



# WORK SESSION NO. 2

January 14, 2021

# Agenda

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- **What We Heard**
  - **Project Vision**
  - **Program Updates**
  - **Adjacencies**
- **Guiding Principles & Planning Opportunities**
  - **The Link & Classrooms**
  - **Departmental Office Suites**
  - **Site Opportunities**
- **Next Steps**

## Goals for Today:

- **Review program updates**
- **Consensus on planning concepts**
- **Discussion of site strategy**



A group of four students (three women and one man) are taking a selfie in front of a large brick building. The woman on the far left is holding a smartphone up to take the picture. They are all smiling and looking towards the camera. The background shows a multi-story brick building with many windows and a grassy area in the foreground.

# WHAT WE HEARD

- PROJECT VISION
- PROGRAM UPDATES
- ADJACENCIES

# PROJECT VISION



## STUDENT CENTERED

Encourage faculty-student interaction  
Meet students on neutral ground  
Connect students to research



## COLLABORATIVE

Unite departments  
Facilitate variety of interactions  
Complement the research in Phase 1



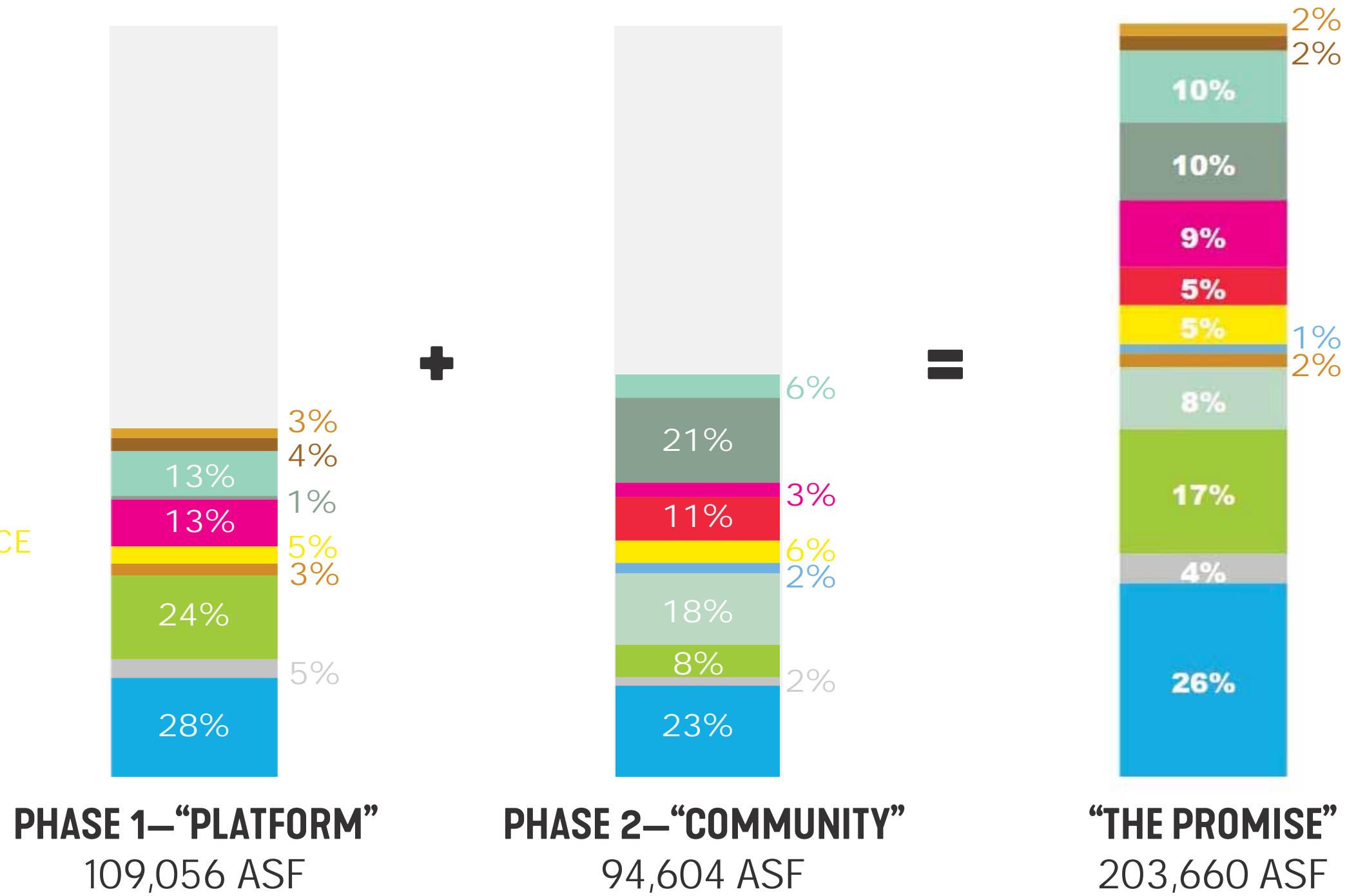
## FACE FORWARD

De-mystify the sciences  
Celebrate the work  
Recruit and retain talent

# PRAIRIE SPRING SCIENCE CENTER IN PHASES - UNITS

2017

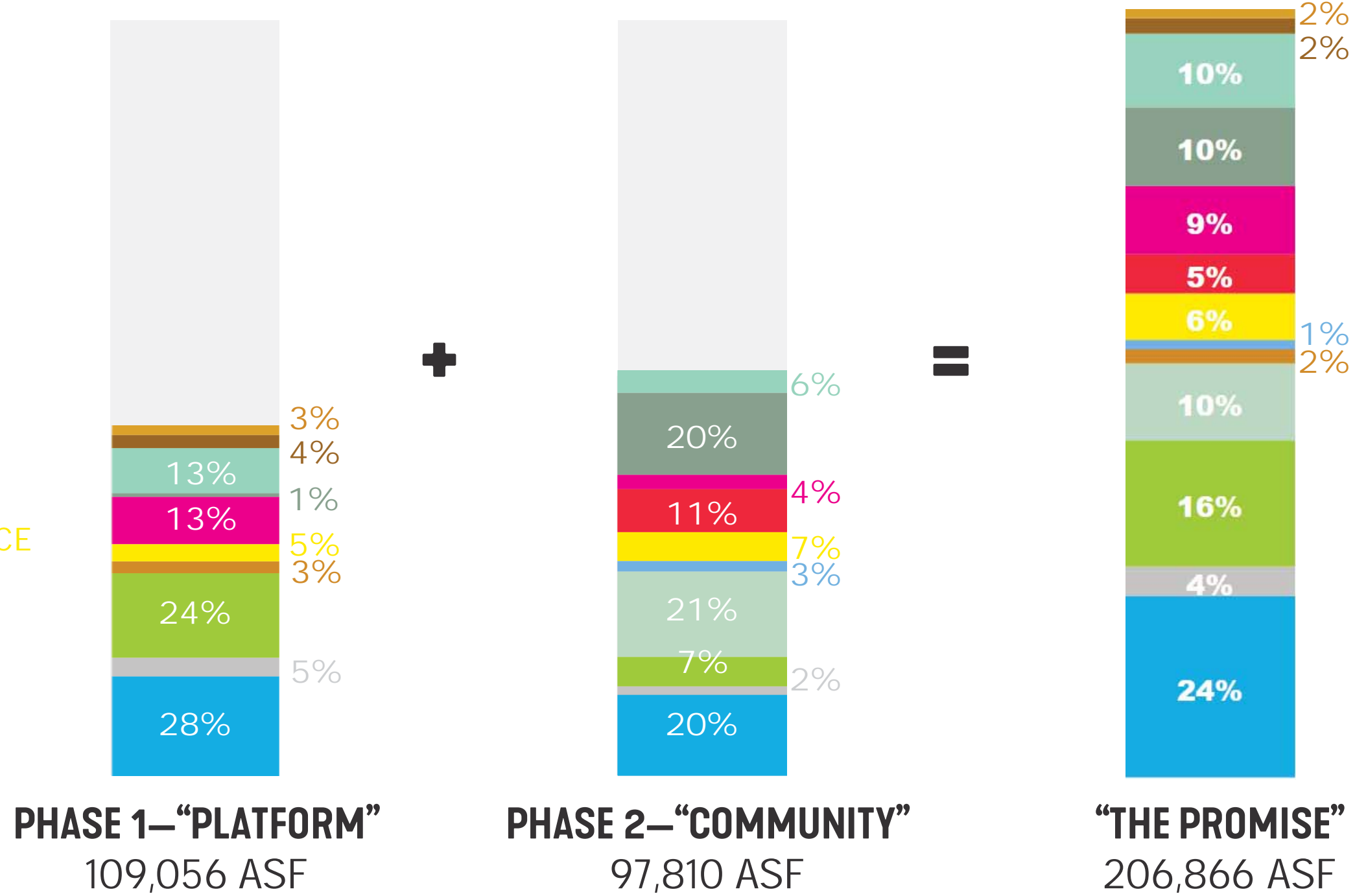
- RIVER STUDIES CENTER
- RADIATION CENTER
- PHYSICS
- MISC. INSTR. / SUPPORT
- MICROBIOLOGY
- MATHEMATICS
- GEOGRAPHY & EARTH SCIENCE
- DEAN'S OFFICE
- CORE LABS
- CLASSROOMS
- CHEMISTRY
- BUILDING SUPPORT
- BIOLOGY



# PRAIRIE SPRING SCIENCE CENTER IN PHASES - UNITS

2021 UPDATE

- RIVER STUDIES CENTER
- RADIATION CENTER
- PHYSICS
- MISC. INSTR. / SUPPORT
- MICROBIOLOGY
- MATHEMATICS
- GEOGRAPHY & EARTH SCIENCE
- DEAN'S OFFICE
- CORE LABS
- CLASSROOMS
- CHEMISTRY
- BUILDING SUPPORT
- BIOLOGY

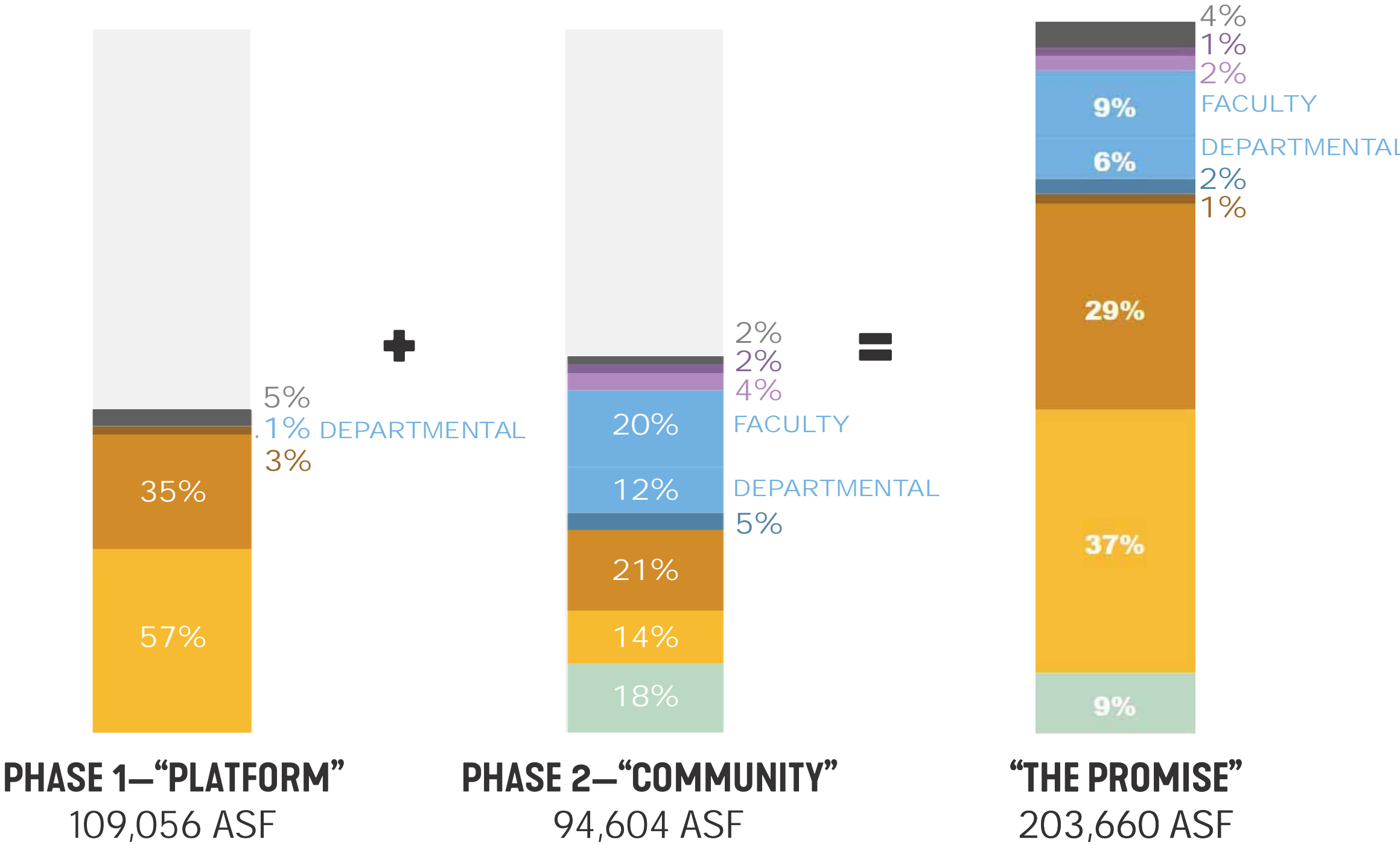




# PRAIRIE SPRING SCIENCE CENTER IN PHASES – SPACE TYPES

2017

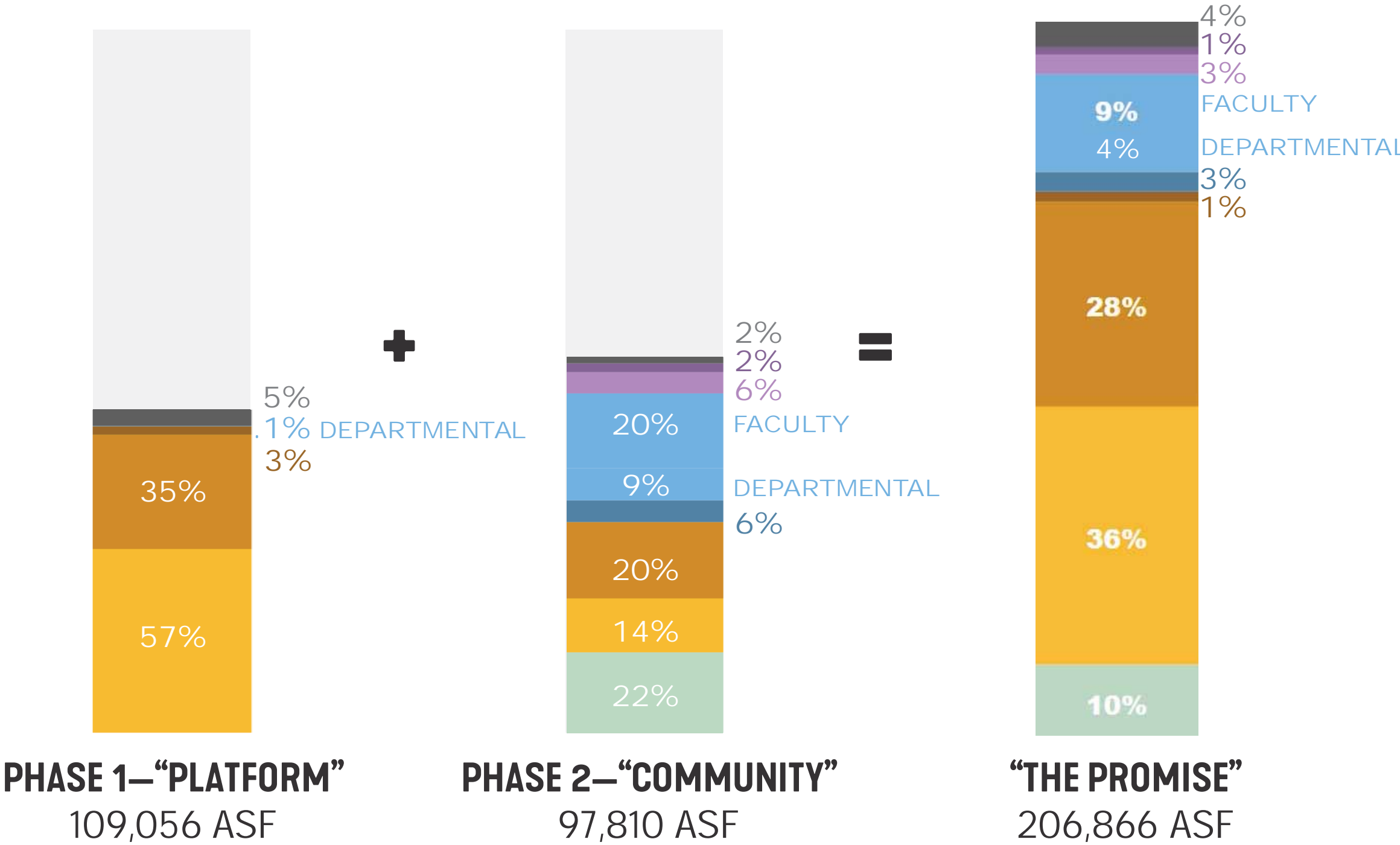
BUILDING SUPPORT  
 SHARED – COLLABORATION  
 STUDENT – COLLABORATION  
 OFFICE – FACULTY  
 OFFICE – DEPARTMENTAL  
 OFFICE – COLLABORATION  
 CORE LAB  
 RESEARCH LABS  
 CLASS LABS  
 CLASSROOMS



# PRAIRIE SPRING SCIENCE CENTER IN PHASES – SPACE TYPES

2021 UPDATE

- BUILDING SUPPORT SHARED – COLLABORATION
- STUDENT – COLLABORATION OFFICE – FACULTY
- OFFICE – DEPARTMENTAL
- OFFICE – COLLABORATION
- CORE LAB
- RESEARCH LABS
- CLASS LABS
- CLASSROOMS

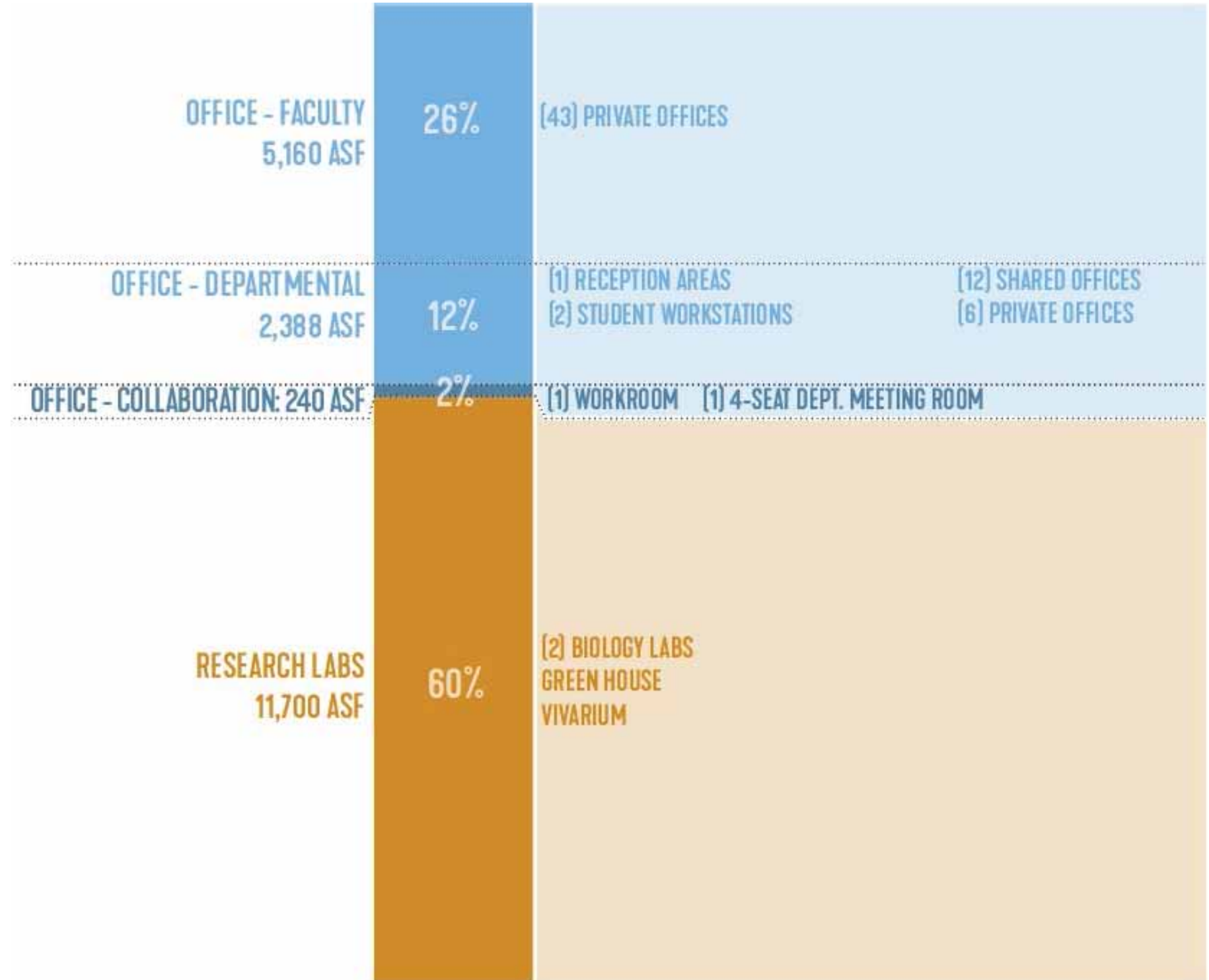
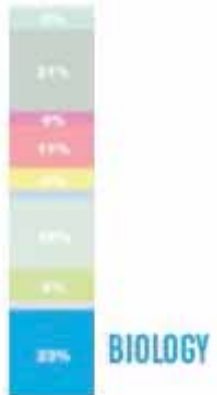




# PROGRAM OVERVIEW

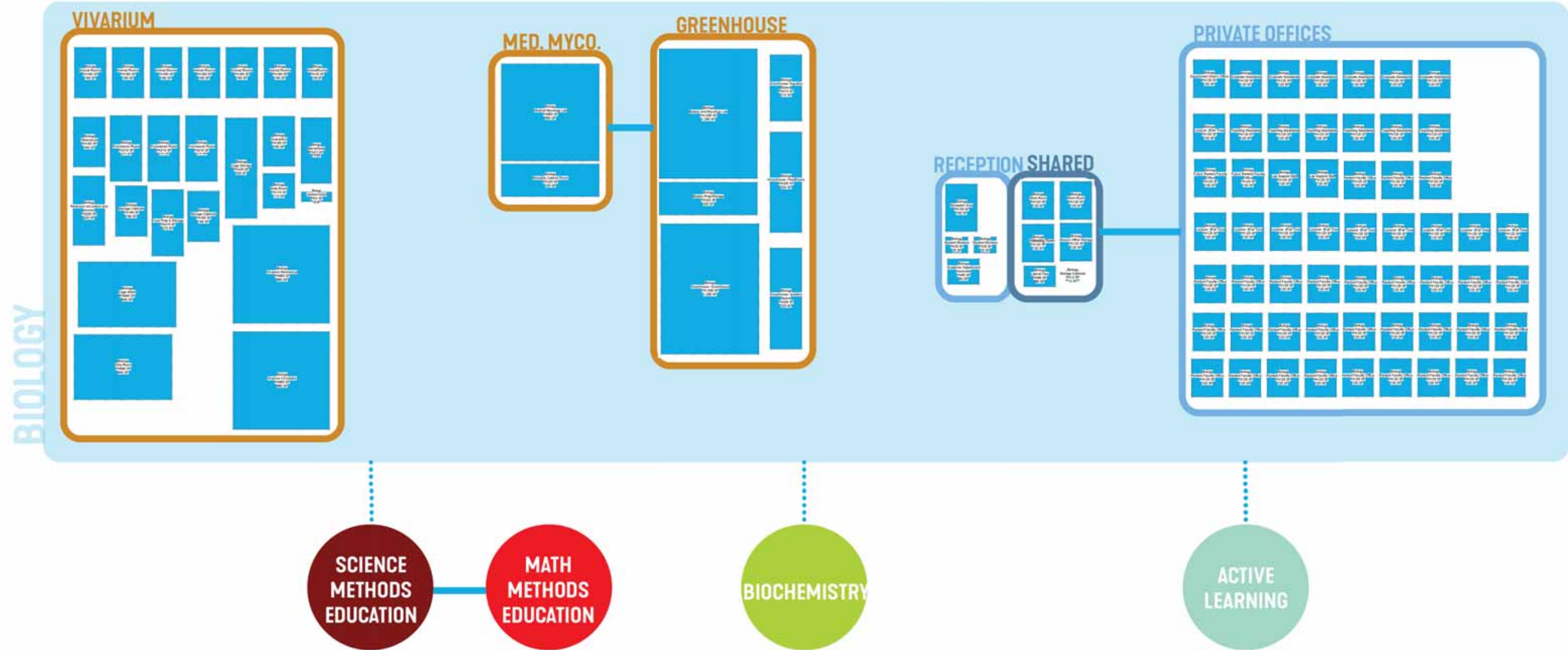
## BIOLOGY

- **Reduced Vivarium**
- **Added Departmental Meeting Room**
- **Resizing to match module**
- **Student Workstations Enlarged**
- **Delta = -1,968 ASF**



# ADJACENCIES

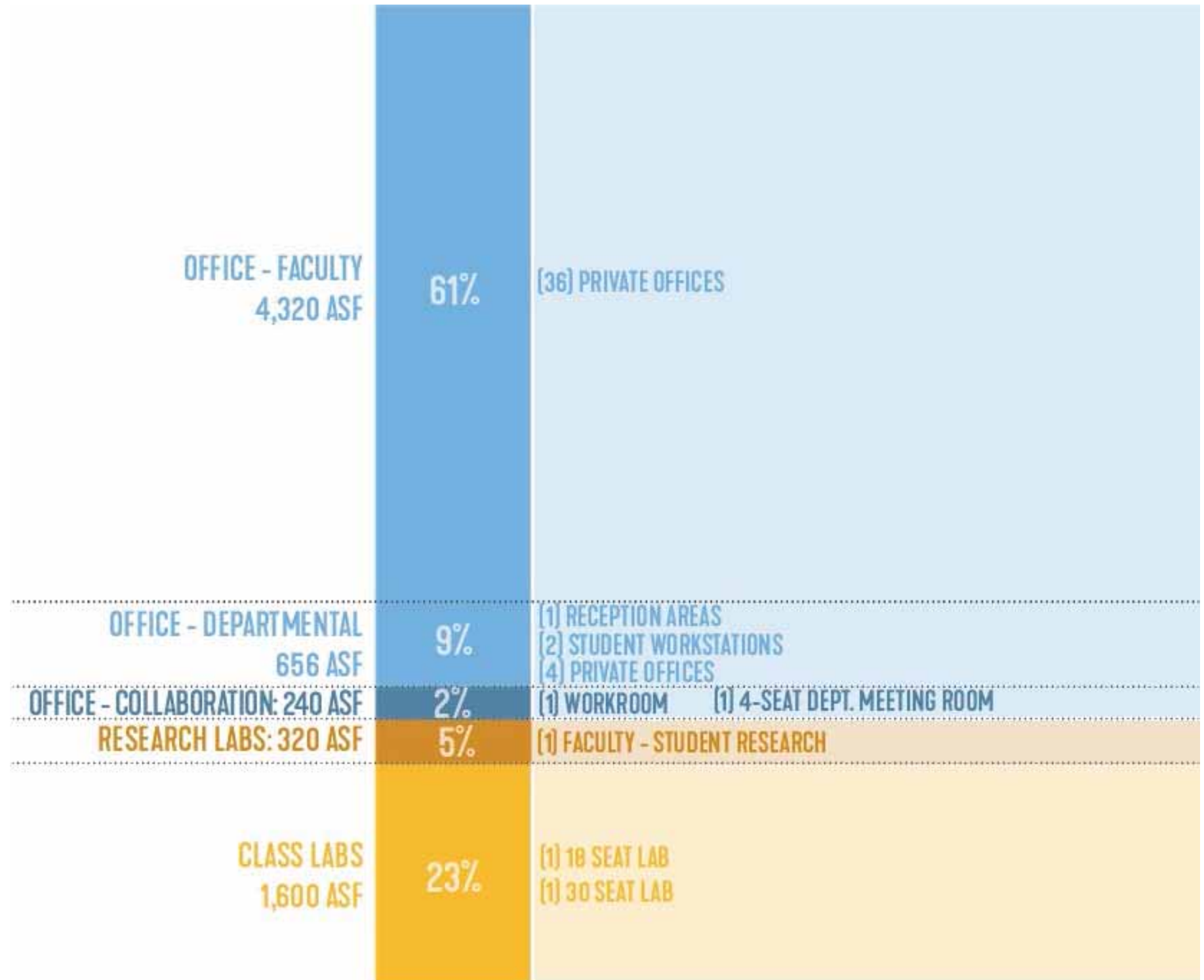
## BIOLOGY



# PROGRAM OVERVIEW

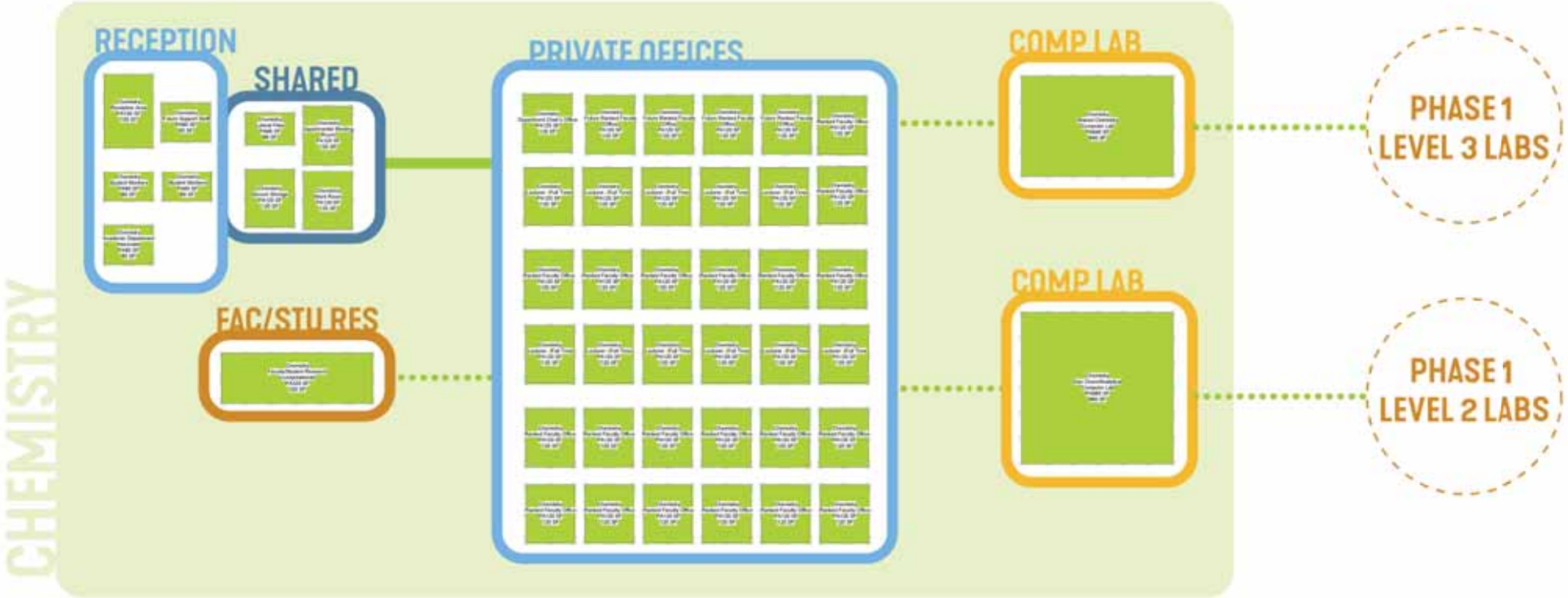
## CHEMISTRY

- Removed 2 excess student workstations
- Added Departmental Meeting Room
- Resizing to match module
- Student Workstations Enlarged
- Delta = -450 ASF



# ADJACENCIES

## CHEMISTRY

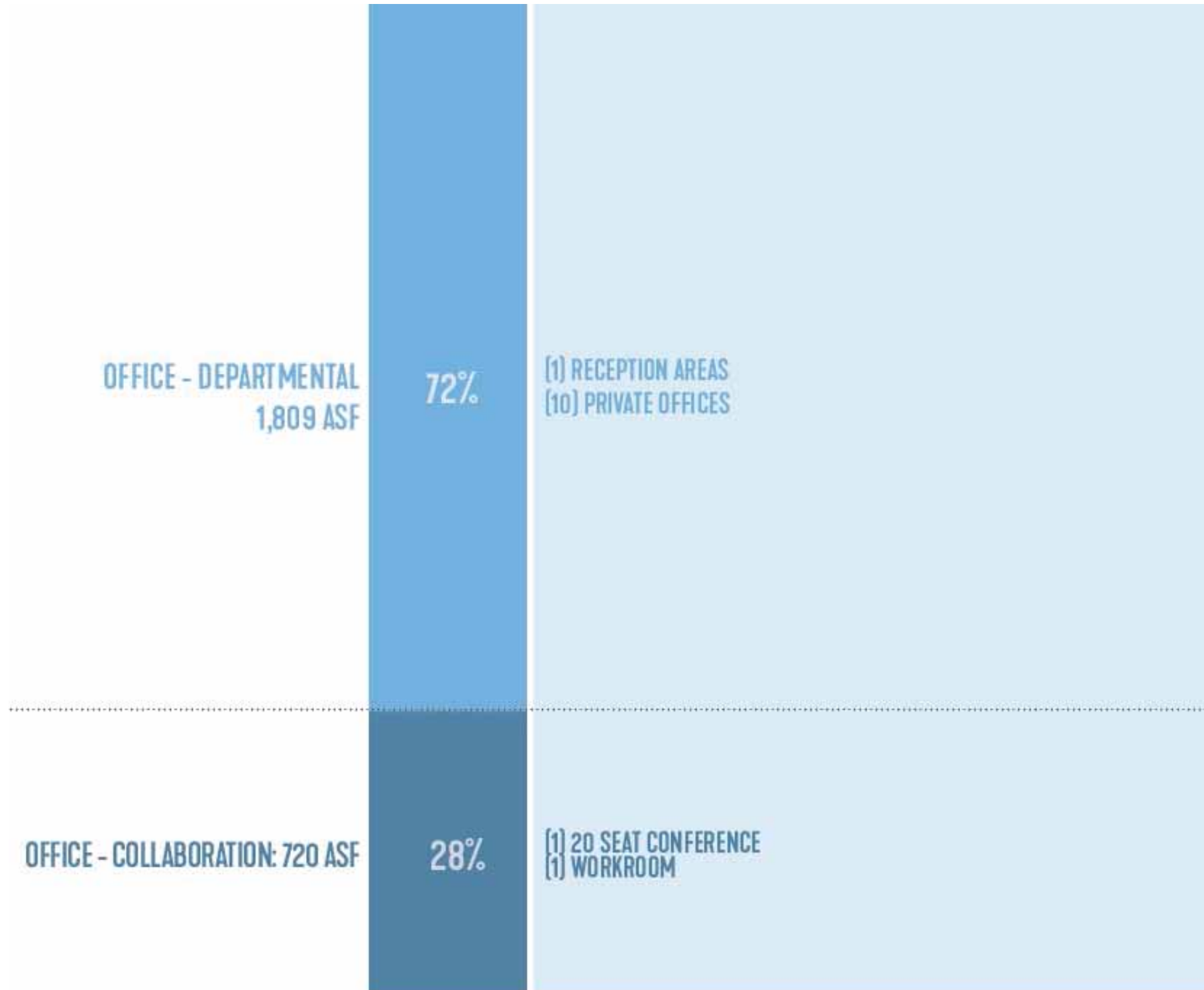




# PROGRAM OVERVIEW

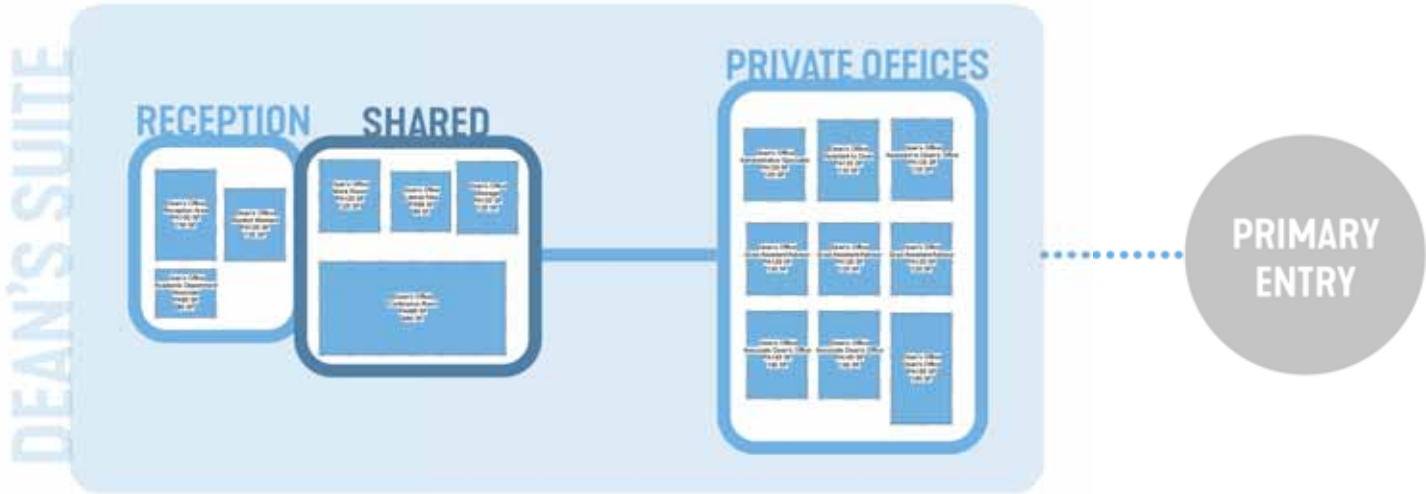
## DEAN'S OFFICE

- **Removed 2 excess offices**
- **Increased size of conference room**
- **Resizing to match module**
- **Student Workstations Enlarged**
- **Delta = +55 ASF**



# ADJACENCIES

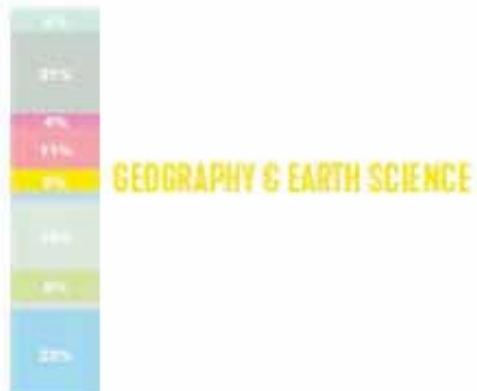
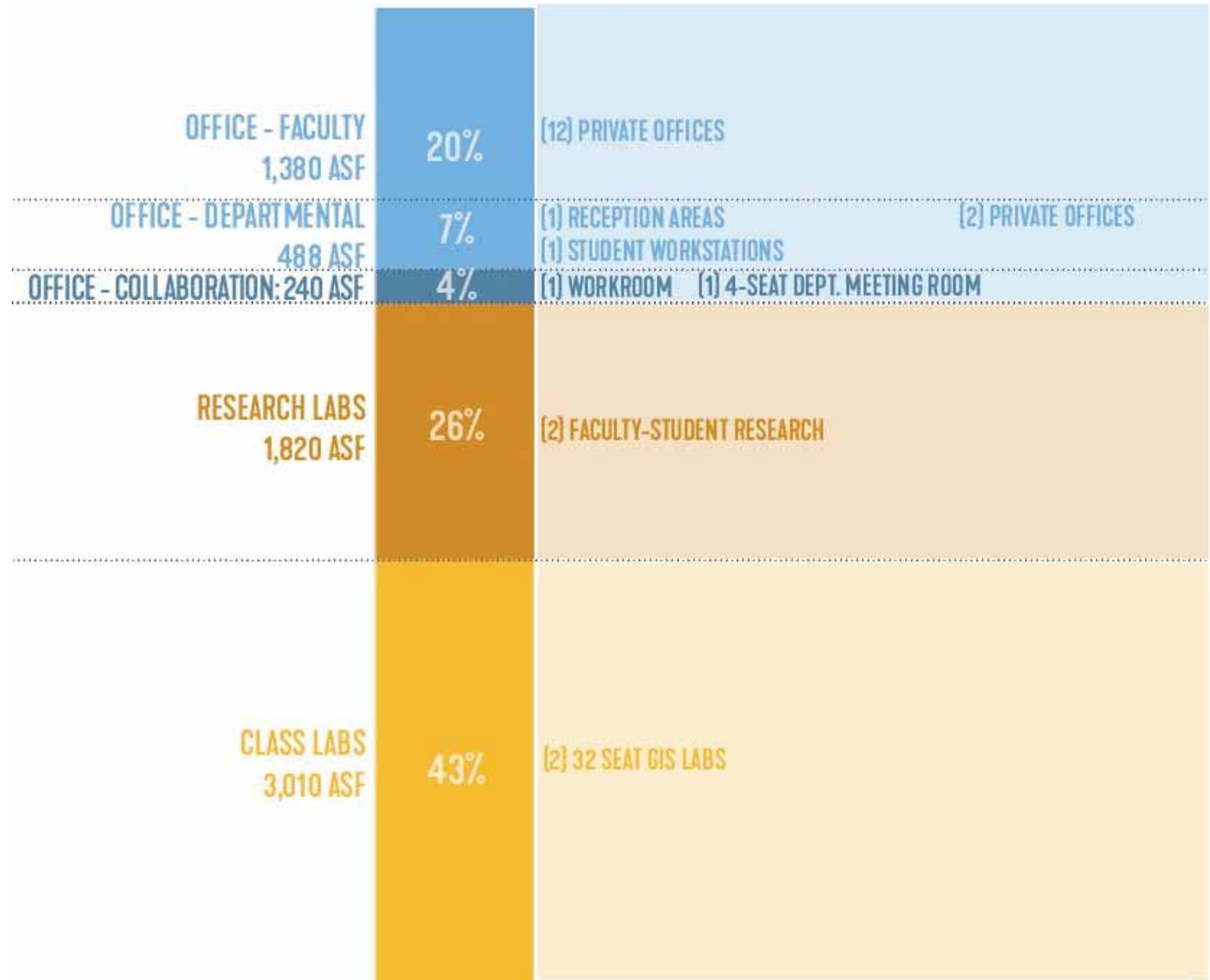
## DEAN'S SUITE



# PROGRAM OVERVIEW

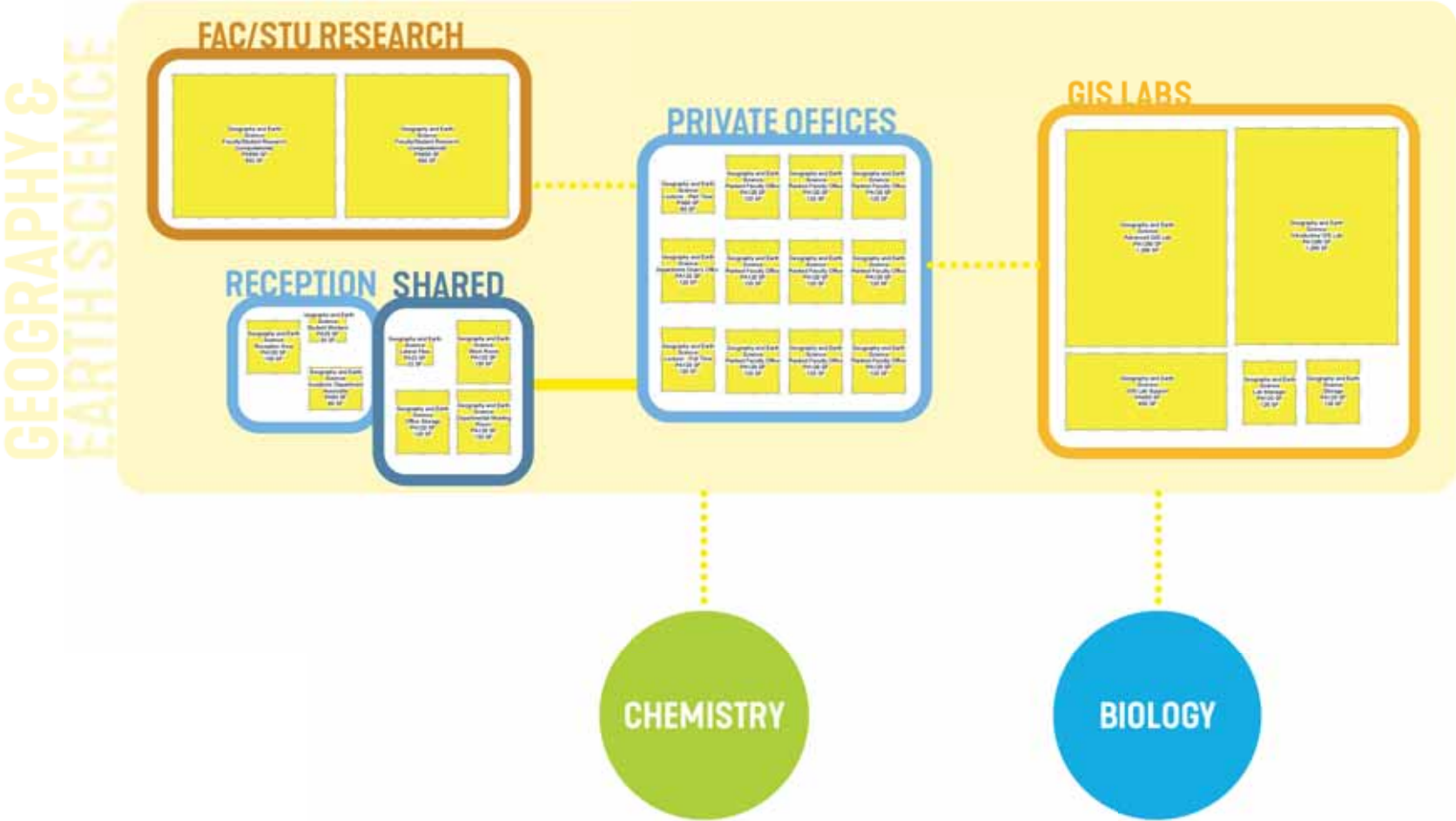
## GEOGRAPHY & EARTH SCIENCE

- Added Departmental Meeting Room
- Added (1) Faculty-Student Research
- Added GIS Lab Support Space
- Resizing to match module
- Student Workstations Enlarged
- Delta = +1,751 ASF



# ADJACENCIES

## GEOGRAPHY & EARTH SCIENCE

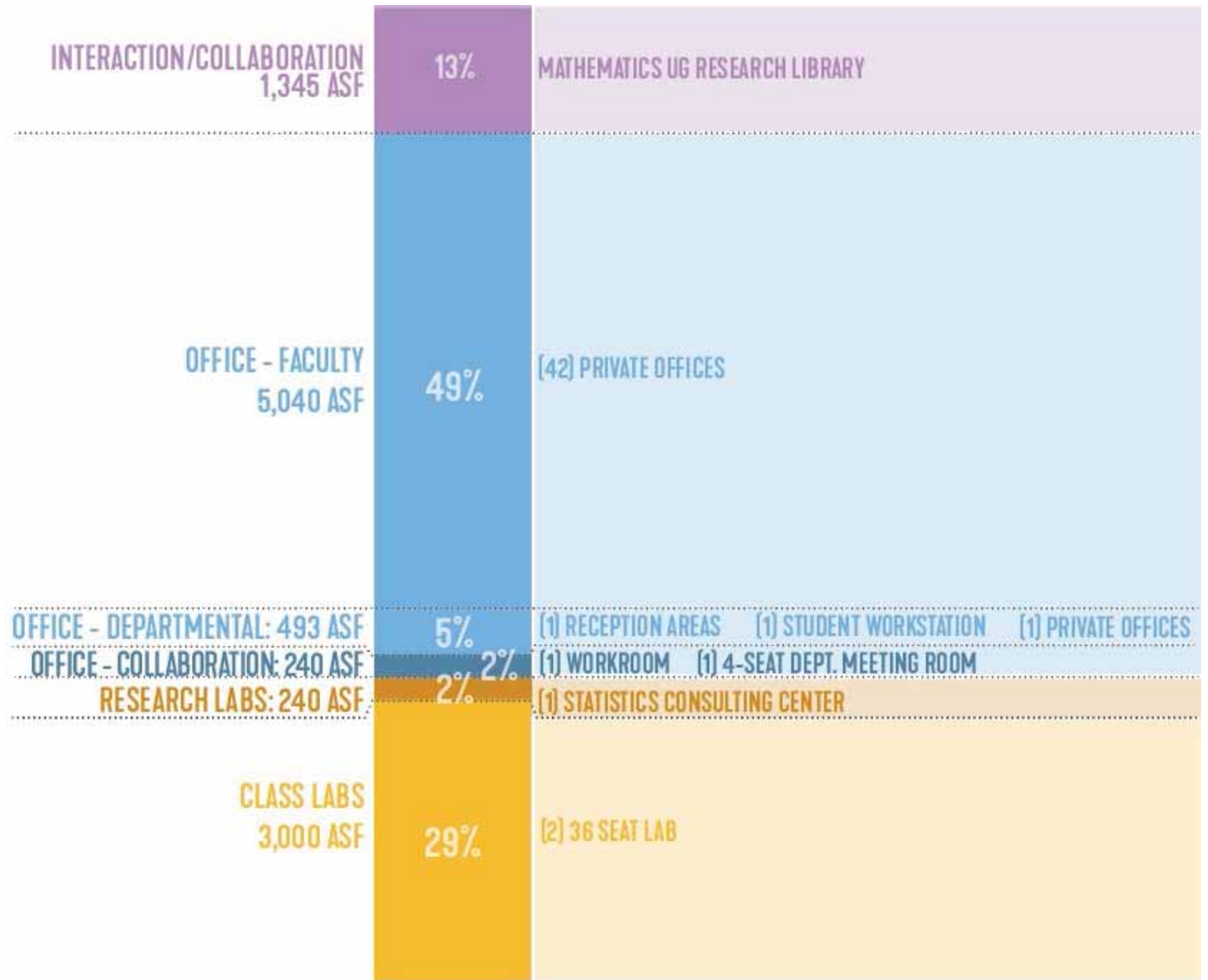




# PROGRAM OVERVIEW

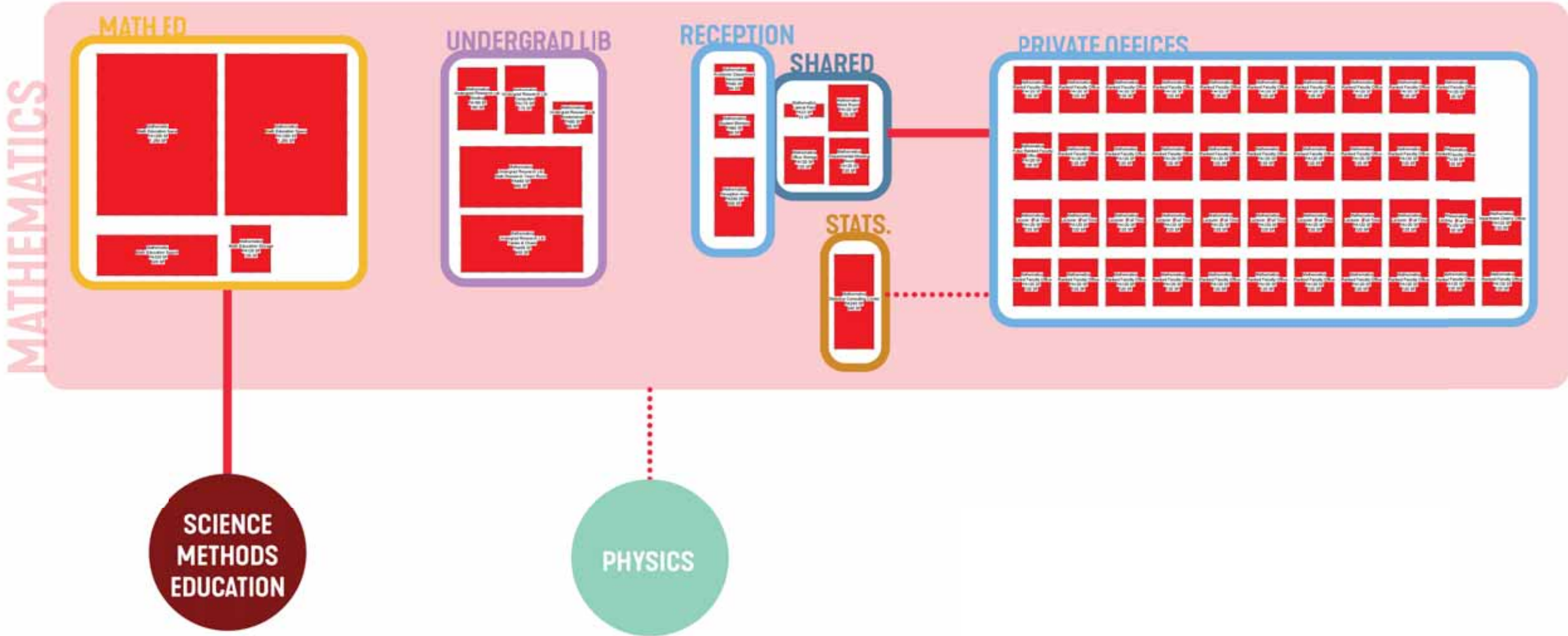
## MATHEMATICS

- Recategorized Team Room into Library
- Removed (1) Private Office
- Added Departmental Meeting Room
- Resizing to match module
- Student Workstations Enlarged
- Delta = +105 ASF



# ADJACENCIES

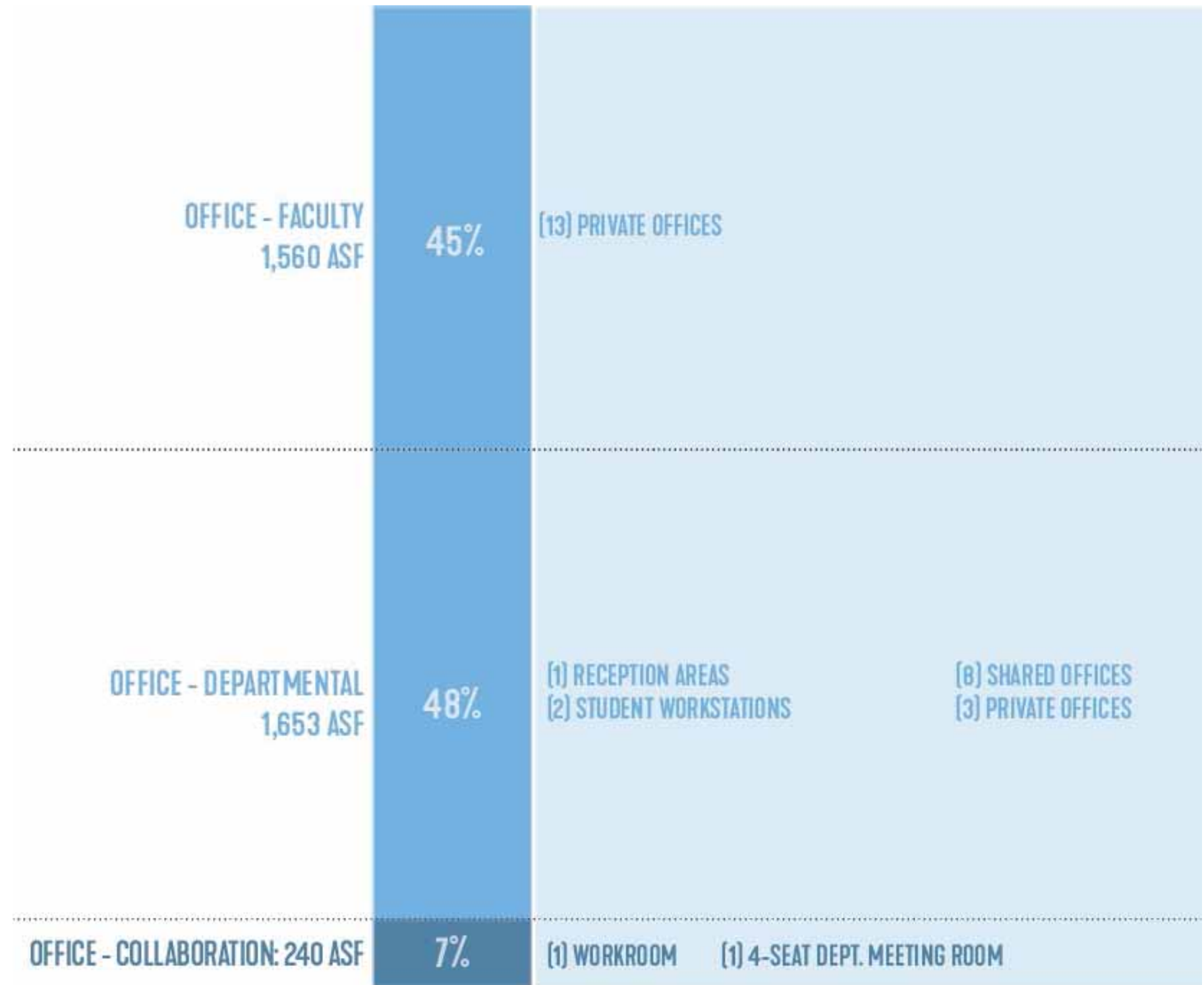
## MATHEMATICS



# PROGRAM OVERVIEW

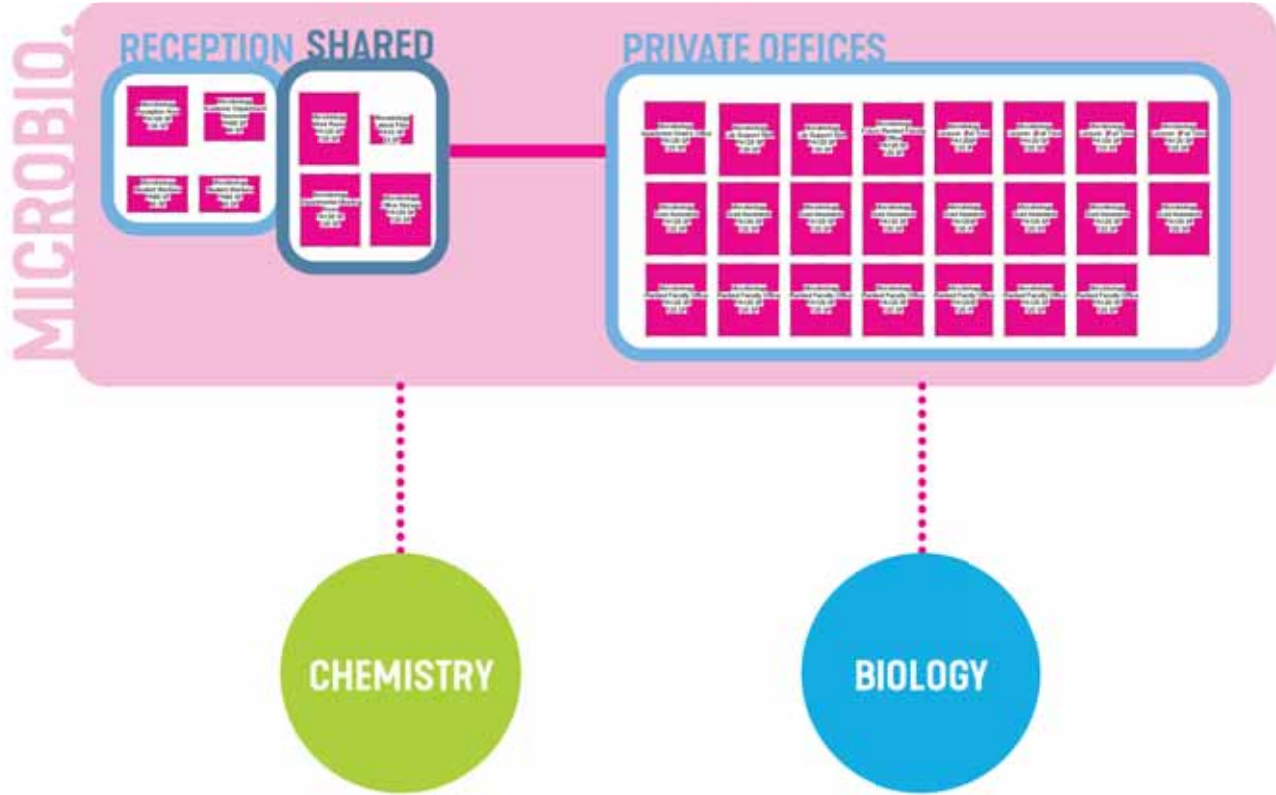
## MICROBIOLOGY

- **Removed (3) Private Offices**
- **Added Departmental Meeting Room**
- **Student Workstations Enlarged**
- **Resizing to match module**
- **Delta = +50 ASF**



# ADJACENCIES

## MICROBIOLOGY

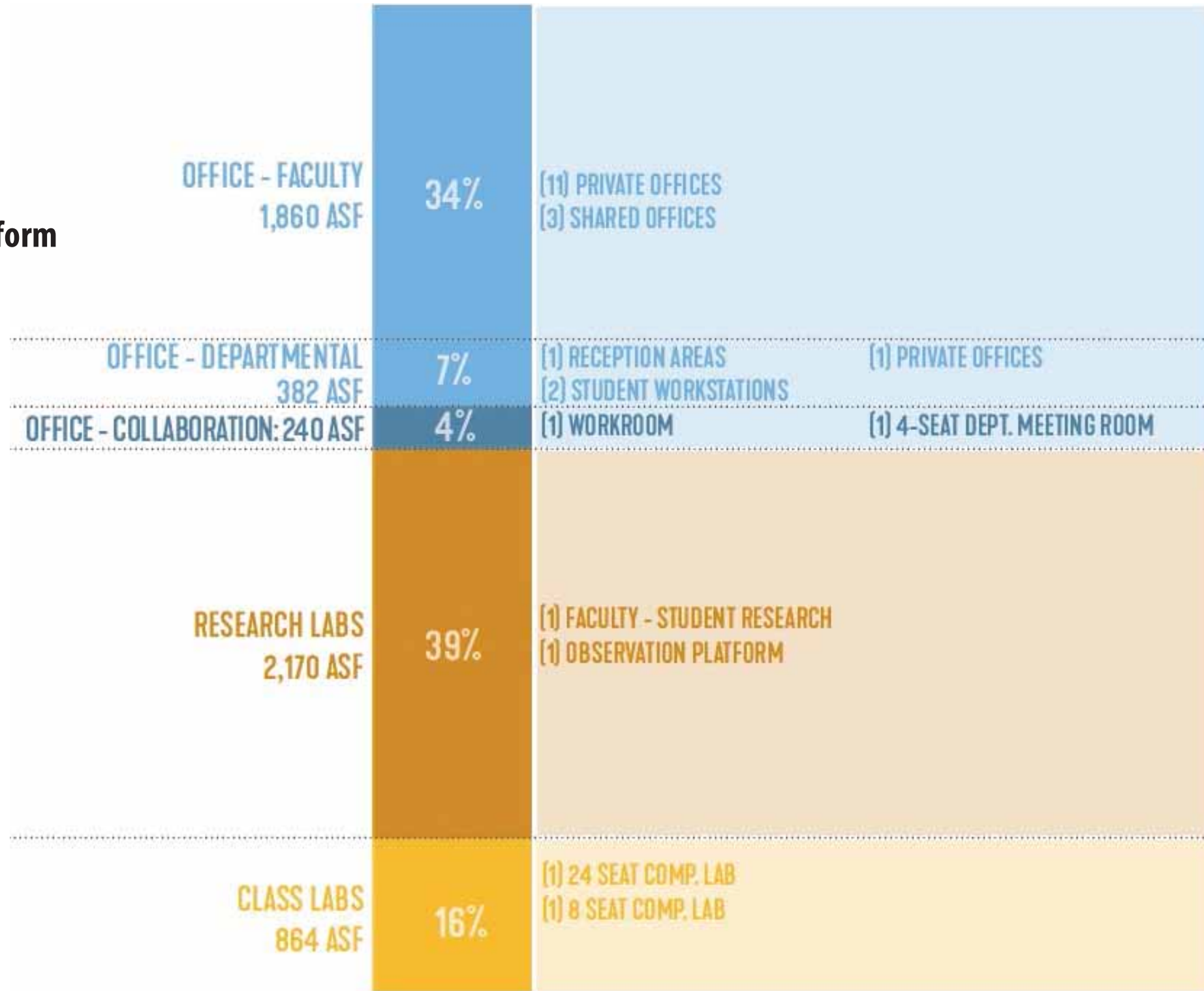




# PROGRAM OVERVIEW

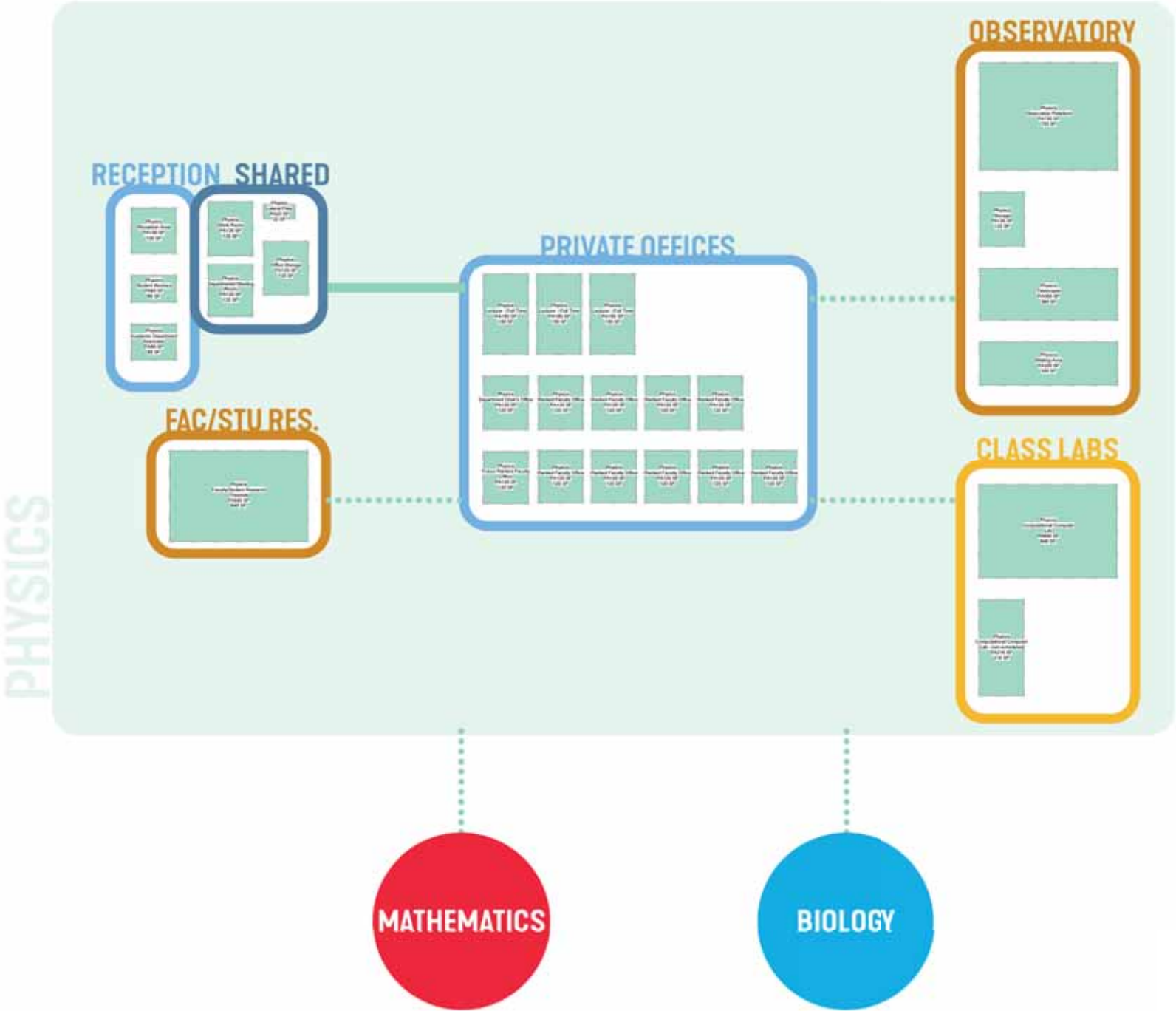
## PHYSICS

- **Removed (3) Private Offices**
- **Recategorized Waiting Room with Observation Platform**
- **Added Departmental Meeting Room**
- **Added non-scheduled 8 seat computer lab**
- **Resizing to match module**
- **Student Workstations Enlarged**
- **Delta = +6 ASF**



# ADJACENCIES

## PHYSICS



# PROGRAM OVERVIEW

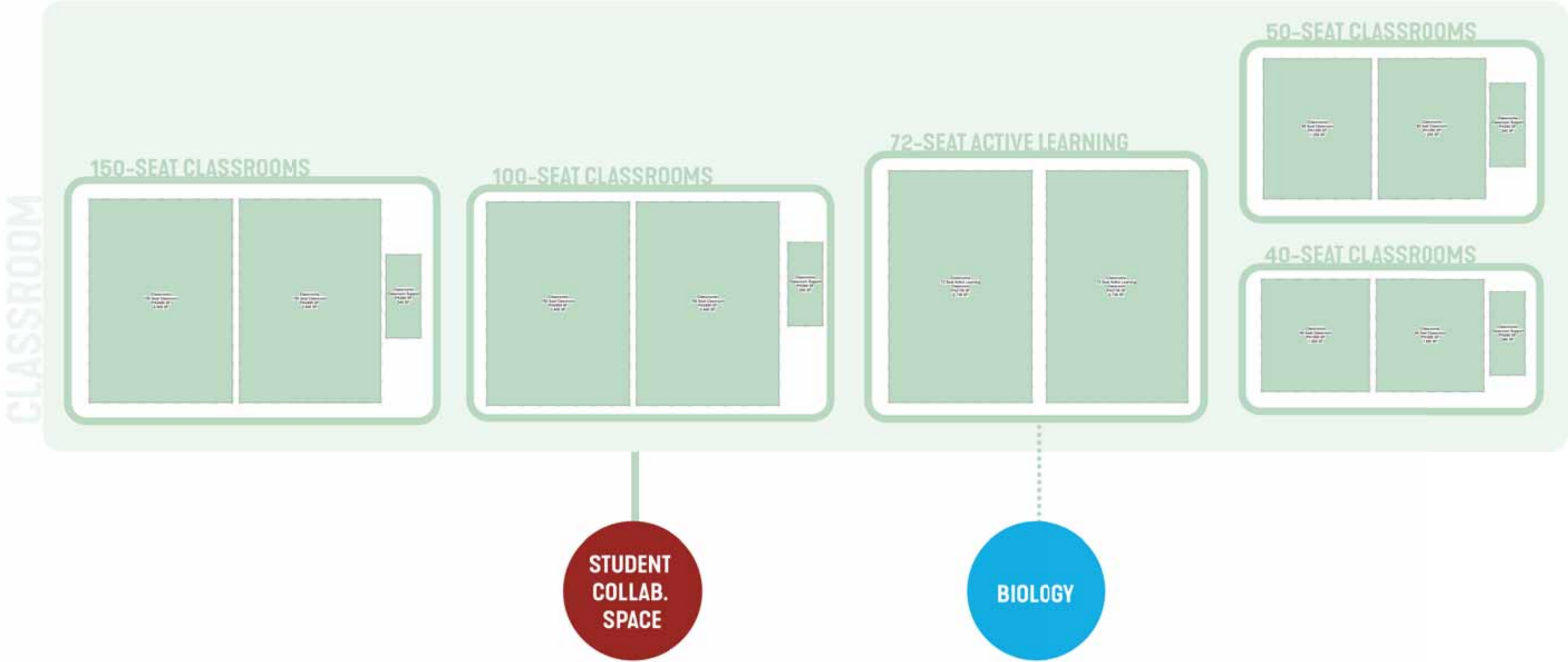
## CLASSROOMS

- Added (1) 72-seat Active Learning
- Increased 80-seat classrooms to 100-seat
- Delta = +3,696 ASF



# ADJACENCIES

## CLASSROOMS

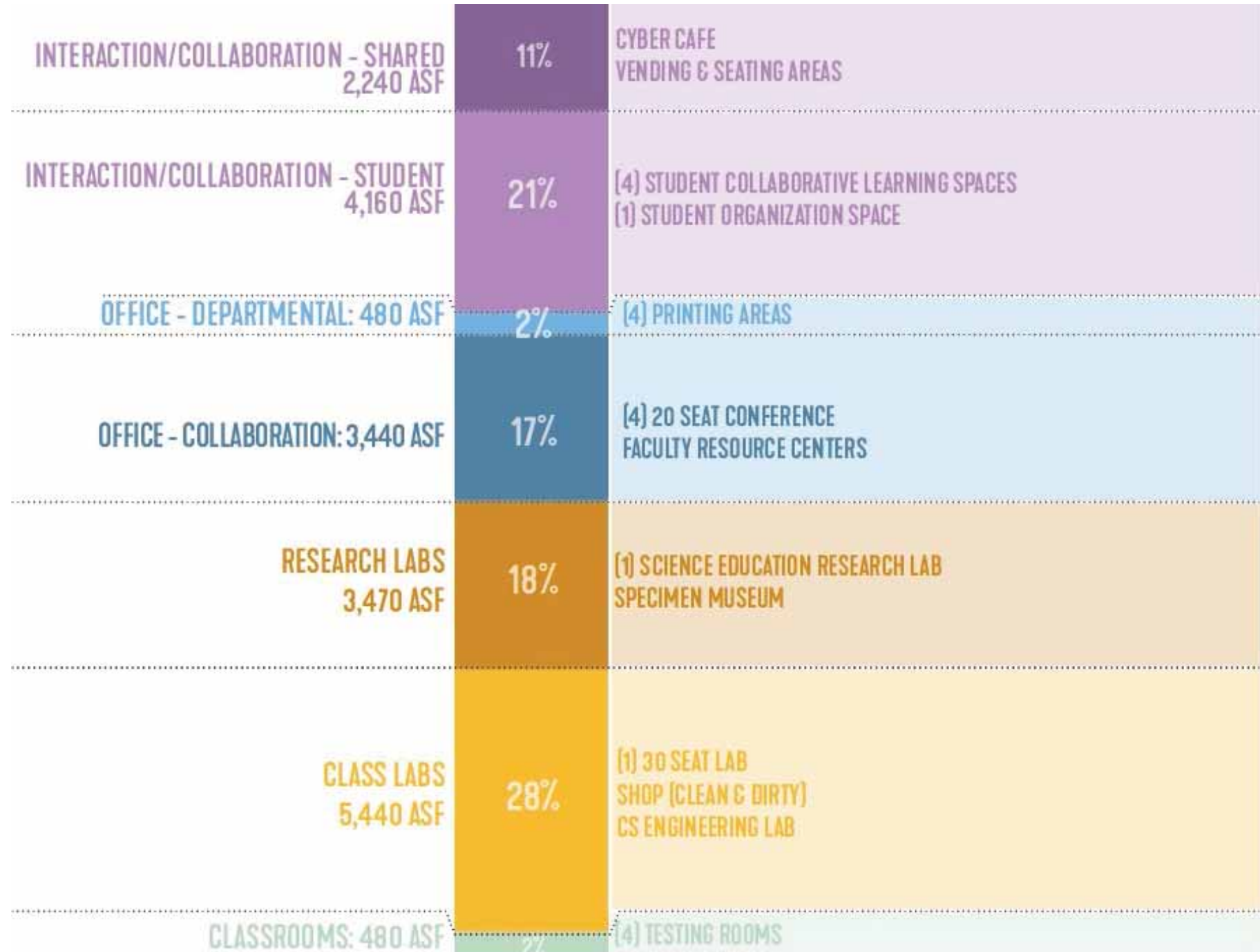




# PROGRAM OVERVIEW

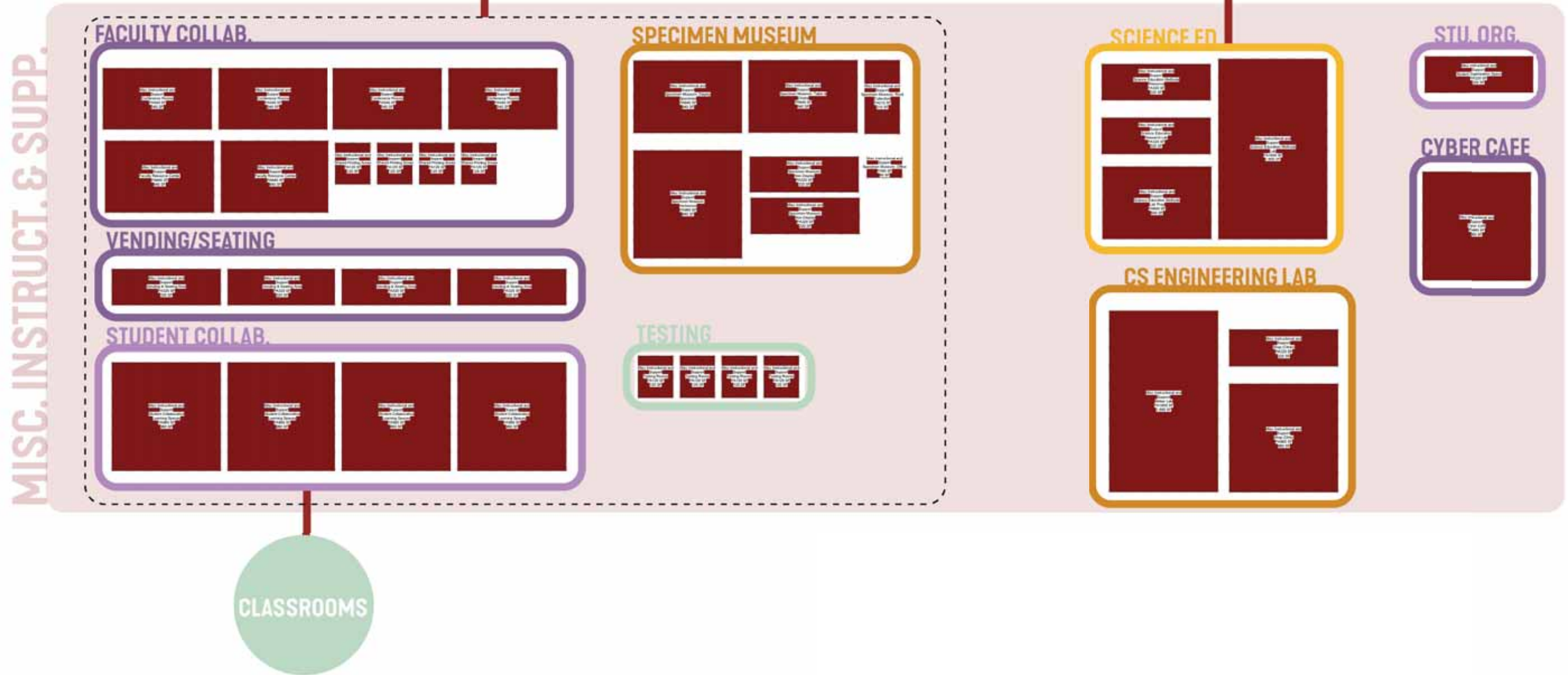
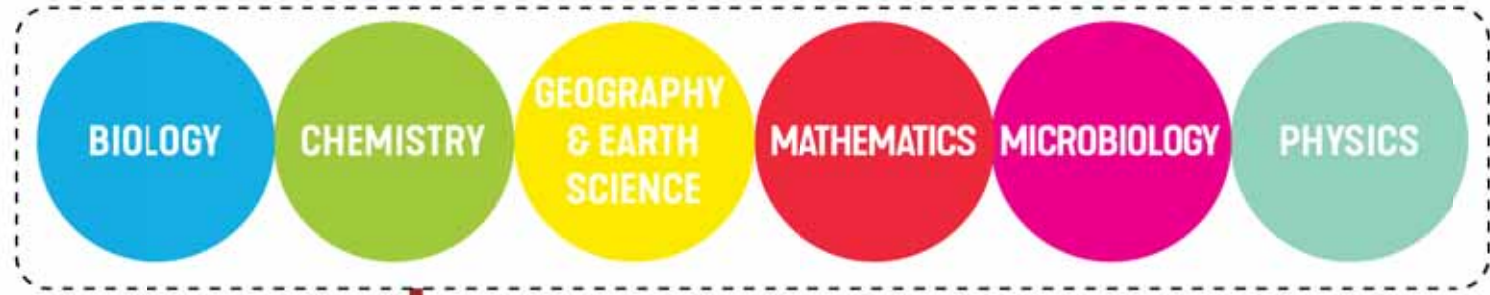
## MISC. INSTRUCTIONAL SUPPORT

- Recategorized Student Organization Space
- Recategorized Faculty Resource Centers
- Renamed Maker Space to CS Engineering Lab
- Resizing to match module
- Delta = -194 ASF



# ADJACENCIES

MISC. INSTRUCTIONAL & SUPPORT



# GUIDING PRINCIPLES & PLANNING OPPORTUNITIES

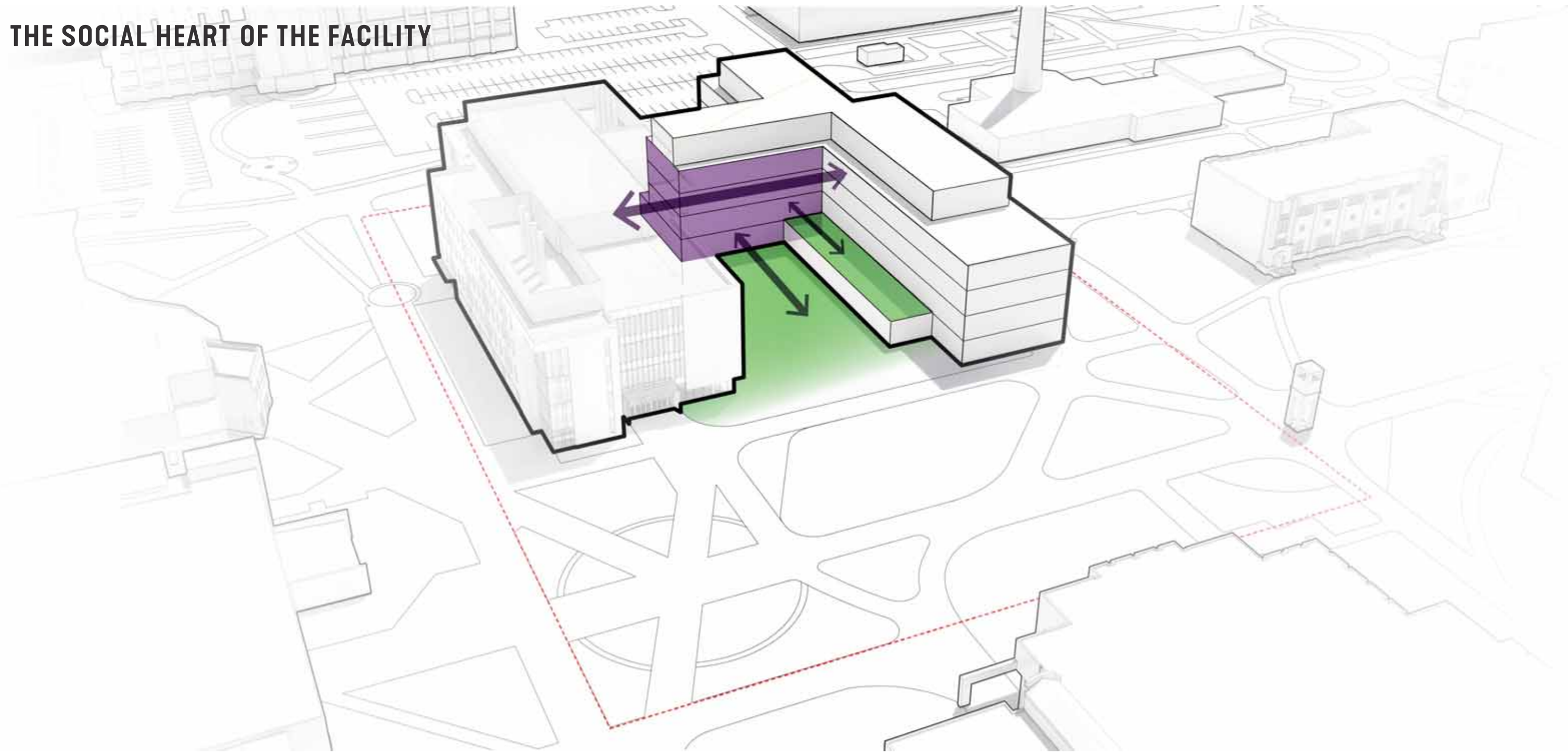
- THE LINK
- DEPARTMENTAL SPACE ORGANIZATION
- SITE OPPORTUNITIES





# THE LINK

THE SOCIAL HEART OF THE FACILITY





# THE LINK

## WHAT VALUE DOES THE LINK BETWEEN PHASE 1 AND 2 PROVIDE?

LINKS RESEARCH LABS WITH STUDENTS

DAYLIGHT AND REPRIEVE FROM ENCLOSED LAB

SCIENCE ON DISPLAY

INCLUSIVE DESIGN

INFORMAL, NEUTRAL, & VARIED GATHERING SPACE

THE HEART OF THE BUILDING = STUDENT-CENTRIC

ACTIVATED WITH CLASSROOMS AND COLLABORATIVE SPACE

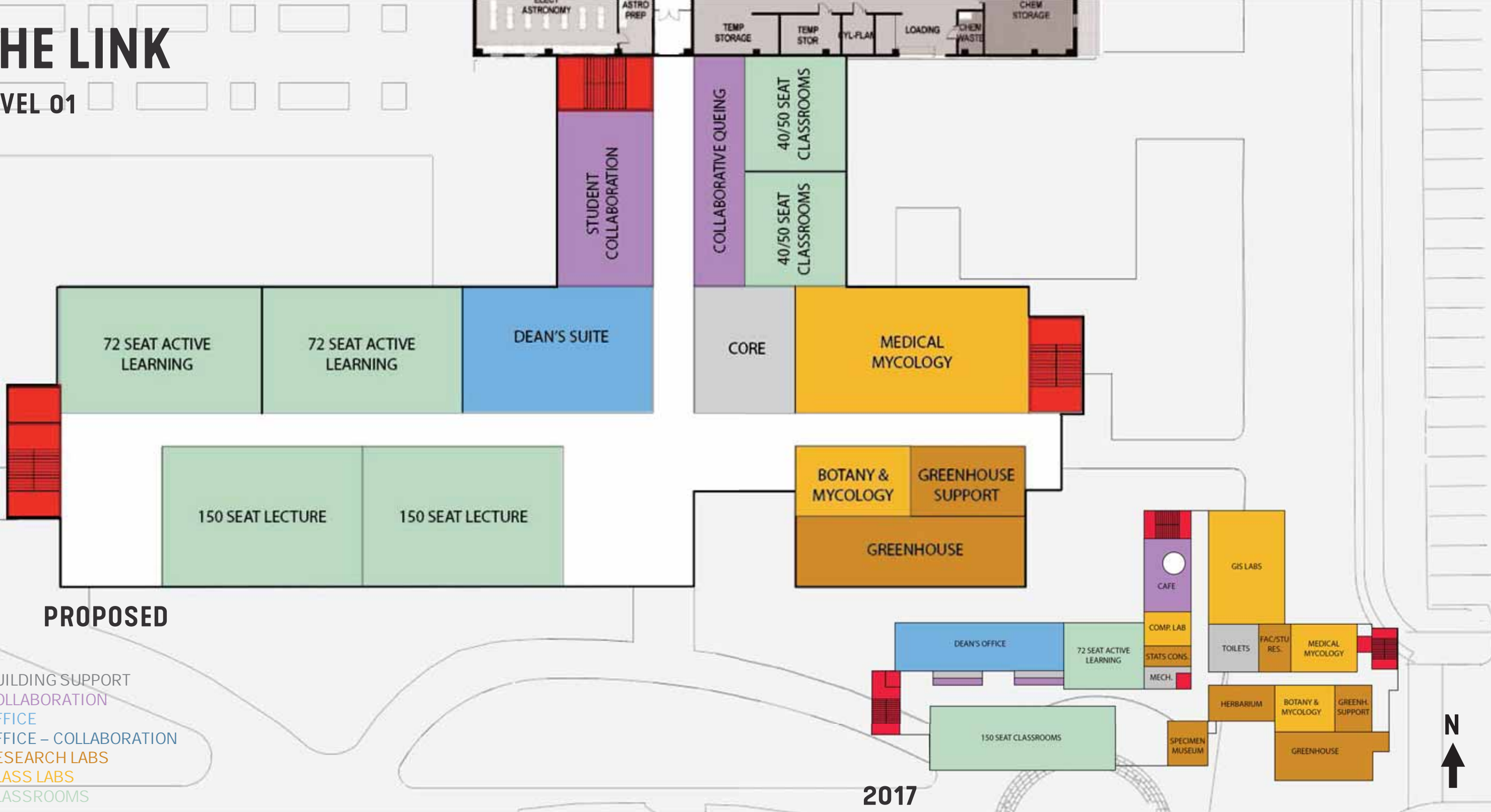
DIRECT CONNECTION TO COURTYARD AND ROOF TERRACE

# THE LINK



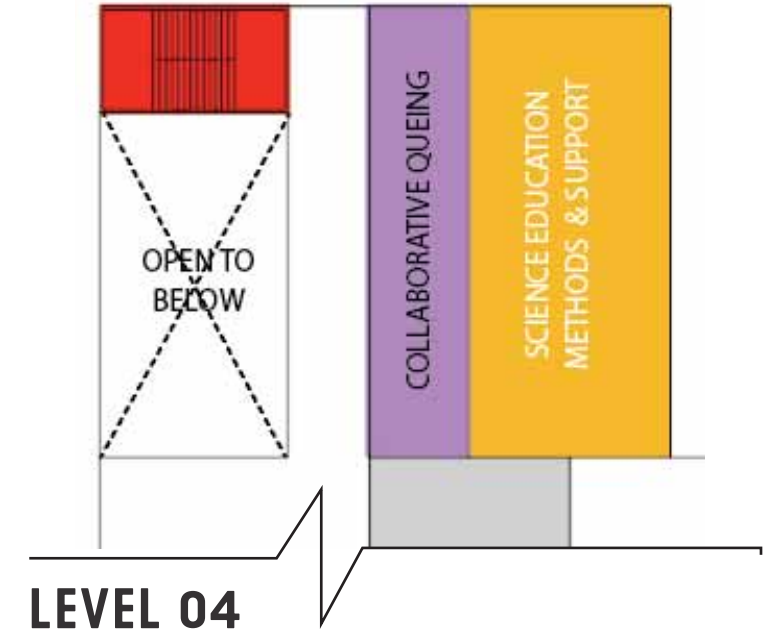
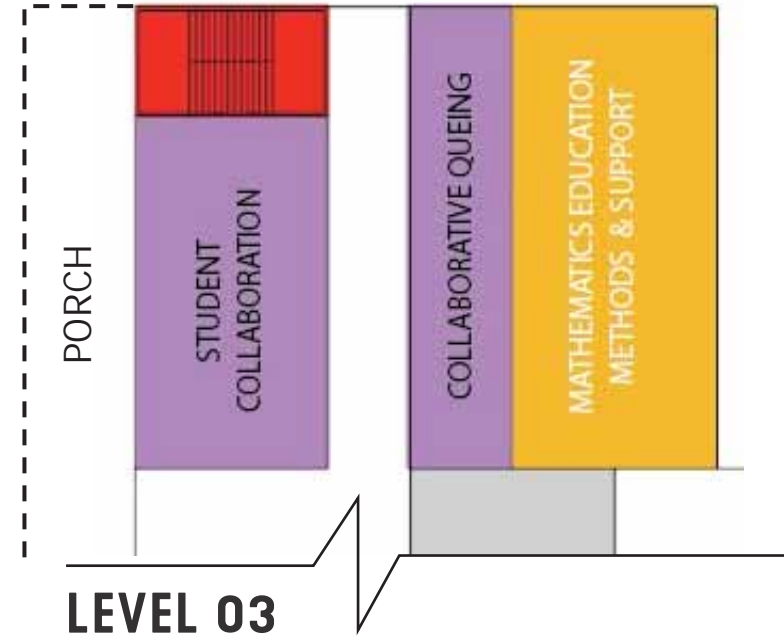
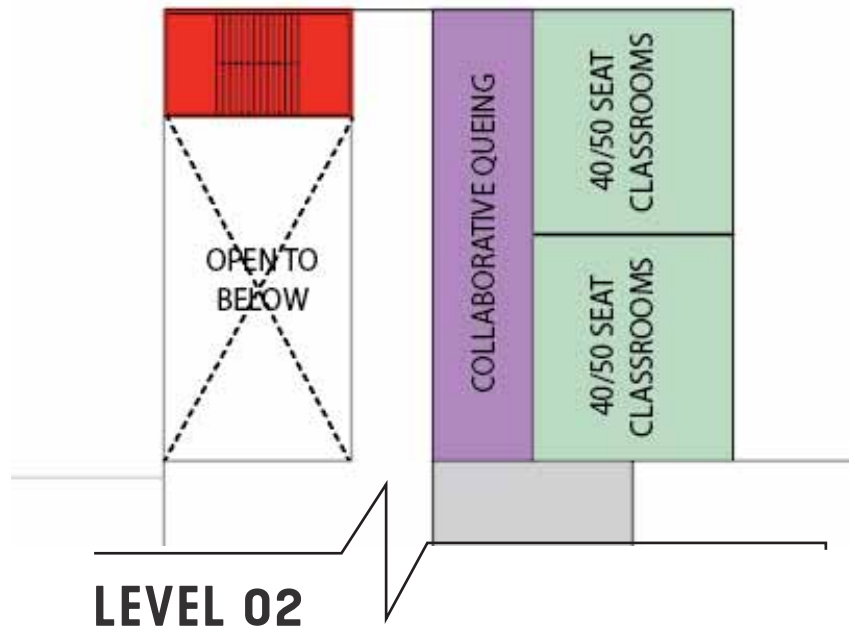
# THE LINK

LEVEL 01

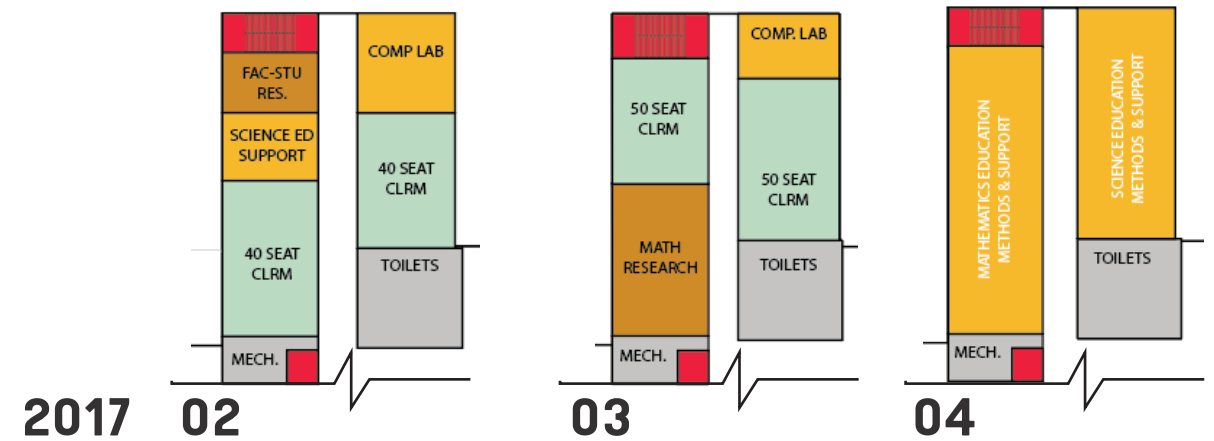


# THE LINK

LEVEL 02, 03, 04



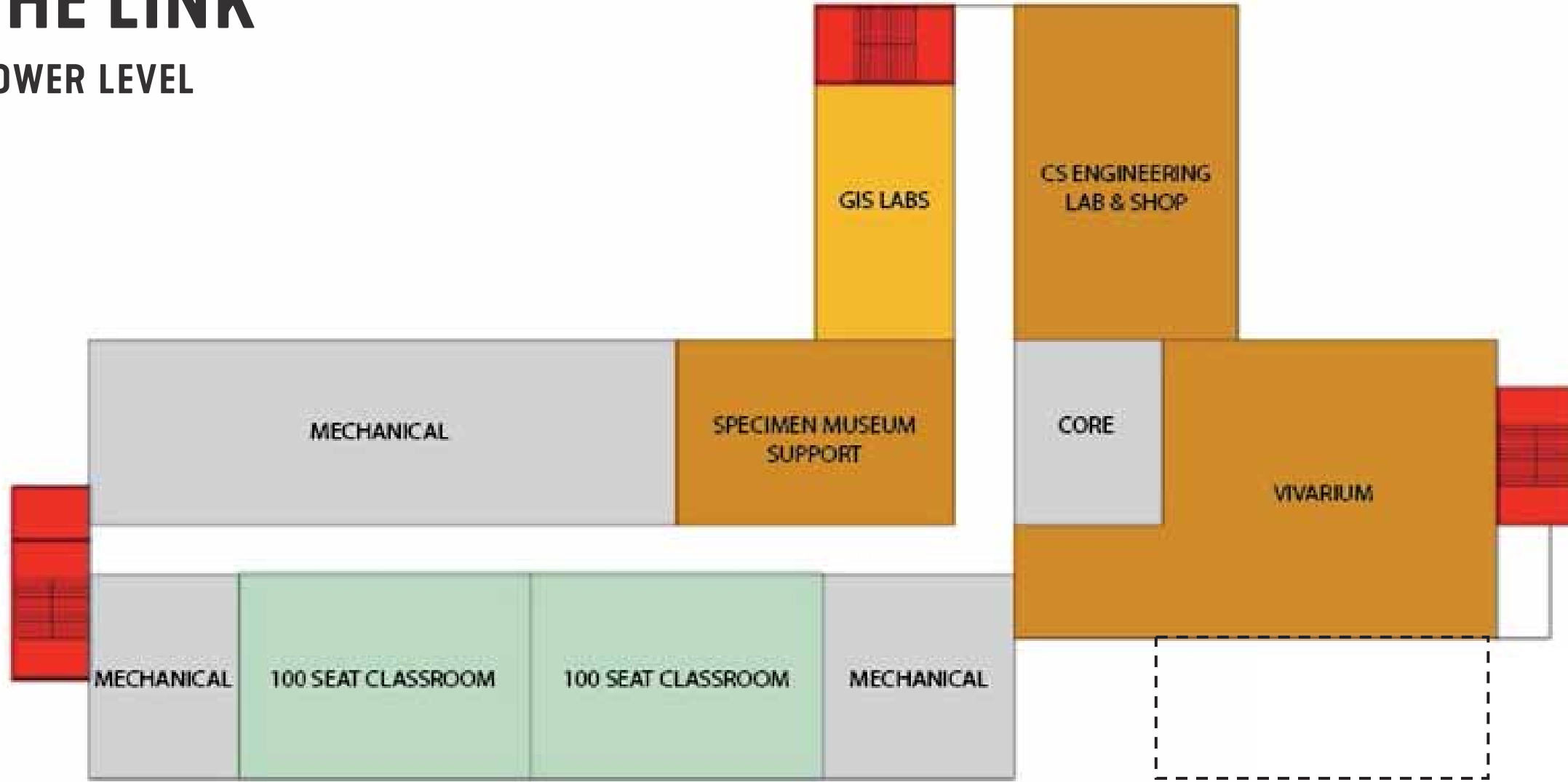
- BUILDING SUPPORT
- COLLABORATION
- OFFICE
- OFFICE – COLLABORATION
- RESEARCH LABS
- CLASS LABS
- CLASSROOMS



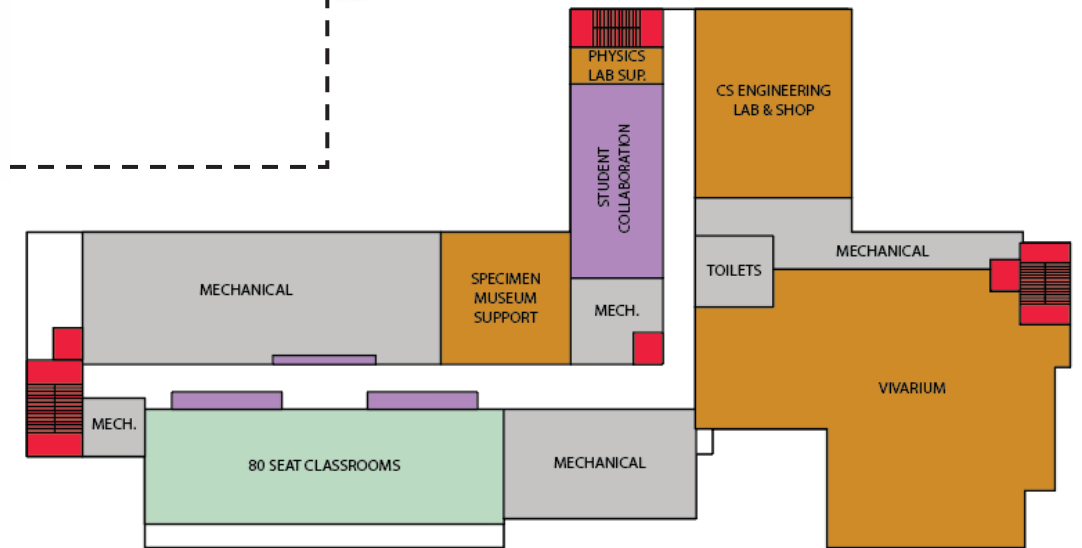


# THE LINK

## LOWER LEVEL



## PROPOSED

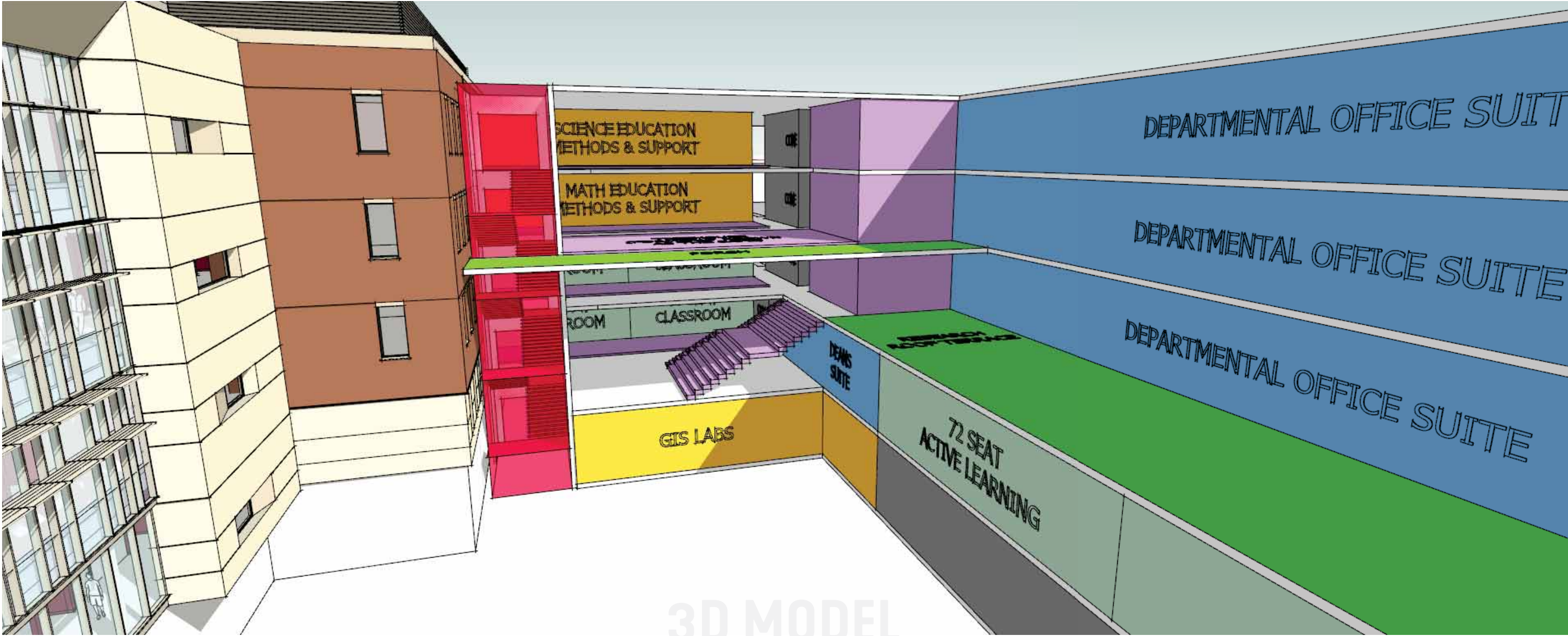


2017



- BUILDING SUPPORT
- COLLABORATION
- OFFICE
- OFFICE – COLLABORATION
- RESEARCH LABS
- CLASS LABS
- CLASSROOMS

# THE LINK





# THE LINK

## MEANINGFUL CONNECTION TO ROOF TERRACE





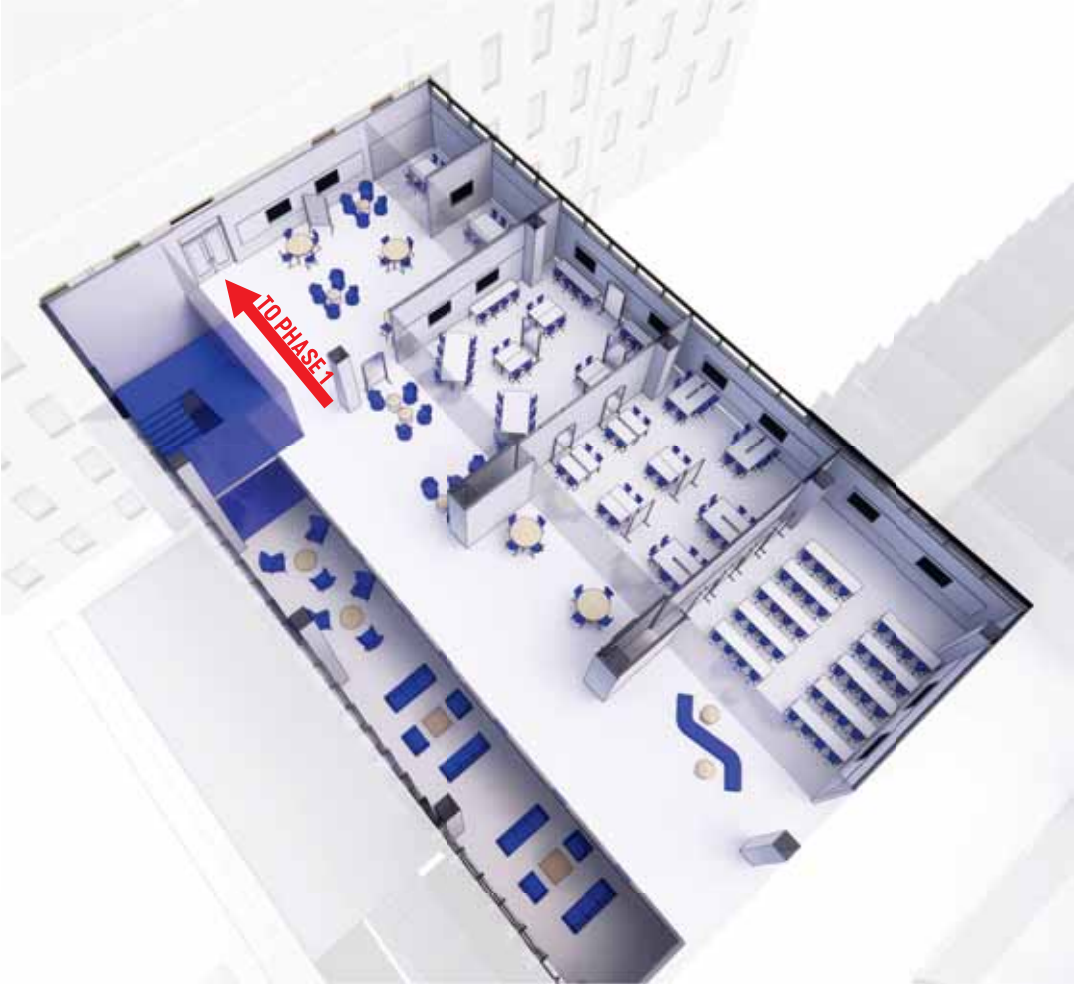
# THE LINK



CONFERENCE



COVID

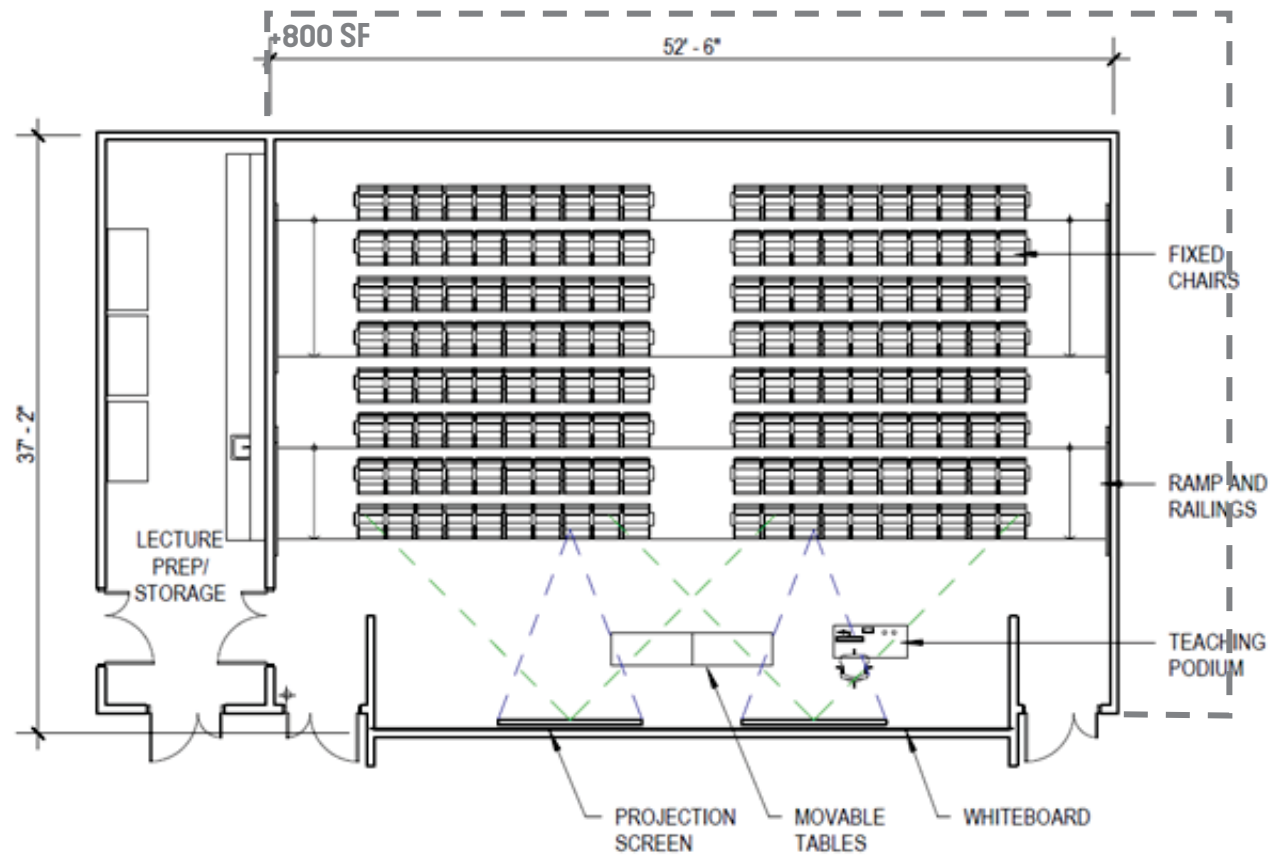


3 MODULES ACTIVE LEARNING



# CLASSROOMS

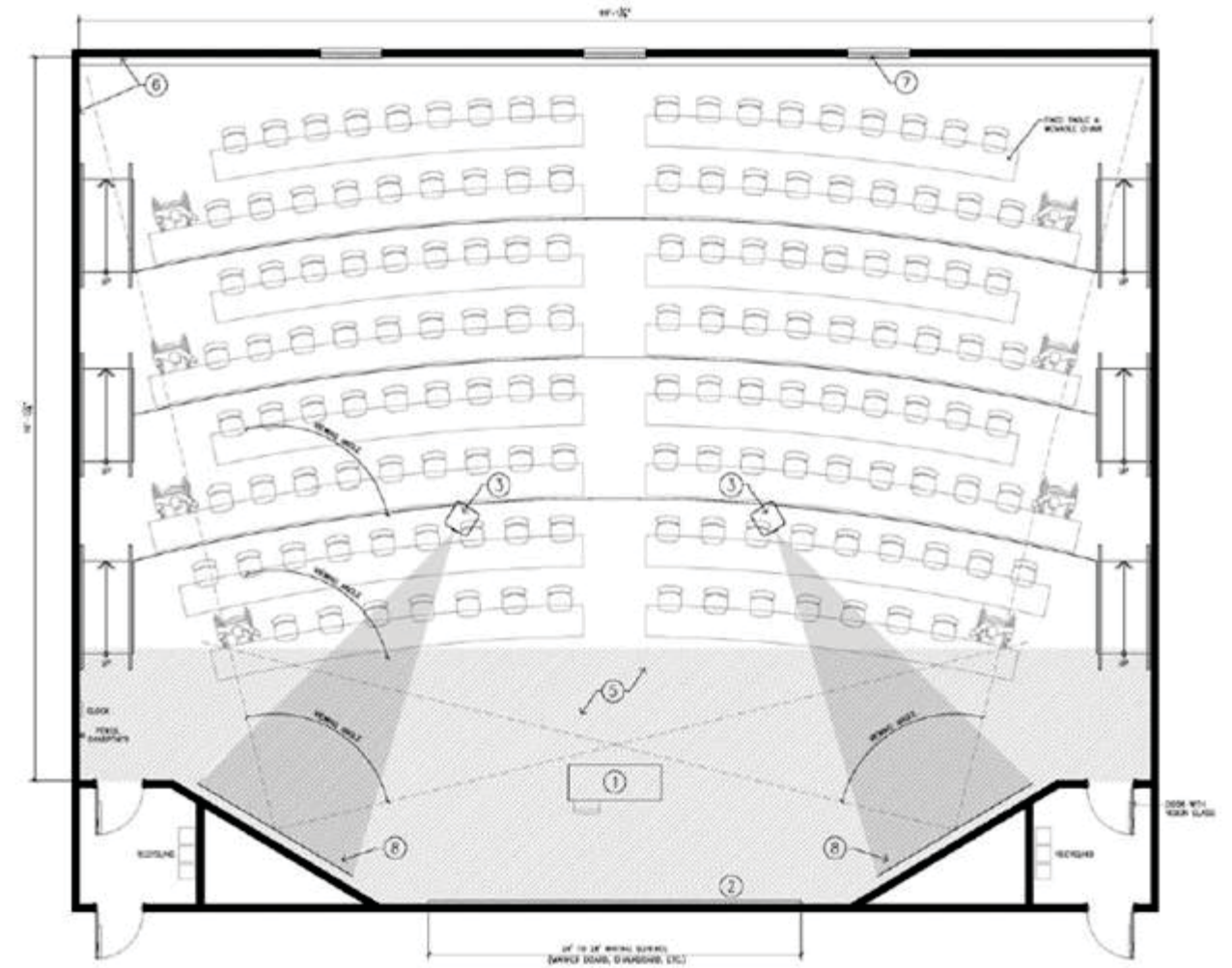
## 150 SEAT LECTURE HALL PEDAGOGY



### FIXED TABLET ARM CHAIRS

PROGRAM: 16 SF/SEAT (AS SHOWN = 13 SF/SEAT)

PROGRAM AREA = 2,400 ASF (AS SHOWN = 1,950 ASF)



### FIXED TABLES & MOVABLE CHAIRS

2 ROWS PER TIER

23 SF/SEAT

3,450 ASF (AS SHOWN: 140 SEATS 3,220 ASF)

# THE LINK





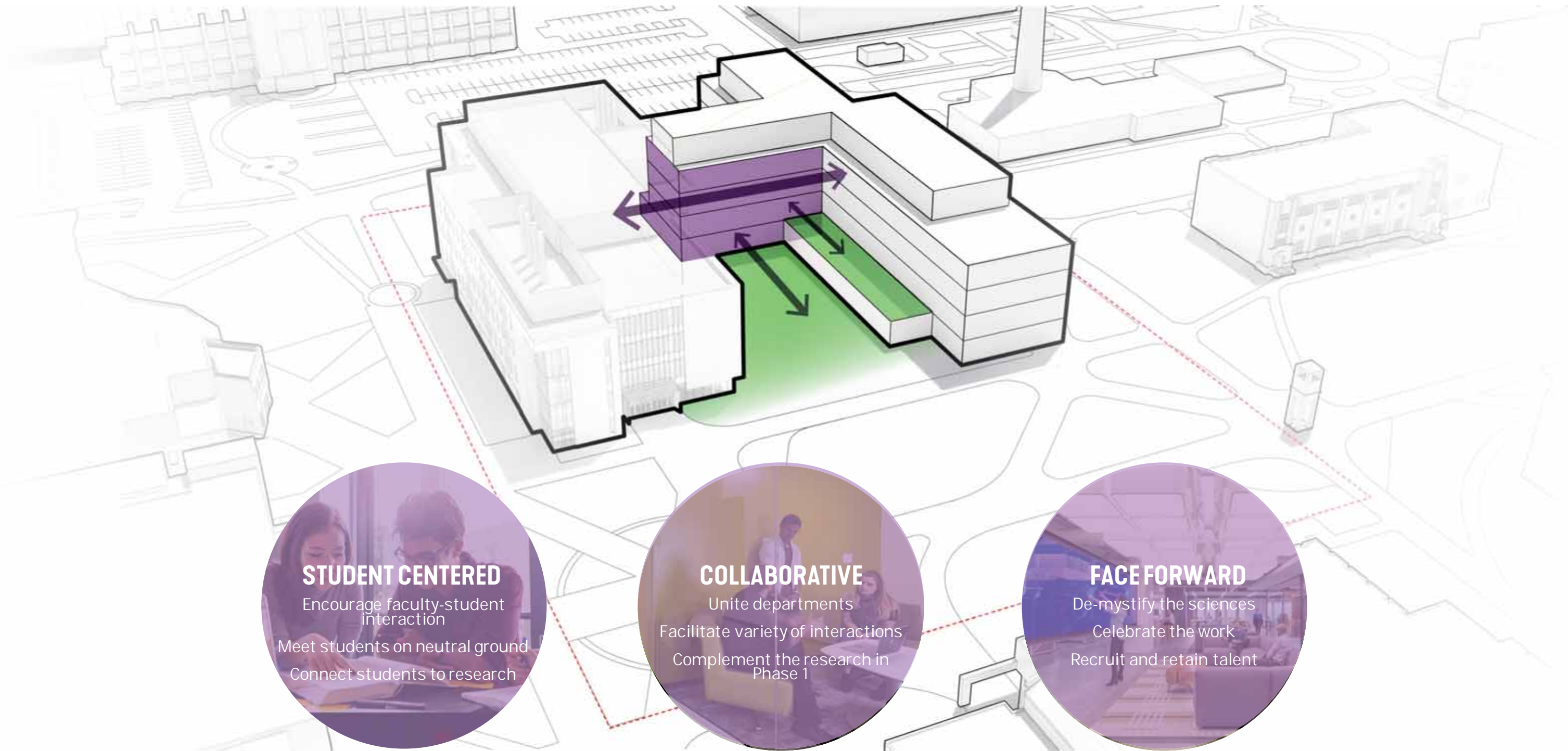
# THE LINK

## TREEHOUSE PORCH





# THE LINK



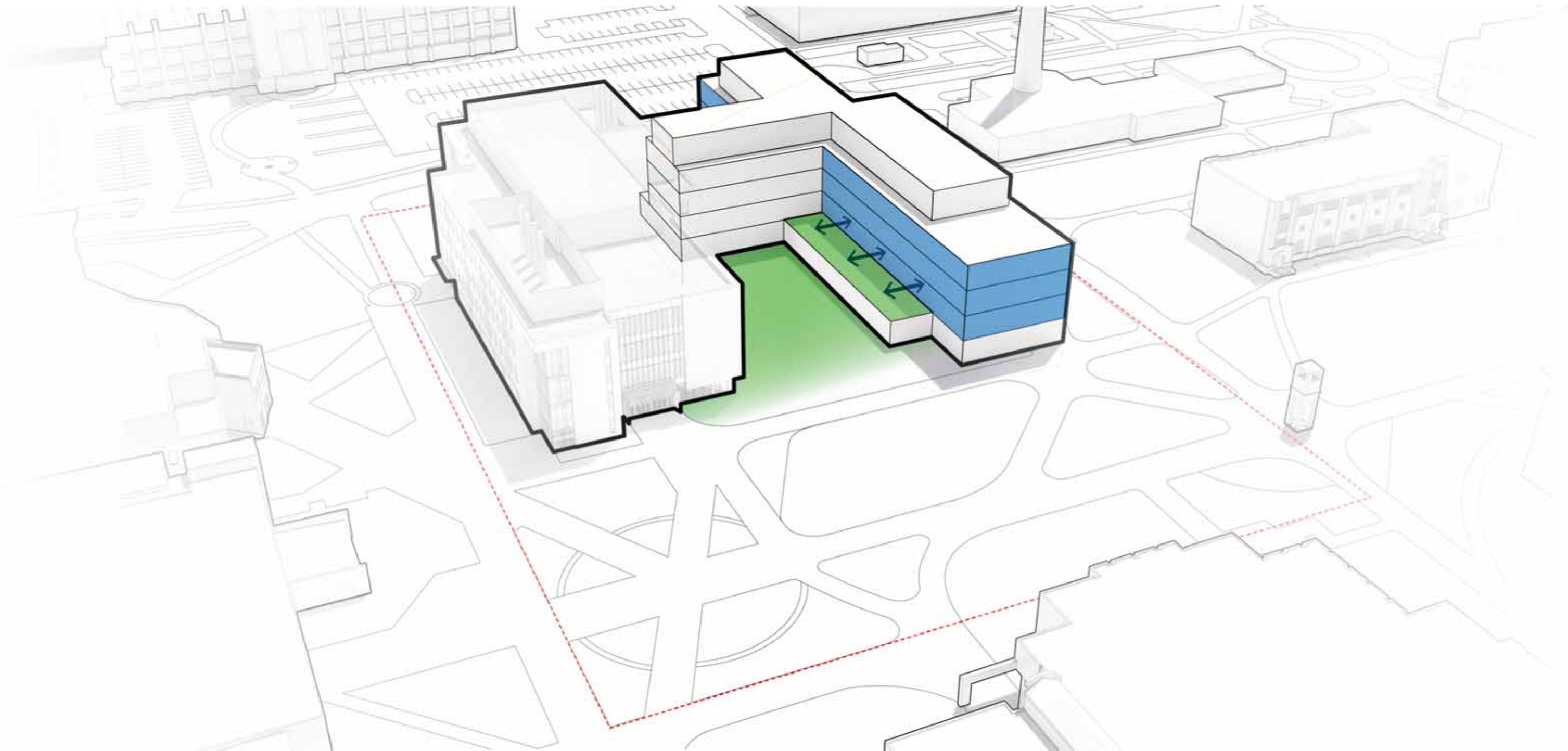
**STUDENT CENTERED**  
Encourage faculty-student interaction  
Meet students on neutral ground  
Connect students to research

**COLLABORATIVE**  
Unite departments  
Facilitate variety of interactions  
Complement the research in Phase 1

**FACE FORWARD**  
De-mystify the sciences  
Celebrate the work  
Recruit and retain talent



# DEPARTMENTAL OFFICES



# DEPARTMENTAL OFFICES

HOW DO YOU ENVISION DEPARTMENTAL SPACE TO BE ORGANIZED?

NOT A FORMAL SUITE,  
OPEN AND WELCOMING

EASY TO FIND FACULTY

STUDENTS NEED TO KNOW  
WHERE TO GO

DEPARTMENT FACULTY UNITED

OPPORTUNITY FOR  
IMPROMPTU COLLABORATION  
INTEGRATED WITH OFFICES

EQUITY IN OFFICING

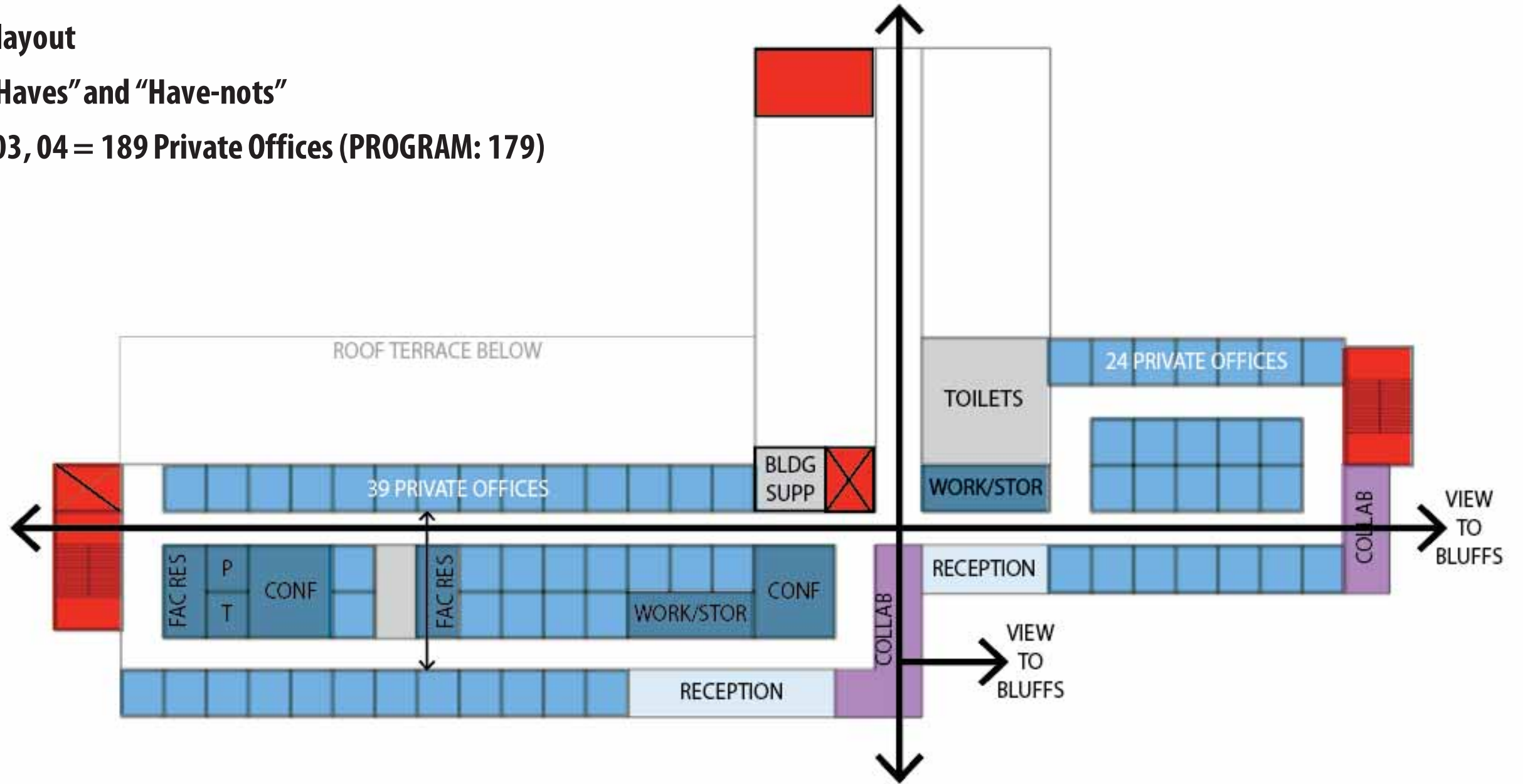
EMBED NEUTRAL MEETING  
ZONES WITHIN  
DEPARTMENTAL OFFICE  
SUITES

FLEXIBILITY, EASY  
ADAPTABILITY

# DEPARTMENTAL OFFICES

## 2017 LAYOUT

- **Highly efficient layout**
- **Private Offices “Haves” and “Have-nots”**
- **Total Levels 02, 03, 04 = 189 Private Offices (PROGRAM: 179)**

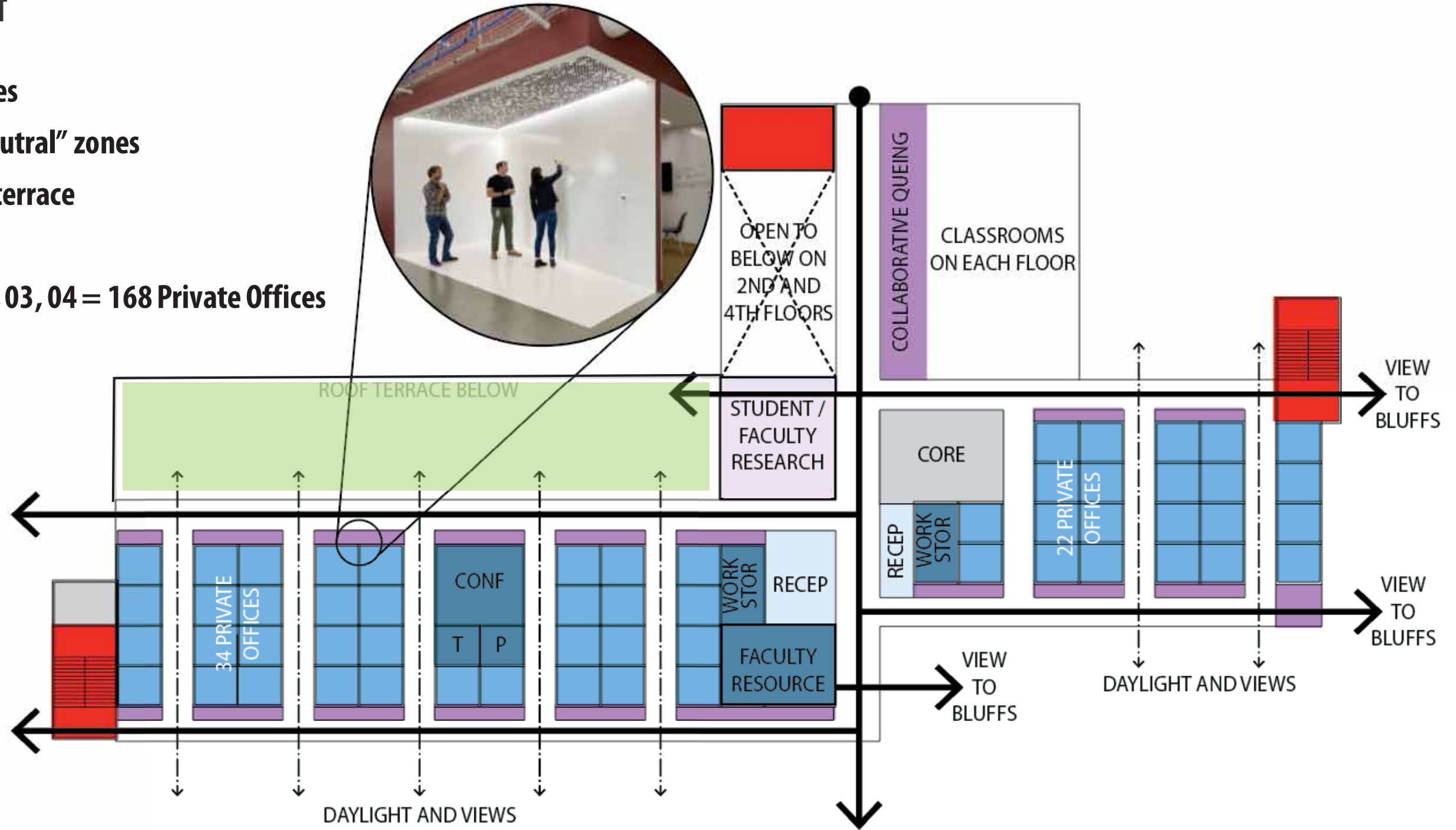


BUILDING SUPPORT  
COLLABORATION  
OFFICE  
OFFICE – COLLABORATION  
RESEARCH LABS  
CLASS LABS  
CLASSROOMS

# DEPARTMENTAL OFFICES

## ALTERNATE LAYOUT

- Equitable offices
- Distributed “neutral” zones
- Activated roof terrace
- Less efficient
- Total Levels 02, 03, 04 = 168 Private Offices



BUILDING SUPPORT  
 COLLABORATION  
 OFFICE  
 OFFICE – COLLABORATION  
 RESEARCH LABS  
 CLASS LABS  
 CLASSROOMS



# DEPARTMENTAL SPACE ORGANIZATION

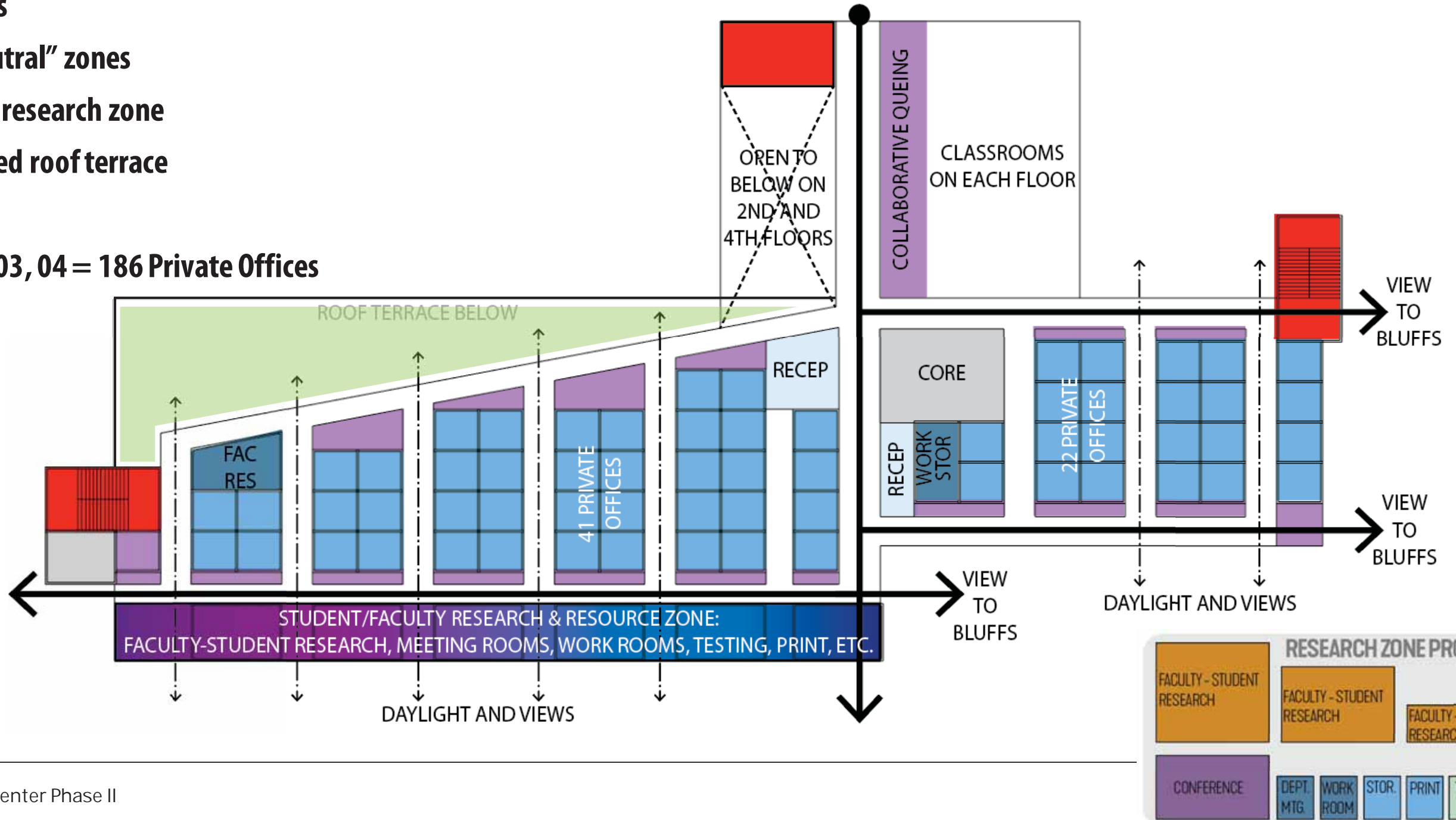
FACULTY RESOURCE CENTER – A HUB FOR INNOVATION



# DEPARTMENTAL OFFICES

## ALTERNATE & INTEGRATED

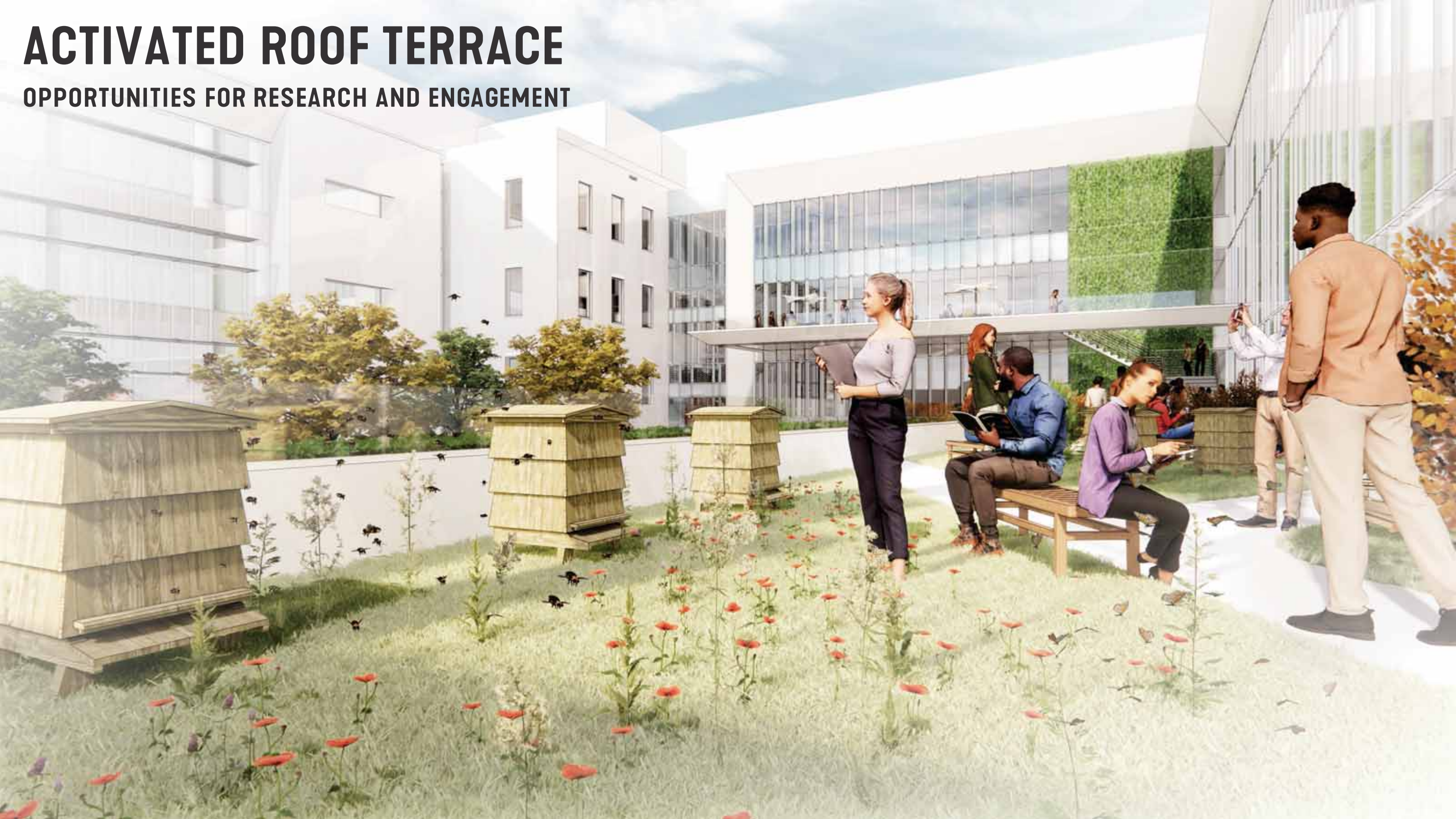
- Equitable offices
- Distributed “neutral” zones
- Student-faculty research zone
- Smaller, activated roof terrace
- Less efficient
- Total Levels 02, 03, 04 = 186 Private Offices





# ACTIVATED ROOF TERRACE

OPPORTUNITIES FOR RESEARCH AND ENGAGEMENT







The image is an architectural rendering of a science center building. The building is shown in a cutaway style, revealing its internal structure. It features a central courtyard area with a green lawn and a blue walkway. The building is surrounded by other campus buildings and parking lots. Three circular callout boxes are overlaid on the bottom of the rendering, each containing text and a small image. The first callout box is on the left, the second is in the center, and the third is on the right. Red dashed lines connect the callout boxes to the building's layout.

### STUDENT CENTERED

Encourage faculty-student interaction

Meet students on neutral ground  
Connect students to research

### COLLABORATIVE

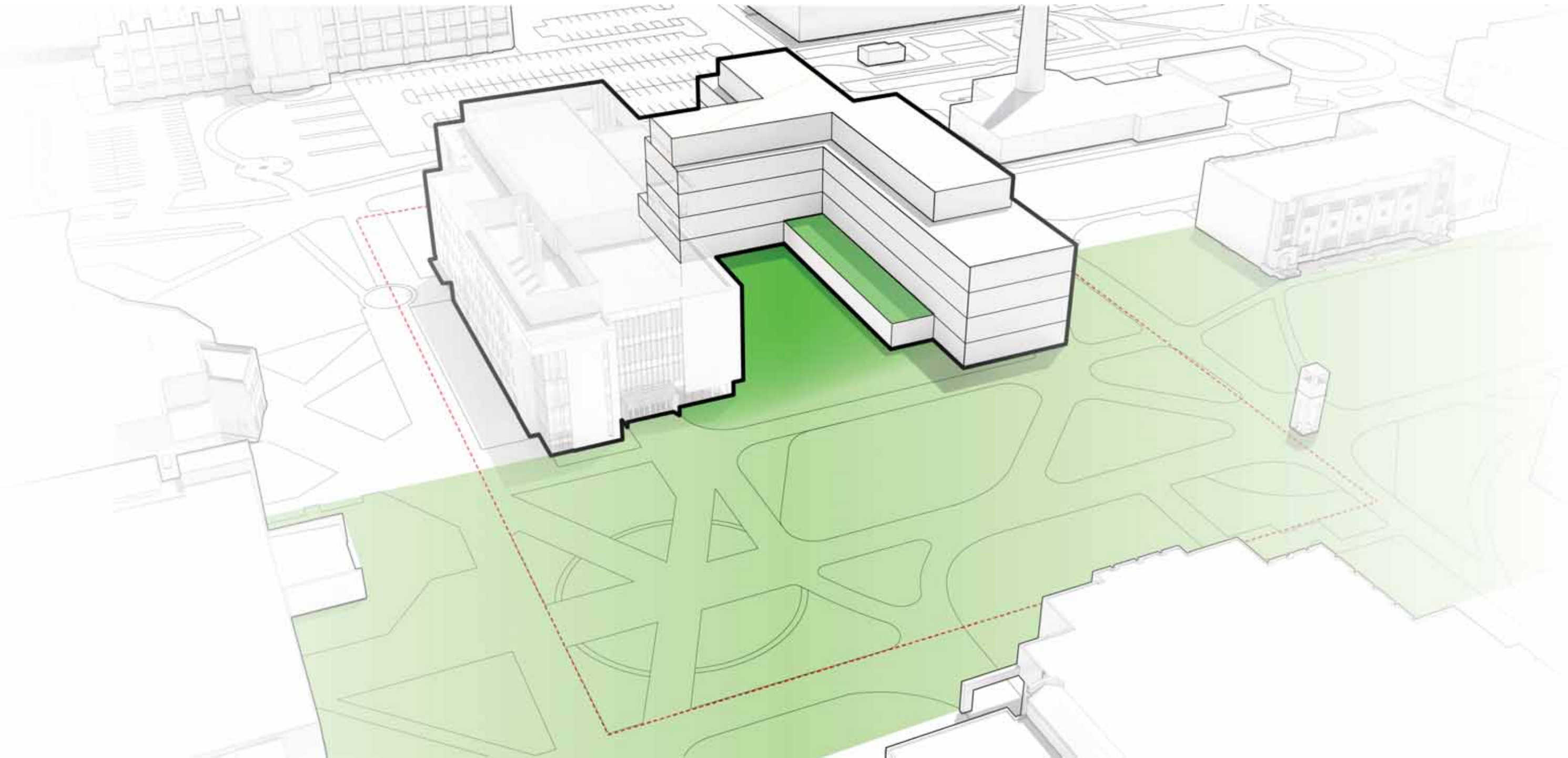
Unite departments  
Facilitate variety of interactions  
Complement the research in Phase 1

### FACE FORWARD

De-mystify the sciences  
Celebrate the work  
Recruit and retain talent



# SITE OPPORTUNITIES



# SITE OPPORTUNITIES

WHAT PROGRAM ELEMENTS OR EXPERIENCES COULD CONNECT TO THE OUTDOORS?

OUTDOOR SPACE AS LEARNING  
RESOURCE – BEEHIVES, NATIVE  
PLANTS, GEOLOGY, SURVEY  
LANDMARK, INTERACTIVE  
DISPLAY

INSTRUCTIONAL ACTIVITIES –  
OUTDOOR LECTURES, LAB  
ACTIVITIES AND DEMOS,  
WRITABLE SURFACES

SCIENCE PLAYGROUND –  
OUTDOOR SPACE IS  
PROGRAMMED SPACE

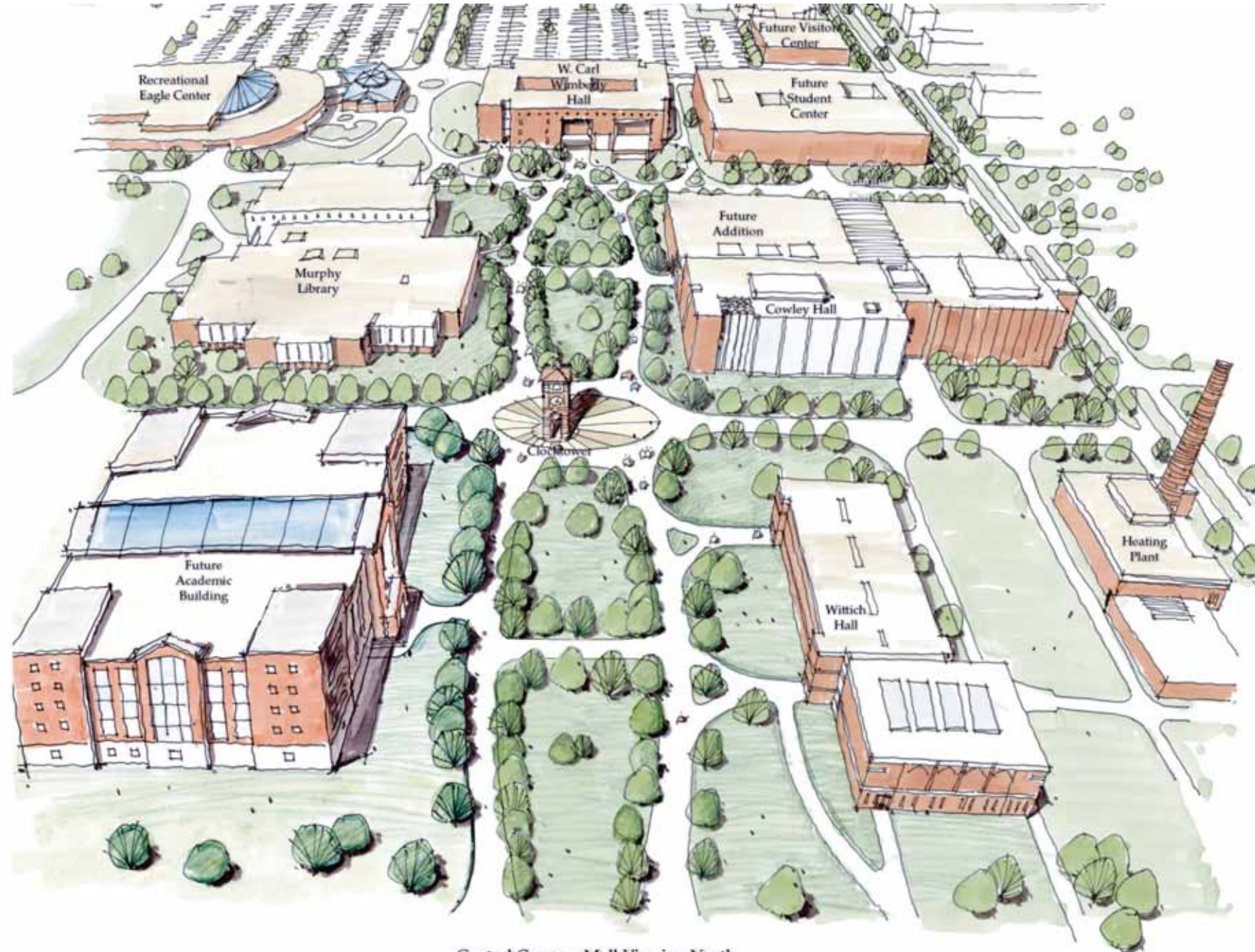
RECEPTION & EVENTS

COMMUNITY INTERFACE –  
SCIENCE ON DISPLAY



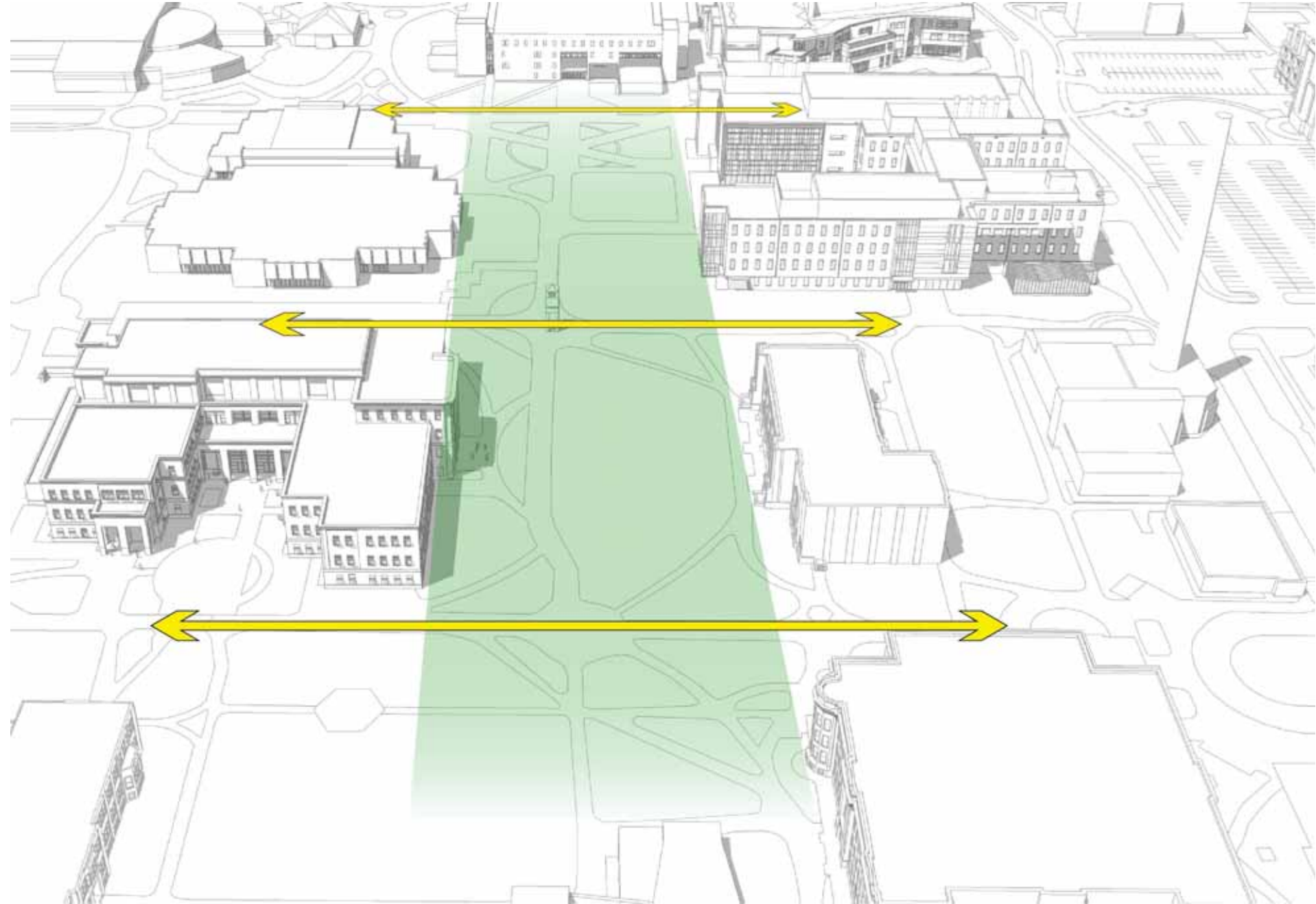
# MALL EVOLUTION

## 2005 MASTERPLAN



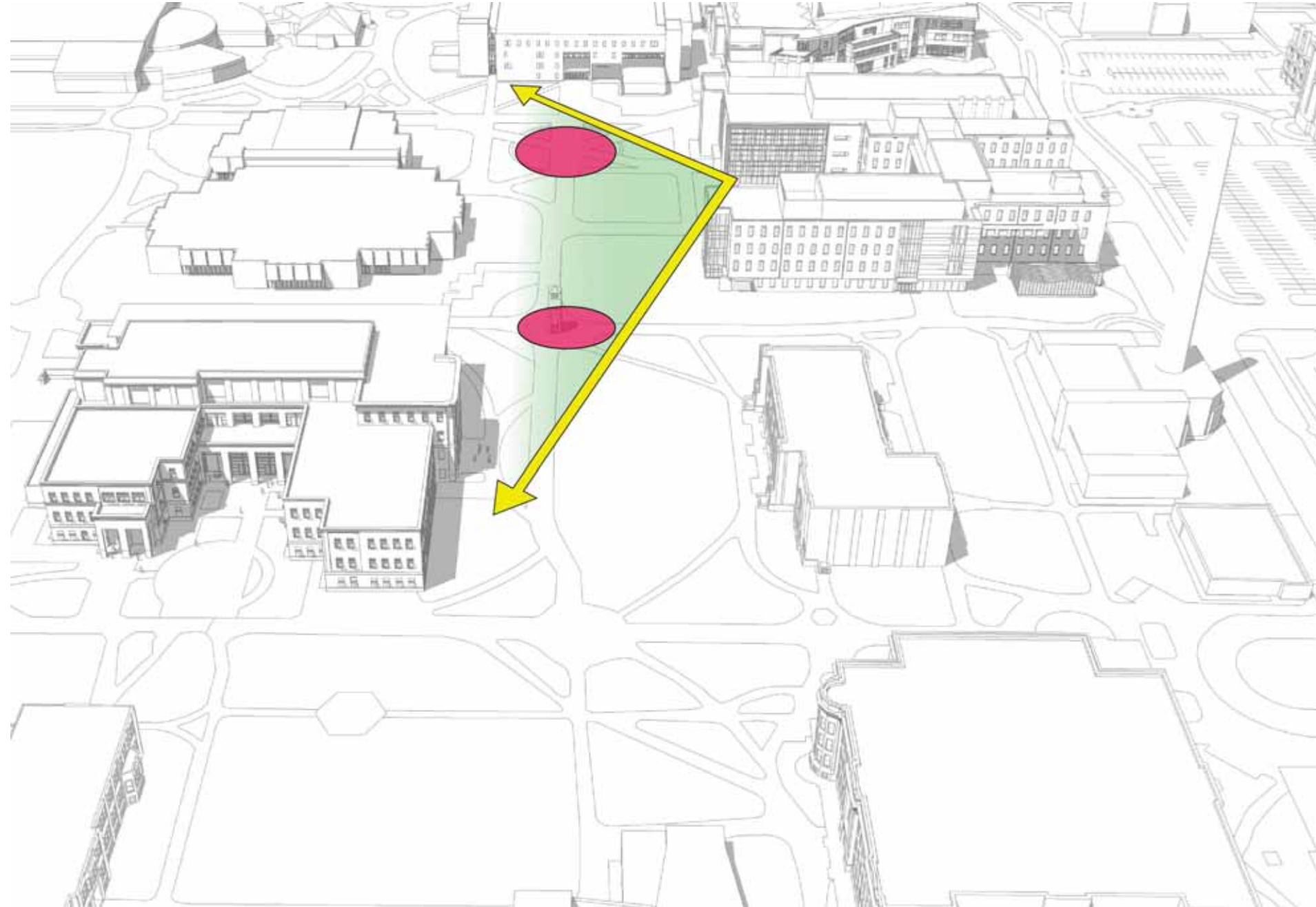
Central Campus Mall Viewing North

# MALL EVOLUTION



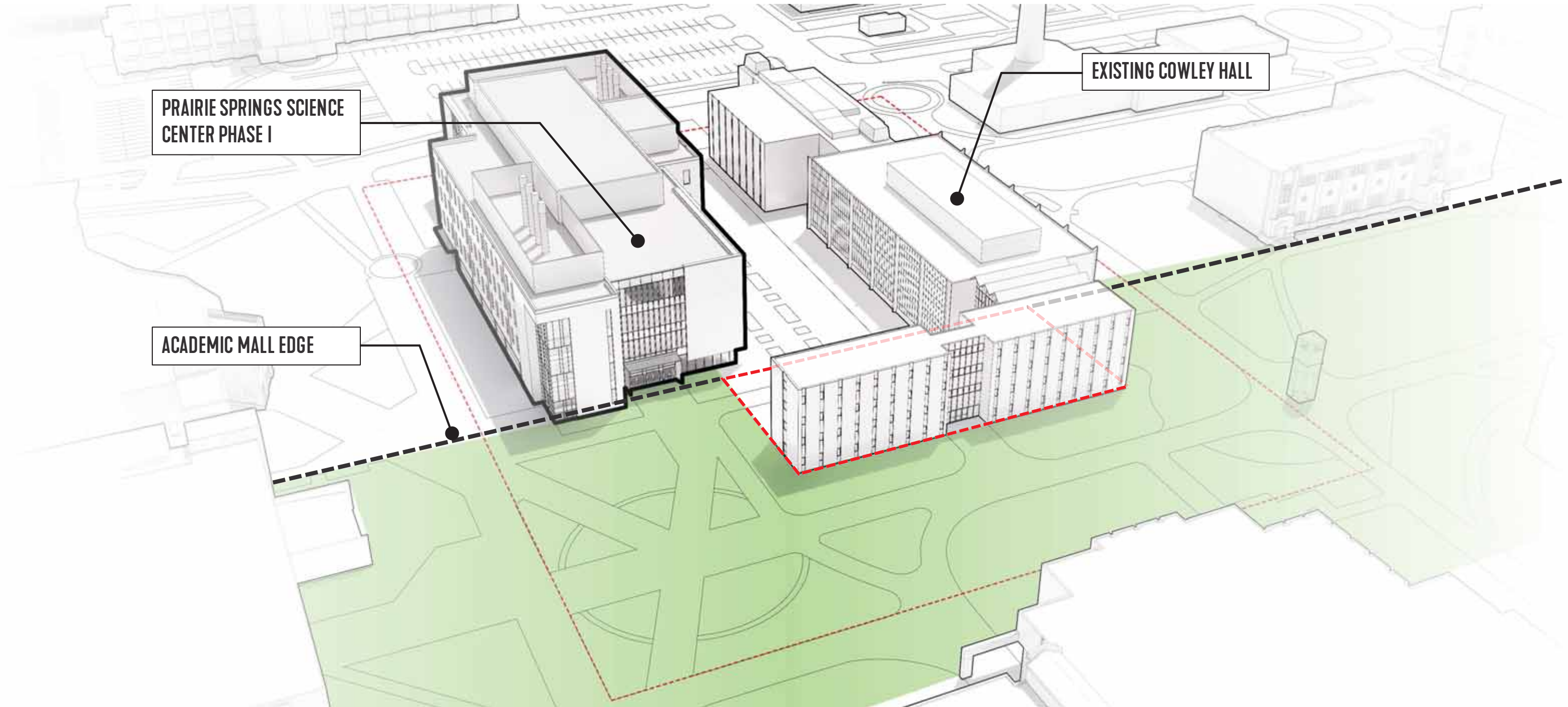


# MALL EVOLUTION



# MALL EVOLUTION

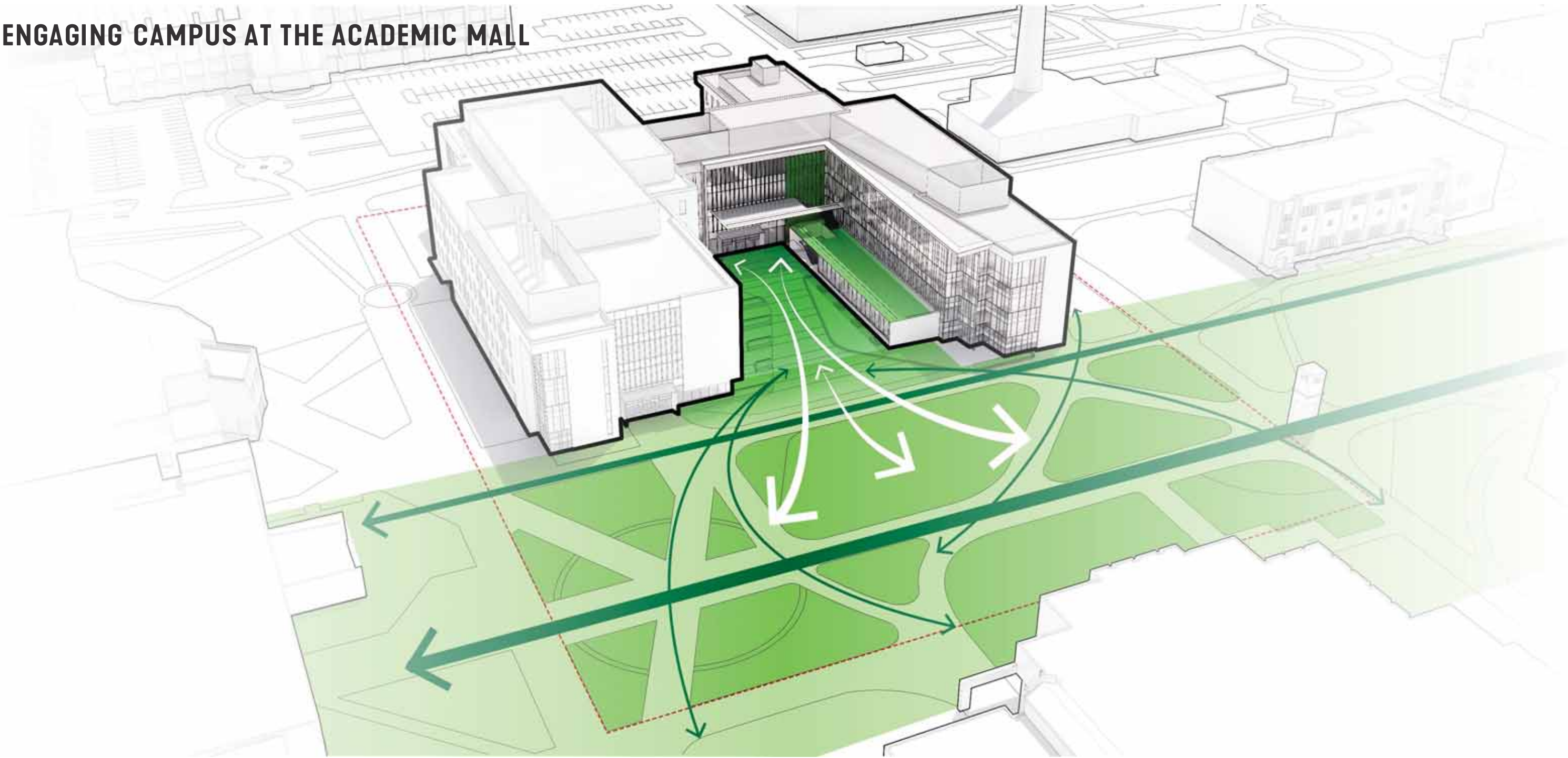
COMPLETING THE CAMPUS ECOSYSTEM - DISCOVERING THE NEW MALL





# SITE OPPORTUNITIES

ENGAGING CAMPUS AT THE ACADEMIC MALL

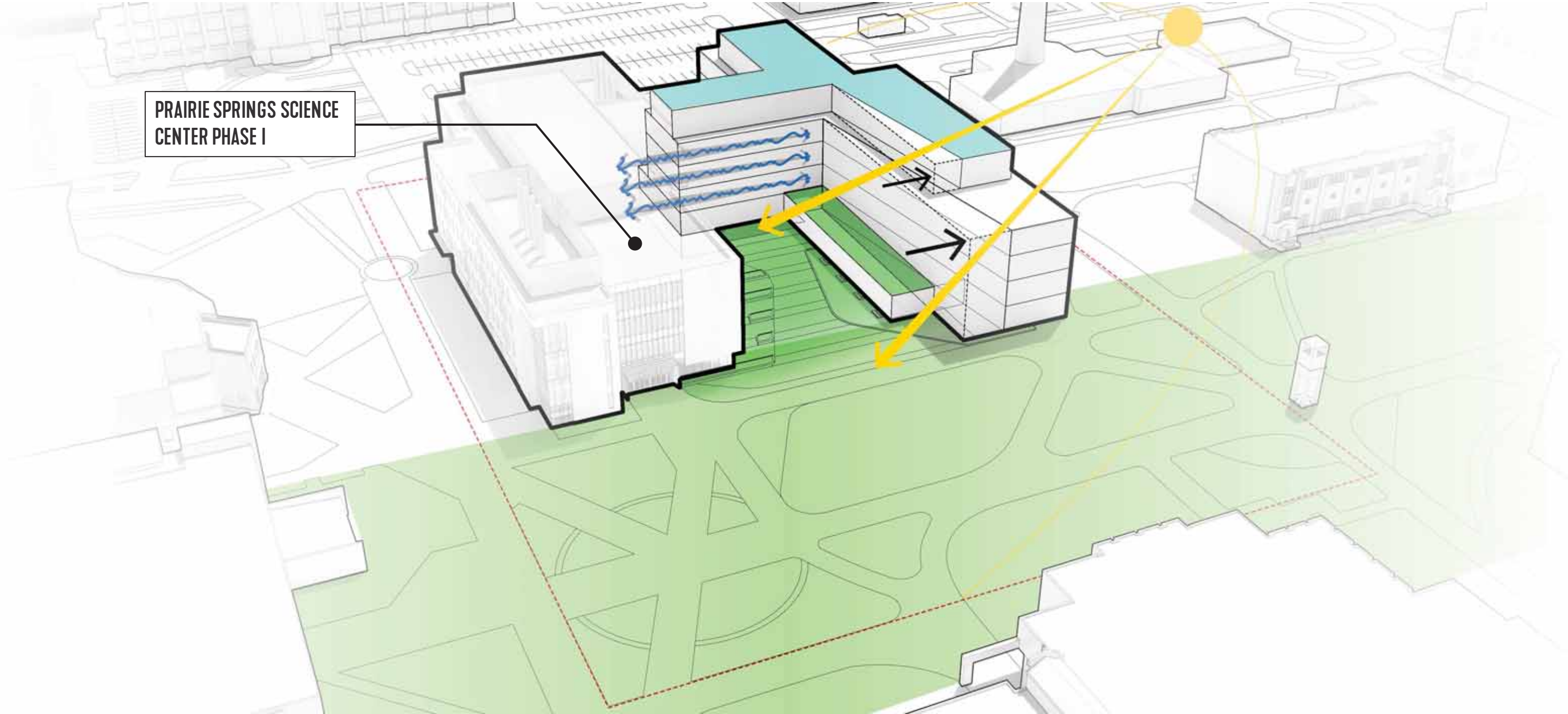




# SITE OPPORTUNITIES

## ENVIRONMENTAL AND SOCIAL SUSTAINABILITY

PRAIRIE SPRINGS SCIENCE CENTER PHASE I





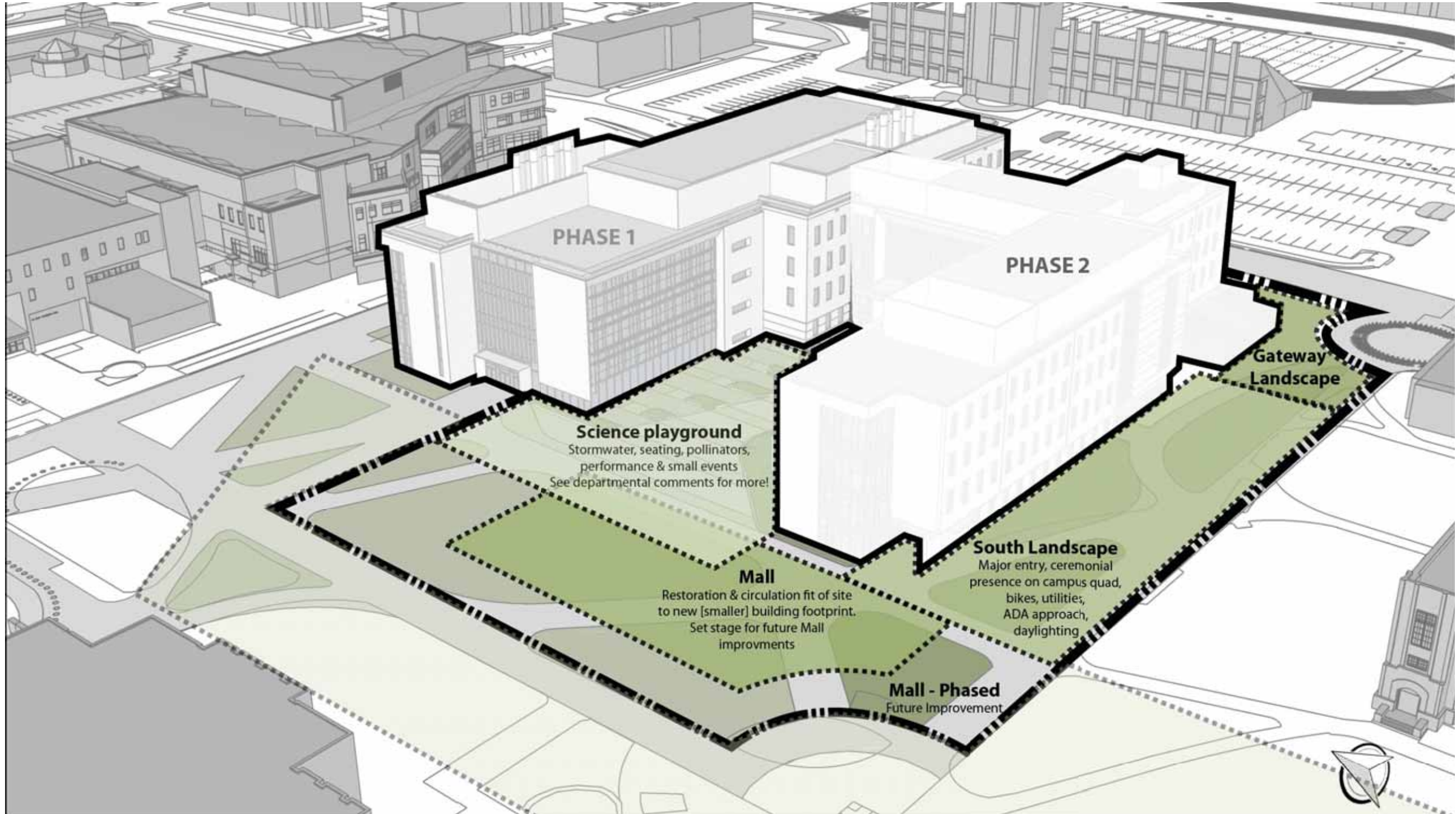
# SCIENCE PLAYGROUND

ENGAGING CAMPUS WITH A SCIENCE PLAYGROUND





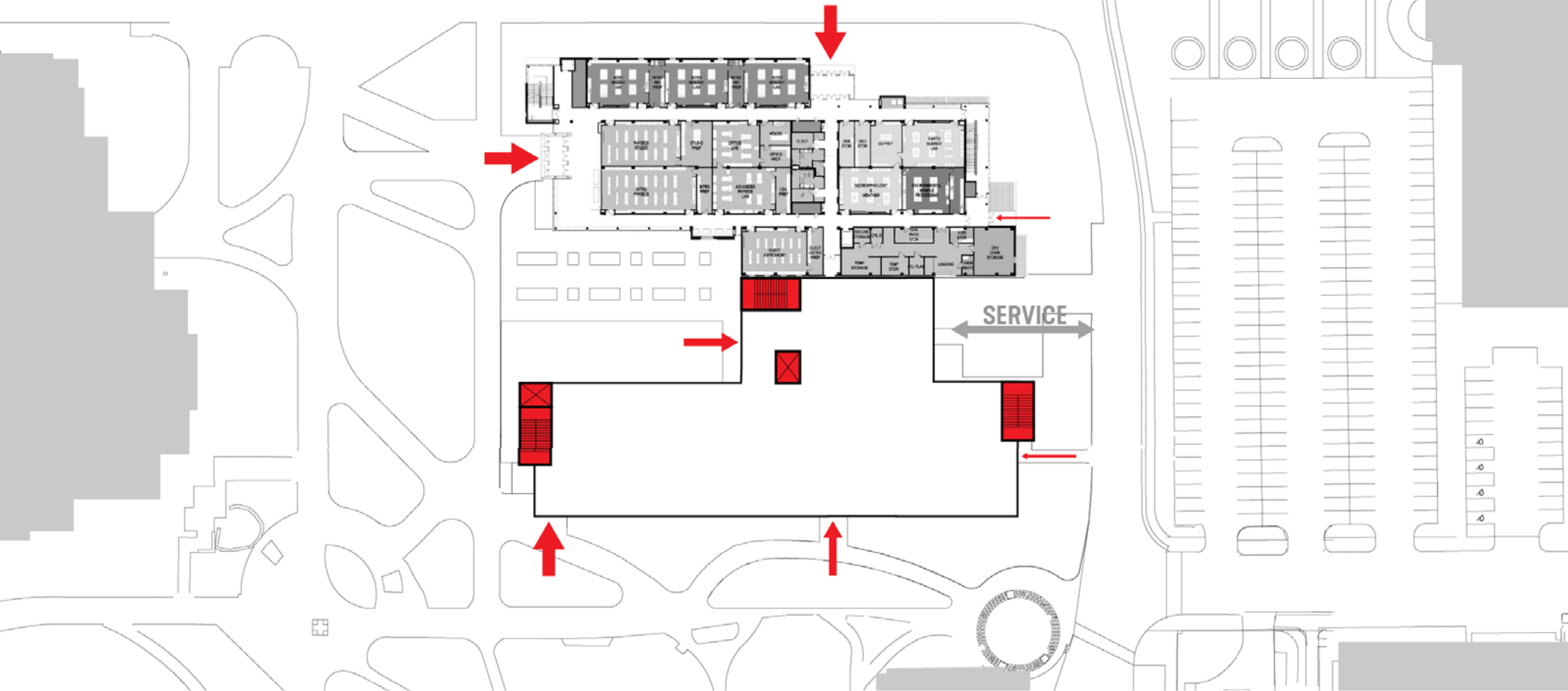
# SITE PROGRAM





# SITE OPPORTUNITIES

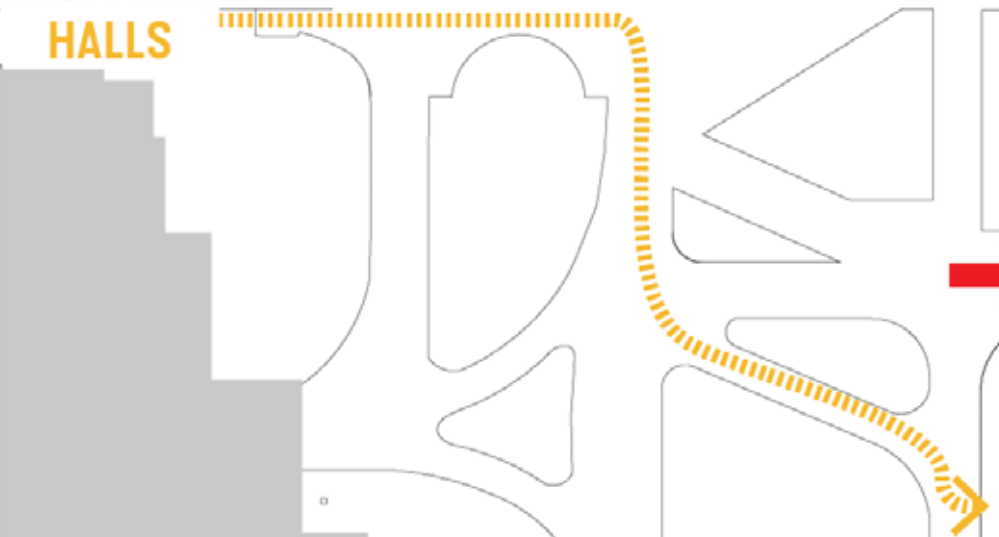
## CIRCULATION



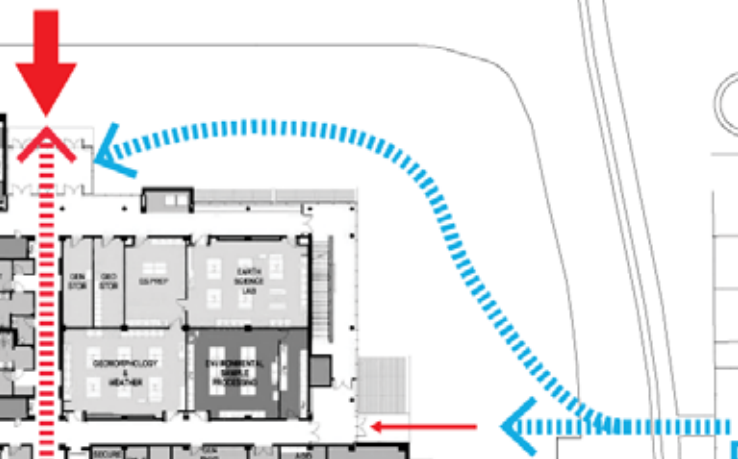
# SITE OPPORTUNITIES

## SITE ACCESS

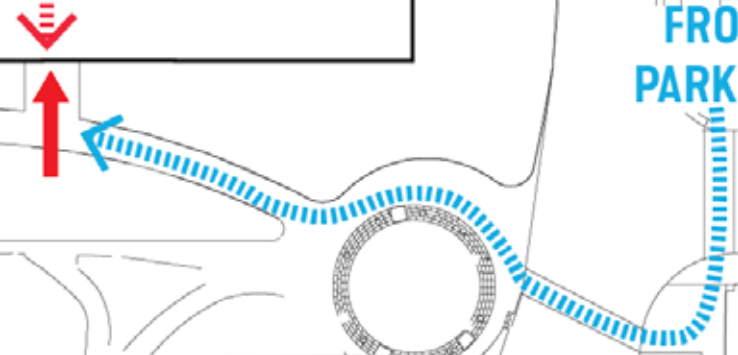
FROM RES.  
HALLS



FROM  
PARKING



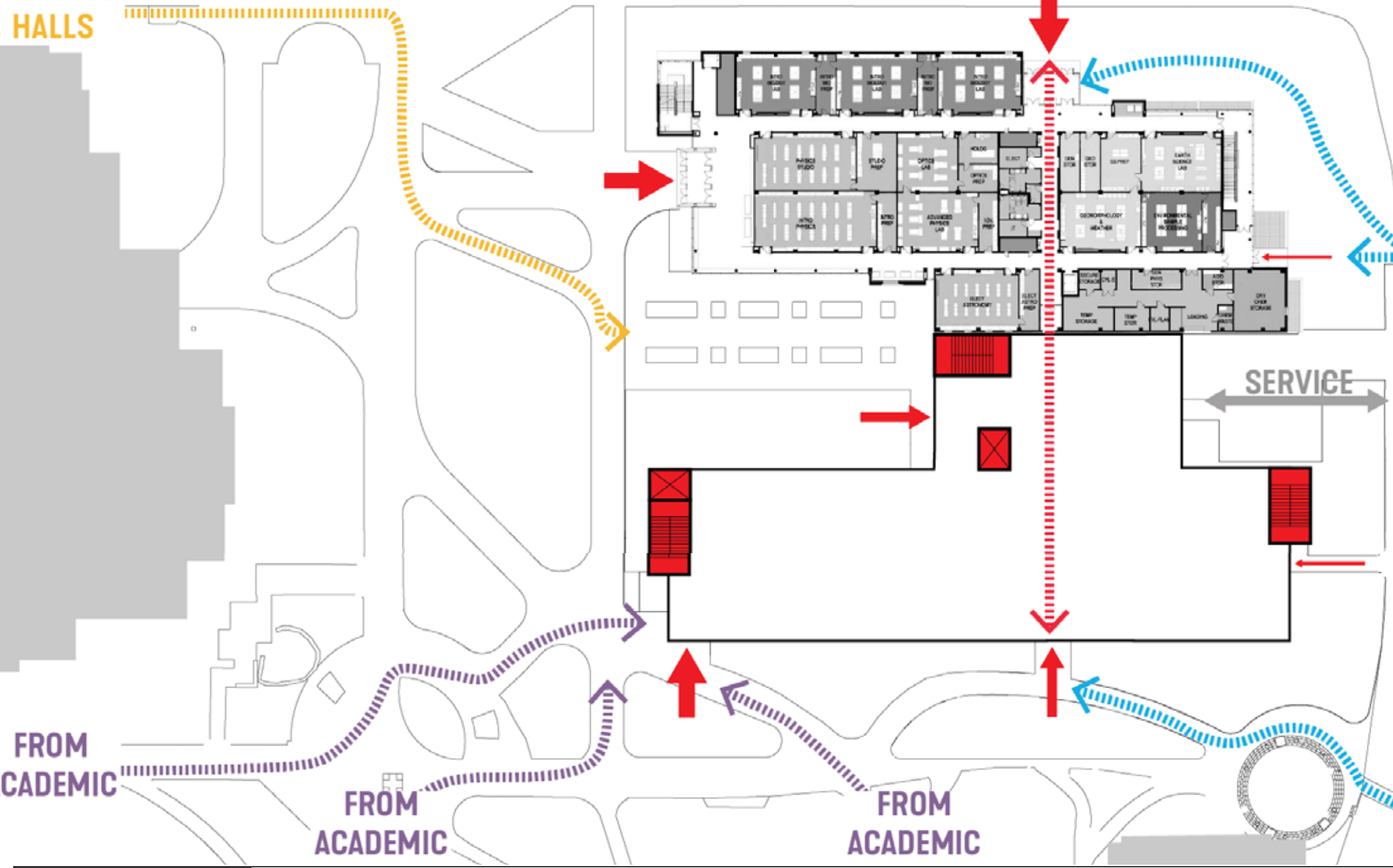
FROM  
PARKING



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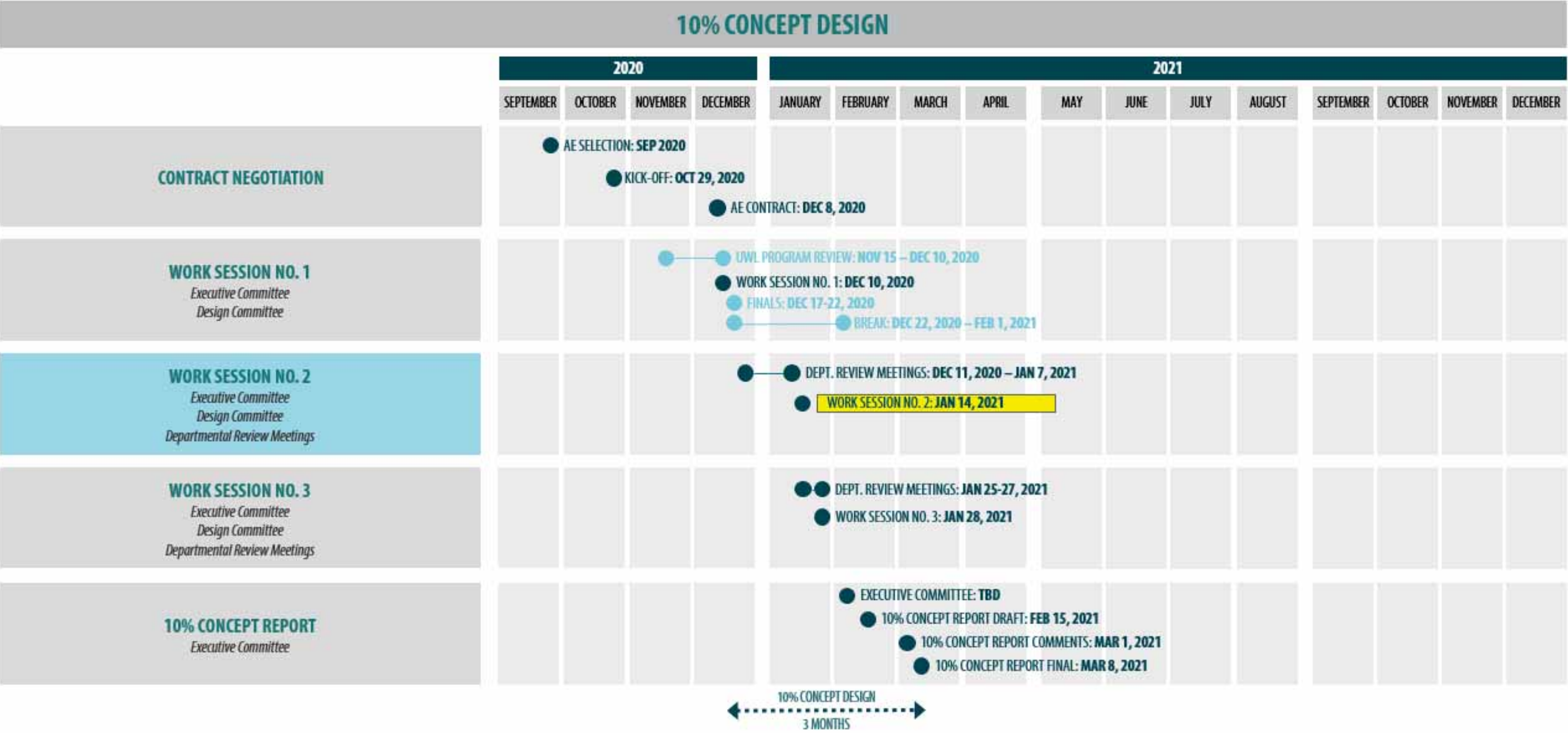
A winter scene on a university campus. The ground is covered in a thick layer of snow. In the background, there is a large, multi-story brick building with a prominent tower. Several people are walking across the snow-covered area. Bare trees are scattered throughout the scene, and a few evergreen trees are also visible, some covered in snow. The sky is overcast and grey.

## NEXT STEPS

- SCHEDULE REVIEW
- WORK SESSION 3 AGENDA



# Project Schedule



# Next Meeting Agenda

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- **Finalize Program**
- **Review Planning Scenarios**
- **Meeting Dates:**
  - **Technology Visioning Session**                      **January 20**
  - **Sustainability Charrette**                              **January 21**
  - **Departmental Program Sessions**                      **January 25-27**
  - **Executive Committee**                                      **January 28**
  - **Design Committee**    **January 28**