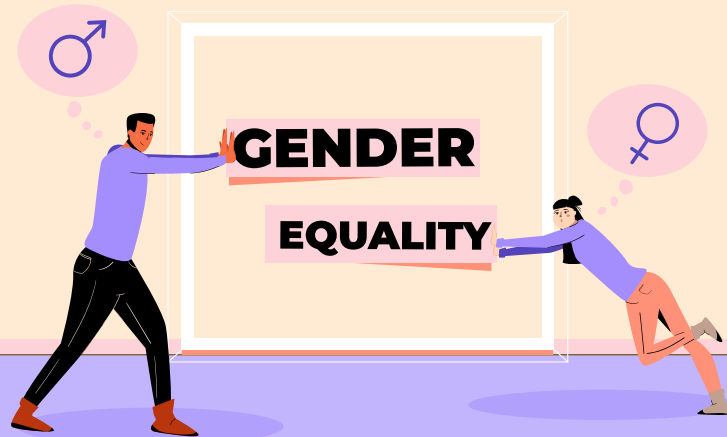
...I spent 20 minutes
outside of class just
to go to the
restroom



Merrill Engineering Building (MEB)

Hypothesis

Non-male students face inequity amongst the available campus restrooms.



Process

Things we were looking for:

Square Footage

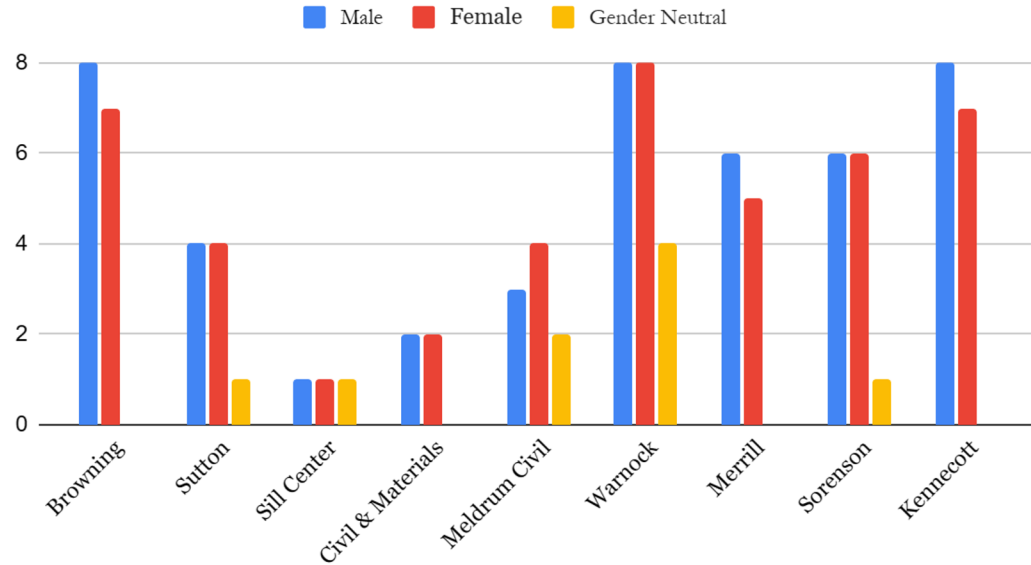
Stall Count

Walking Time

These metrics will help determine if the physical differences between restrooms alter the time students can spend in class

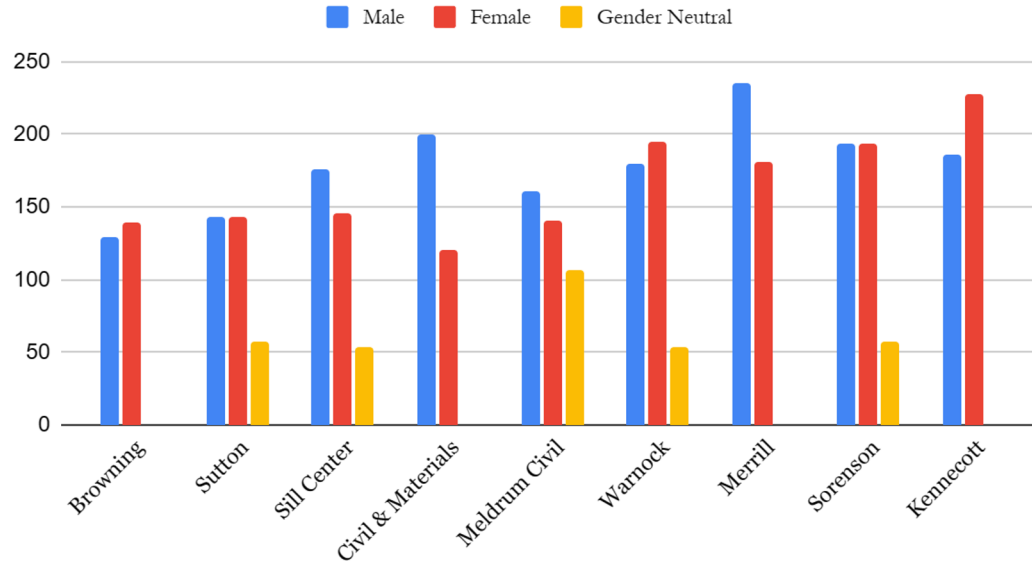
Engineering Buildings

Number of Bathrooms in Engineering Buildings



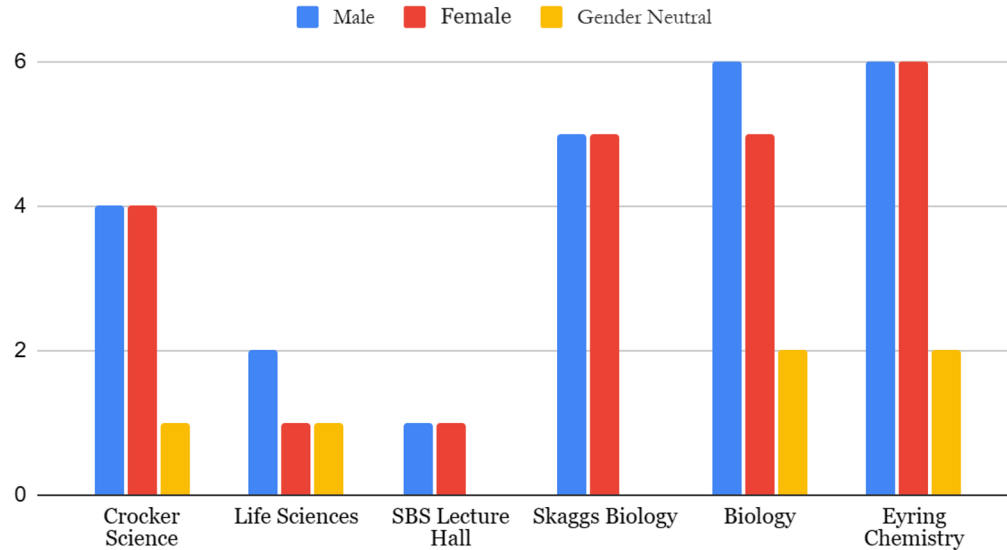
Engineering Buildings

Average Sq Ft for Bathrooms in Engineering Buildings



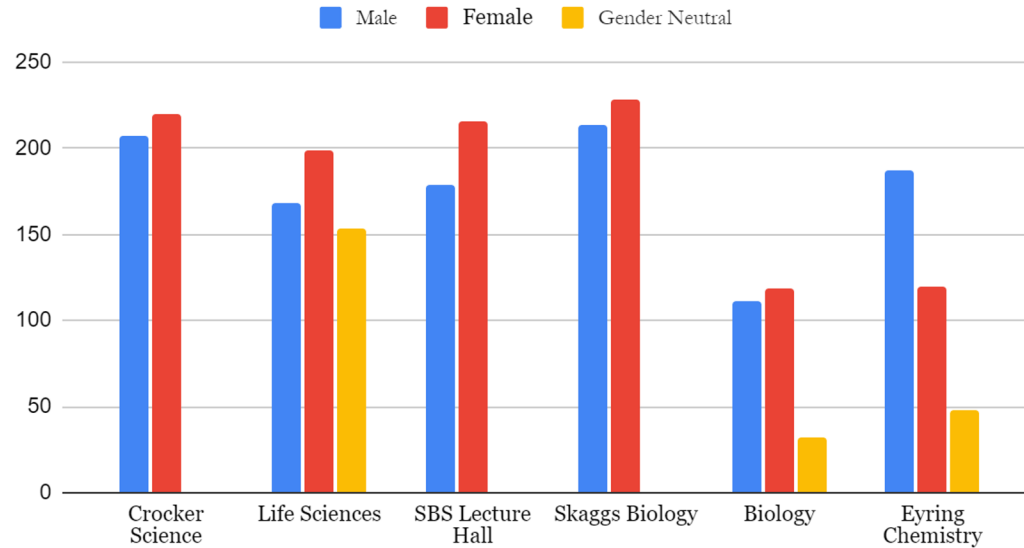
Science Buildings

Number of Bathrooms in Science Buildings



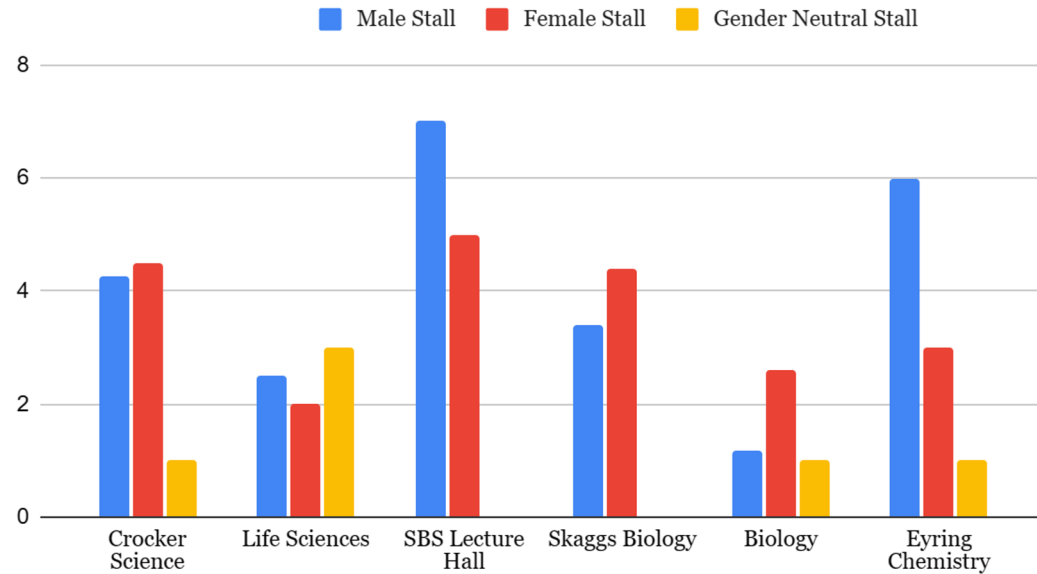
Science Buildings

Average Sq Ft in Science Buildings



Science Buildings

Stall Count in Science Buildings



Outcomes

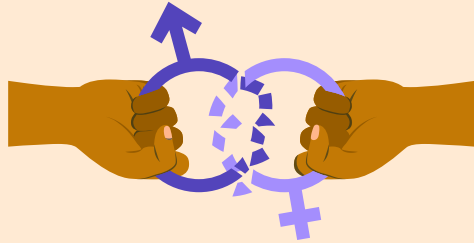
Building	Average Male Square Footage	Average Male Stall Number (Urinal Number)	Average Female Square Footage	Average Female Stall Number	Average Gender Neutral Square Footage	Average Gender Neutral Stall Number
MEB	235.83 sq. ft	n/a	181.00 sq. ft	n/a	0 sq. ft	0
Eyring	186.67 sq. ft	2.83 (3.17)	119.67 sq. ft	3	47.5 sq. ft	1

Walking Times

Crocker Science Center	Male	Female	Gender Neutral
Floor 0	35.84 s	31.97 s	29.35 s
Floor 1	26.20 s	28.00 s	n/a
Floor 2	31.27 s	31.91 s	n/a
Floor 3	19.00 s	21.00 s	n/a

Eyring Chemistry	Male	Female	Gender Neutral
Floor 1	21.20 s	20.53 s	n/a
Floor 2	23.23 s	19.06 s	n/a
Floor 3	20.55 s	25.14 s	n/a
Floor 4	n/a	n/a	13.95 s

Impact on Non-Male Students



- One of the biggest issues we face for non-men in STEM is **retention**.
- Eyring and Merrill Buildings hold a large amount of first year Science and Engineering classes.
- The lack of equity in these buildings can make STEM an unwelcoming environment for non-male students.

Gender Neutral Bathroom Data

Building	Average Square Footage	Average Stall Number
Crocker Science Center	n/a	1
Life Sciences	153	3
Nielsen Fieldhouse	63.67	1
Biology	32	1
Eyring Chemistry	47.5	1
Sutton	57	n/a
Sill Center	54	n/a
Meldrum Civil Engineering	106.5	n/a
Warnock	53.25	n/a
Sorenson	58	n/a

A Potential Solution

Incorporate more signs showing where the restrooms are located





BLDG NO.

BLDG TITLE:

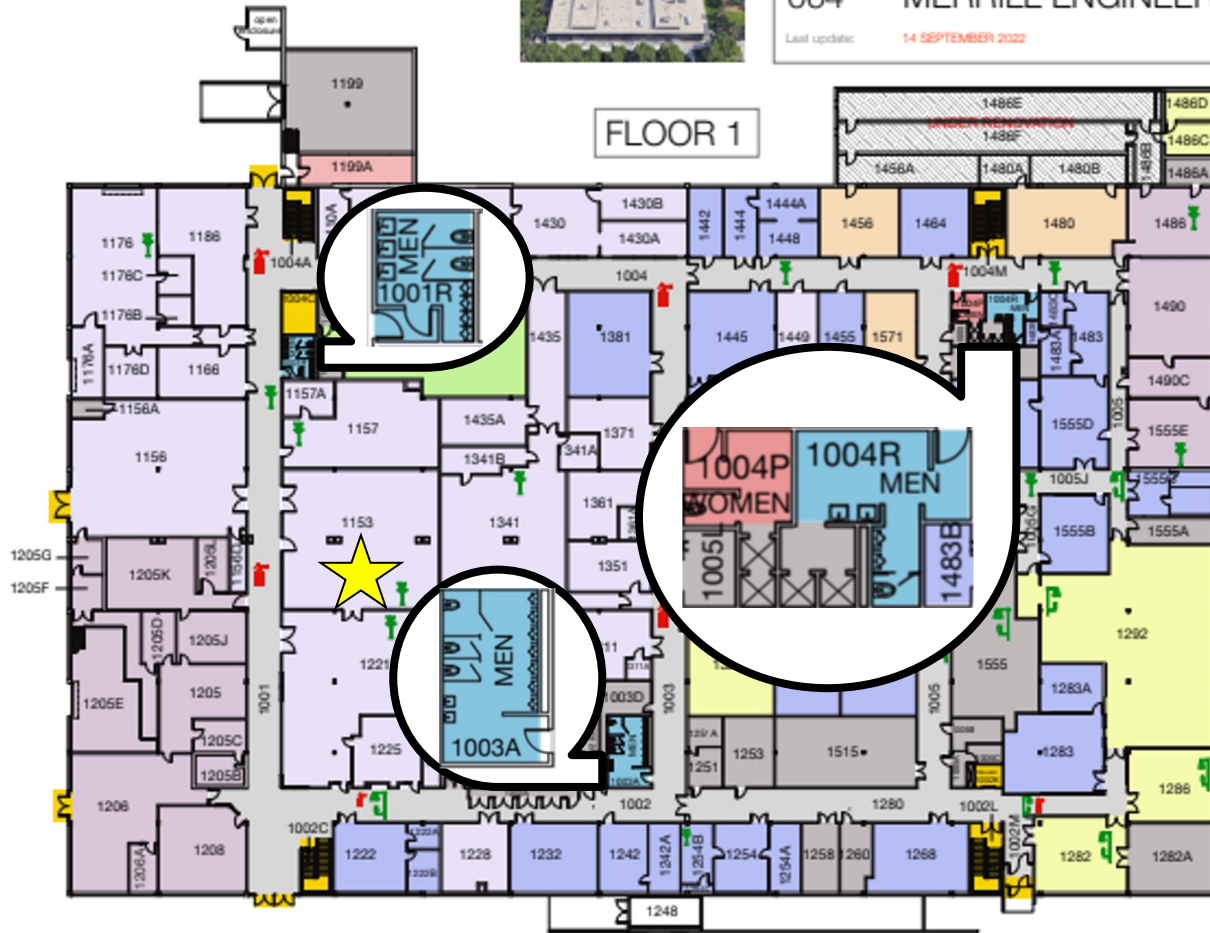
064

MERRILL ENGINEERING BUILDING

Last update:

14 SEPTEMBER 2022

FLOOR 1



COLLEGE	SOC
BME	MSE
CHE	MS
CIVE	SOC
NUCL	SCI
Building support	

Men's Restroom	Women's Restroom
Elevators, Stairs, E. ex. Doors	

AUTOMATED EXTERNAL DEFIBRILLATOR
EMERGENCY EYE WASH AND SHOWER
EMERGENCY SHOWER
EMERGENCY EYE WASH
FIRE EXTINGUISHER
FIRE BLANKET

A Potential Solution

Make most existing bathrooms gender neutral.

Is this possible?



Social & Behavioral Sciences Data

	Male	Female	Gender Neutral
Number of Bathrooms	2	2	13
Avg Sq. Footage	187.5 sq. ft	174 sq. ft	64.15 sq. ft
Avg Stall Count	2 (3 urinals)	4.5	1.38 (0.46 urinals)
Avg Walking Times	7.70 s	9.94 s	14.37 s



A Potential Solution

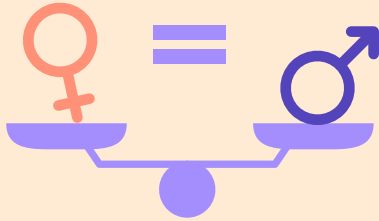
Make most existing bathrooms gender neutral.

This is currently being implemented in the Chemistry Department



A Potential Solution

Move first year engineering student classes to a buildings where non-males feel welcome.



Report

We created a report that goes into more detail about our bathroom equity research done on STEM Buildings at the U available as a PDF if you are interested.

Investigating Bathroom Equity in STEM at the U

Symposium Report

Stokelie Bateman, Elizabeth Lara, Cathleen Smalley

SCI 3900/HONOR 3990 - Spring 2023

Acknowledgements

We would like to thank the professors of Being Human in STEM for their support; Claudia De Grandi, Rodrigo Noriega, Caroline Saouma, and Seetha Veeraghanta.

We also thank Matt Yurick (Space Planning & Management), Thanasay Vilaipan (Facilities Support), and Andrew Elkins (College of Engineering) for providing us with our data for this project.

What can you do?

- Add more signs to bathrooms
- Professors point out the nearest bathroom on the first day of classes
- Make existing restrooms gender neutral
- Move first year classes to buildings with better bathroom equity
- We acknowledge that ADA accessible restrooms are also very limited on campus, but due to time restraints, we were unable to address this issue

**Using the Bathroom Is
Your Right, Not a
Privilege!**

