Agenda

01 Process and Schedule
02 Program
03 Stakeholder Themes and Planning Principles
04 Preliminary Concepts
05 Draft Master Plan
06 Design Guidelines
07 Pearland Campus
08 Next Steps
01 Process and Schedule
Master Plan Components

- **Discovery**
  - Stakeholder Interviews
  - Analysis
  - Initial Ideas

- **Exploration**
  - Concept Alternatives

- **Synthesis**
  - Draft Plan

- **Master Plan**
  - Documentation
02 Program
Existing Space Deficits

Existing Space (asf)
Projected Need (asf)
Planned Space
• Rec & Wellness
• STEM
• Housing

Classrooms
Teaching Labs
Research Labs
Office
Library and Study
Media
Campus Life
Support
Healthcare
Rec/Athletics
# Space Projections

15,000 Headcount Enrollment (Long Term Capacity)

<table>
<thead>
<tr>
<th>EXISTING SPACE (asf)</th>
<th>EXISTING AND PLANNED SPACE (asf)</th>
<th>ADDITIONAL SPACE NEED (asf)</th>
<th>APPROX. NET NEW GSF</th>
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<tbody>
<tr>
<td>Classrooms</td>
<td>43,032</td>
<td>53,252</td>
<td>35,000</td>
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<tr>
<td>Teaching Labs</td>
<td>84,225</td>
<td>118,781</td>
<td>59,000</td>
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<tr>
<td>Research Labs</td>
<td>11,685</td>
<td>28,224</td>
<td>41,000</td>
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<tr>
<td>Office</td>
<td>237,460</td>
<td>245,928</td>
<td>175,000</td>
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<tr>
<td>Library and Study</td>
<td>111,630</td>
<td>111,930</td>
<td>100,000</td>
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<tr>
<td>Media</td>
<td>76</td>
<td>76</td>
<td>10,000</td>
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<tr>
<td>Campus Life</td>
<td>67,457</td>
<td>71,417</td>
<td>88,000</td>
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<tr>
<td>Support</td>
<td>36,293</td>
<td>38,343</td>
<td>88,000</td>
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<tr>
<td>Healthcare</td>
<td>1,193</td>
<td>1,193</td>
<td>4,000</td>
</tr>
<tr>
<td>Rec/Athletics</td>
<td>0</td>
<td>31,700</td>
<td>107,000</td>
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<td><strong>SUBTOTAL</strong></td>
<td><strong>593,051</strong></td>
<td><strong>700,844</strong></td>
<td><strong>705,000</strong></td>
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<table>
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<tr>
<th>LONG TERM TARGET FOR TOTAL STUDENTS HOUSED</th>
<th>NEW BEDS*</th>
<th>NET NEW GSF (350 GSF/bed)</th>
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<tbody>
<tr>
<td>10%</td>
<td>930</td>
<td>326,000</td>
</tr>
<tr>
<td>15%</td>
<td>1,680</td>
<td>589,000</td>
</tr>
<tr>
<td>20%</td>
<td>2,430</td>
<td>851,000</td>
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<tr>
<td>25%</td>
<td>3,180</td>
<td><strong>1,114,500</strong></td>
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* In addition to the 268 beds existing in the University Forest Apartments and 300 beds proposed for the future residence hall

Program summary:
- +/- **double** existing and planned non-residential space
- +/- 5 additional **academic buildings**
- New student life and recreation facilities
Parking: Long Term Peak Demand
15,000 Headcount Enrollment

<table>
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<tr>
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<th>PARKING SPACES</th>
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<tr>
<td>Total Projected Long Term Peak Demand</td>
<td>5,440</td>
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<tr>
<td>Existing Parking Supply</td>
<td>3,220</td>
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<tr>
<td>Additional Long Term Need</td>
<td>2,220</td>
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</tbody>
</table>

Parking Assumptions:

- 25% of students living on campus
- One car per two students living on campus
- Limited transit and carpooling
- Limits to regional bicycle and pedestrian network
- Peak demand continues to occur in the evenings
03 Stakeholder Themes and Planning Principles
Welcome to the MyUHCL survey!
“Do you **cross the Bayou** during the day?”

- **NO**: 672
- **YES**: 414

...if so, how?

- **Walk**: 60%
- **Drive**: 35%
- **Bike**: 5%

User roles: Student, Staff, Faculty, Combined
“Which outdoor spaces would you like to see?”

Top survey responses:

#1 Walking/Biking Trails

#2 Gardens

#3 Recreation Fields/Courts
Where do you consider to be the heart of campus life?

“Bayou Building”

“Atria and café”

“Fountain area”

“UHCL doesn’t have a clear “heart” of campus life. While most student services offices are in SSCB, the biggest events and spaces are in Bayou (Atria).”

“Student Lounge”

“I’ve heard a few students say that they don’t even know where Delta and Arbor are...”

“The bell!”
Campus Planning Principles

I. Celebrate the **Natural Environment**

II. Employ **Compact Development** Strategies

III. Enhance **Campus Identity** and **Visibility**

IV. Reinforce the Campus **Land Use** and **Open Space Pattern**
Celebrate the Natural Environment

- Campus is at **natural/urban interface**
- Natural character defines **campus identity** and also provides **educational value**
- **Balance** campus development with environmental protection
- Consider **long term resilience**—flooding, natural disasters, heat
Employ Compact Development

- Use land **efficiently**
- Use density to support **campus character** and promote activity
- **Balance** campus development with environmental protection
- Minimize **parking footprint** though structures and TDM measures
Enhance Campus Identity and Visibility

- Provide thoughtful wayfinding
- Differentiate campus entry characters
- Ensure new buildings and site improvements contribute to the quality and character of the campus setting
- Balance parking convenience and campus character and placemaking
Reinforce Campus Land Use and Open Space Pattern

- Create a **Campus Mall** as a north-south connector through campus
- Concentrate academic and campus life uses **along the Mall**
- Create **activity nodes** near the Bayou for placemaking and to reduce the perceived distance across
- Create student **neighborhoods**
04 Preliminary Concepts
Campus Mall
Concept Alternative
Campus Mall
Iconic Quads
Concept Alternative
Iconic Quad/Green
Linked Intimate Open Spaces
05 Draft Master Plan
Primary Building Use

- Academic program organization
- Residential neighborhoods - first year and upper division
- Campus life uses and One Stop/Welcome Center
- Athletics and Recreation
- EIH relocation
Landscape Types

- Campus Malls
- Courtyards and Plazas
- Recreation Fields and Courts
- Paths and Trails
- Bayou Habitat
- Forest
- Parking and Circulation
- Utility Corridors
Vehicular Circulation

- Entrance hierarchy/identity
- Completed loop road
- Primary parking access
Parking and Transportation Demand Management

- Structured parking- 5 levels each
- Concentrate parking close in to the campus and where it is most needed (avoid sensitive areas)
- TDM strategies could reduce parking demand- transit, shuttle, carpooling priority, financial incentives, ride share, bicycle and pedestrian infrastructure
Bicycle and Pedestrian Circulation

- Primary N-S bicycle route—separated path along University Drive to the Mall
- Bikes are accommodated on all campus streets
- Continuous N-S pedestrian movement with shaded walkways
- Improved Bayou crossing
- Connections to nature trails
Infrastructure: Stormwater

- Work with natural surface drainage patterns to avoid building costly storm drains.
- Capture the first one inch of stormwater for temporary storage and water quality treatment.
- Return treated stormwater water to the Bayou.
- Integrate stormwater management into the campus landscape.
Campus Districts

North Mall
Bayou Crossing
South Mall
North Mall
Bayou Crossing

Existing

Proposed
South Mall
## Preliminary Phasing Concept

<table>
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<tr>
<th>Phase</th>
<th>Total Student Enrollment</th>
<th>New Academic and Campus Life SF</th>
<th>New Beds/Total Beds*</th>
<th>New Parking/Total Parking</th>
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<tbody>
<tr>
<td>One (0-5 yrs)</td>
<td>10,200</td>
<td>278,000</td>
<td>800 / 1,360</td>
<td>560 / 3,770</td>
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<tr>
<td>Two (5-10 yrs)</td>
<td>11,800</td>
<td>278,000</td>
<td>800 / 2,160</td>
<td>560 / 4,330</td>
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<tr>
<td>Three (10-20 yrs)</td>
<td>15,000</td>
<td>556,000</td>
<td>1,590 / 3,750</td>
<td>1,110 / 5,440</td>
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</table>

* Includes the 268 beds existing in the University Forest Apartments and 300 beds proposed for the future residence hall
Phasing Concept: Existing & Planned
Phasing Concept: Phase 1 (0-5 years)

- Improved entrances
- Improved Bayou crossing for pedestrians and bikes
- North Mall landscape
- Academic buildings, including STEM II and One Stop/Welcome Center on the North Mall
- Campus life addition to Arbor
- Replacement EIH building
- New upper division housing
- New and replacement surface parking
Phasing Concept: Phase 2 (5-10 years)

- Campus Center
- Open space and trail improvements along the Bayou
- South Mall landscape with new academic building
- Recreation and athletics building on the South Mall
- New housing on the north and south sides of campus
- First parking garage (1,100 spaces)
- New recreation field north of STEM building
Phasing Concept: Final Build-Out (10-20 years)

- Second parking garage (1,100 parking spaces)
- Final infill of academic and residential buildings
- New access drive off Space Center Blvd
- New recreation fields at the south end of campus
06 Design Guidelines
Design Guidelines: Topic Areas

I. Campus Design
II. Architecture
III. Landscape and Open Space
IV. Identity and Wayfinding
Design Guidelines: Campus Design

ELEMENTS:

- Building Orientation and Placement
- Ground Level Treatment
- Setbacks and Build-to Lines
- Height and Massing
- Site Development Impact
Design Guidelines: Campus Design

ELEMENTS:

• Building Orientation and Placement
• Ground Level Treatment
• Setbacks and Build-to Lines
• Height and Massing
• Site Development Impact
Design Guidelines: Architecture

ELEMENTS:

• Entrances
• Façades and Fenestration
• Roofs
• Building Materials
• Service and Mechanical Screening
• Parking Structures
Design Guidelines: Landscape and Open Space

ELEMENTS:

• Campus Mall
• Courtyards and Plazas
• Natural Areas and Buffers
• Paths and Trails
• Streets and Driveways
• Surface Parking Lots
• Stormwater management
• Plant Palette
• Maintenance
Design Guidelines: Identification and Wayfinding

PRINCIPLES:

• Design the wayfinding system as a coordinated family of elements
• Establish clear hierarchy and nomenclature for clarity and consistency
• Provide useful information when and where it is needed
• Create a memorable and iconic arrival experience to the campus that celebrates the unique aspects of the physical place, visually engaging Bay Area Blvd to promote the University’s presence
• Promote campus legibility to all campus users – visitors, students, faculty, staff, administration, and the broader community
• Ease of implementation and maintenance

ELEMENTS:

• Information Hierarchy & Nomenclature
• System Scale / Sign Type Families
• Aesthetic Direction / Look & Feel
• Campus Identity & Brand Integration
• Campus Entrances / Arrival Experience
Entrance & Arrival Experience

• Existing directions send most visitors to the University Drive Entrance (Entrance 1)

• Existing directions lead visitors to the University Drive Entrance (Entrance 1) from the south, and to the Bayou Road Entrance (Entrance 2) from the north, emphasizing the need for visibility from those approaches

• The amount of traffic and differentiation of user groups may inform a hierarchy of entrance identification in addition to character distinctions, establishing a greater and more welcoming presence at the campus’ primary entry points

• Opportunity to consider North and South campus organization and entrance naming which could aid in orientation and better serve direction sets
Unified Integrated System

Fully unified, integrated system: defines the campus clearly and visibly, promoting a sense of place and the UHCL brand. An increase in human-scale elements extends the usability of the pedestrian wayfinding, and offers further clarity for new visitors and students. Unified regulatory signage makes the campus a defined zone separate from the city surroundings.
Entrance Formal Studies
Option 1

- Large-scale, low profile installations with small footprint monoliths
- Increase visibility over distance for both higher speed and congested traffic conditions
- The University Drive entrance becomes a gateway with a monument flanking both sides of the entrance
- The Bayou Road entrance monument lies perpendicular to the street frontage to improve viewing angles from multiple directions
07 Pearland Campus
Pearland Site Analysis

- Site currently has high development capacity
- Potential synergies with adjacent City of Pearland development parcels
- Opportunities to connect to future regional trail system
Pearland Development Opportunities

- At the same growth rate as Clear Lake campus, Pearland only needs one additional building
- Parking (including new 66 spaces with the planned development) is sufficient for long term demand
- Future development may occur to the south end of the site
Pearland Site Analysis

<table>
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<th></th>
<th>.33 FAR</th>
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<tbody>
<tr>
<td>Potential Site Capacity</td>
<td>556,000 GSF</td>
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Existing building: 30,000 GSF

New Health and Sciences Building: 69,000 GSF

Potential additional program: 457,000 GSF
Design Principles: Pearland

- Organize building around a central open space
- Organize campus development and circulation to prioritize comfortable pedestrian movement through scale, shading, wayfinding, and land use
- Create and preserve important future connections to nearby parcels and trail network
- Create intimate “outdoor rooms” to supplement the central open space
08 Next Steps
Draft Plan Next Steps

• Integrate final comments into Draft Plan
• Subcommittee to review of Design and Wayfinding Guidelines
• Executive Steering Committee to review of Draft Report in September
• Final Report