WHY WE’RE HERE...
Aligning the zoning district designation to reflect the current use

EXISTING ZONING: RM-M
(residential, multi-unit, moderate density)

PROPOSED ZONING: EMI
(educational, medical, institutional)

R1D-VL: Single-Unit Detached
R2-L: Two-Unit Residential, Low Density
RM-M: Multi-Unit Residential, Moderate Density
RP: Residential Planned
LNC: Local Neighborhood Commercial
Historic District

R1D-VL: Single-Unit Detached
R2-L: Two-Unit Residential, Low Density
RM-M: Multi-Unit Residential, Moderate Density
RP: Residential Planned
LNC: Local Neighborhood Commercial
EMI: Educational, Medical, Institutional
MUP Boundary
University-owned property not included in MUP/EMI
INSTITUTIONAL MASTER PLAN (IMP)

IMP chapters are defined by the City of Pittsburgh, Department of City Planning Guidelines

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Today’s Focus

Goals of the Institution
10-Year Development
Infrastructure Plan
Mobility Plan
In order to sustain another 150 years of growth, innovation, and impact, Chatham has created a vision for our campus and built environment that will enhance the lives of our community members.
Chatham University’s Strategic Plan is a plan for our future, rooted in our past, and inspired by our Mission and Vision.

Chatham will build upon our mission of creating educational opportunities and transforming lives through access, equity, health, and sustainability as we:

1. Enhance academic excellence and the student experience
2. Expand Chatham’s leadership in sustainability and health
3. Improve access and affordability through innovation
4. Deepen partnerships for student and alumni success
5. Build University capacity and capabilities

Our Institutional Master Plan exists as an extension of our Strategic Plan.
MASTER PLANNING PROCESS
Establishing a master plan to guide future campus development under the EMI District

Information Gathering
Analysis and Concept Design
Community Feedback with Squirrel Hill Urban Coalition (SHUC), Shadyside Action Coalition (SAC), and Woodland Road Association (WRA)
IMP Report Development
City Planning Submission and Document Review
We Are Here
City of Pittsburgh & Squirrel Hill Urban Coalition Development Activities Meeting
Next Steps...
Planning Commission Briefing and Hearing

Stakeholder Interviews
Master Plan Development
Transportation Impact Study (TIS) Pursued
Department Of Mobility and Infrastructure TIS Review
City Council Review and Approval of Master Plan and Zoning Change
### CHATHAM’S GROWTH GOALS

Continue enrollment growth over the next 10 years

#### CURRENT CONDITIONS

**2017-2018 SCHOOL YEAR**

- **1,850 Students**
  - 1,033 Undergraduate
  - 818 Graduate
  - 600 Faculty and Staff
- **435 acres**
- **1,100,000 sf across 50 buildings**
- **761 Dormitory beds**
- **1,281 parking spaces**

#### 10-YEAR PROJECTION

- **2,400 Students**
  - 1,400 Undergraduate
  - 1,000 Graduate
  - 700 Faculty and Staff
- **(unchanged)**
- **1,200,000 sf across 52 buildings**
- **1,064 Dormitory beds**
  - (1,001 on Shadyside Campus)
- **1,292 parking spaces**

---

**Cont.**

Continue enrollment growth over the next 10 years.
CAMPUS PLANNING CONCEPTS

Three key themes in campus planning and design over the next 10 years

CONNECT AND ENHANCE FIFTH AVENUE

STRENGTHEN THE CAMPUS CORE

INCREASE PEDESTRIAN SAFETY AND PROMOTE ALTERNATIVE TRANSPORTATION
CONNECT AND ENHANCE FIFTH AVENUE

Improve streetscape and strengthen pedestrian connections to the Historic Quad
CONNECT AND ENHANCE FIFTH AVENUE

Improve the pedestrian experience and bring the arboretum character to Fifth Avenue
CONNECT AND ENHANCE FIFTH AVENUE

Restore the historic Thomson House at the gateway to campus
STRENGTHENING THE CAMPUS CORE
Great indoor / outdoor relationships foster vibrancy

- Campus Connections
- Framing Open Space
- Connecting Quads

Strengthen connections to Fifth Avenue district
New sense of arrival
Ground floor transparency
STRENGTHENING THE CAMPUS CORE
Build upon the historic campus assets while increasing indoor / outdoor connections

ENHANCE LEARNING ENVIRONMENTS

BOOKENDING BUHL
Increase Lab space and strengthen paths to Fifth Avenue residences

FOCUSING FALK
Open the first floor with new student activity spaces. Create new classrooms and connect the Quad.

JENNIE KING MELLON LIBRARY AND CONNECTOR
First floor renovations to create student-centered services and classroom connector between Carriage House and Dilworth

IMPROVE AND INCREASE STUDENT HOUSING

DOUBLING DILWORTH
Increasing student activity at the center of campus by adding 75 beds

BEATTY RESIDENTIAL
Convert Beatty to a residence hall with 30 beds

FIFTH AVENUE RESIDENTIAL
Renovate apartment buildings and site to create great undergraduate dormitories

STRENGTHEN STUDENT LIFE

ANDERSON CONNECTOR:
Renovate and expand dining area in and around Anderson

AMPLIFY ATHLETICS:
Increase athletic facilities and strengthen connection to student life amenities

CAMPUS CHARACTER AND SYSTEMS:
Improve open spaces and pedestrian connections between buildings. Improve infrastructure and systems to promote sustainability and technology.
ANDERSON DINING HALL
Enhancing student life at the center of campus
BUHL LAB EXPANSION
Increasing lab capacity and strengthening connection to Fifth Avenue housing
IMPLEMENTATION PLAN

Anticipated timeline of projects

MAP LEGEND

- Near Term
- Medium Term
- Future Term
- Open Space improvements

University-owned property not included in IMP / EMI

126 N Woodland Road

115 Woodland Road
**EXISTING GREEN INFRASTRUCTURE**

- Rachel Carson Memorial Garden helps to reduce runoff towards Fifth Avenue.
- Rea House Rain Barrel installation of rain barrel infrastructure to capture rooftop runoff and for watering the surrounding garden.
- Permeable Paving replaced parking lot asphalt paving.
- Athletic Field permits water infiltration, storage, and release after rain events.
- Rain Garden installed adjacent to Dilworth Hall to reduce runoff.

**POTENTIAL GREEN INFRASTRUCTURE**

- Chapel Hill. Proposed BMP to include sub-catchment drain to terraced bio-retention wetland in central lawn area. Part of the PWSA/Aicosan GROW program.
- Quad Reconstruction. Existing area is composed of a shallow layer of soil over impermeable pavement. The goal is to remove the underlying impermeable surface and incorporate green infrastructure.
- Fifth Avenue. Proposed rain gardens and other BMP to address runoff from the hillside and from the Terrace Parking Lot.
- Beatty House. Opportunities for retrofitting parking lots with permeable paving and complementary rain gardens.

**View of Chapel Hill from the Campbell Memorial Chapel**

**Proposed Chapel Hill BMP**

**MAP LEGEND**

- Lighter color indicates BMP catchment area
- Darker color indicates BMP

**Universi**
EXISTING MOBILITY INFRASTRUCTURE

Understanding pedestrian and vehicular circulation

EXISTING PEDESTRIAN CIRCULATION

EXISTING VEHICLE, BUS, SHUTTLE, AND BIKE CIRCULATION

MAP 8.1.1 LEGEND (THIS PAGE)
- Existing Path
- Existing Accessible Entry
- University-owned property not included in UMP / EMM

MAP 8.1.2 LEGEND (RIGHT)
- Major Arterial
- Avenue
- Bike Share
- Bike Lane
- Traffic Signal
- Campus Gateway
- Crosswalk
- Bus Stop
- Shuttle Stop
- Shuttle Route
EXISTING COMMUTING PATTERNS
Transportation survey results

TRANSPORTATION SURVEY
- Employee
- Graduate
- Undergraduate

SURVEY PARTICIPANTS
517 Responses

- Employees: 43%
- Undergraduate, part time: 33%
- Graduate student, evening program: 1%
- Undergraduate, full time: 15%
- Graduate student, other (full time, part time, online): 6%
- Other: 2%

TRANSPORTATION SURVEY RESULTS
- Live on campus, walk: 107
- Live off campus, walk: 14
- Drive + Park On-Campus: 71
- Drive + Park in Private Lot/Garage (With Lease): 31
- Drive + Park in Private Lot/Garage (Without Lease - Paid Hourly or Daily Parking Rate): 14
- Transit (Bus or Light Rail): 12
- Registered Carpool or Vanpool: 9
- Dropped Off/Picked Up by Friend, Relative, Uber/Lyft, etc.: 5
- Walk: 22
- Bike: 5
- Other: 25
Capturing traffic flow and volume at peak times

Legend:
- Unsignalized Study Intersection
- Signalized Study Intersection

Site Location and Study Intersections
In 2029 intersections continue to have a high level of service with projected growth.
PROPOSED MOBILITY STRATEGIES
Enhance safety, increase connections, and reduce vehicular traffic

MARYLAND AVENUE

HIGHLAND AVENUE

MAP LEGEND
- Building
- Mobility Improvements
- Valet parking
- Relocated parking
- Enhanced connections
- TIS intersections studied
- University-owned property not included in IMP / EMI

Improved pedestrian crossing
Reconfigure parking along Fifth Ave. Add a small lot behind Thomson
Continue use of valet in parking lot at peak
Enhance accessibility with building additions and renovations
MURRAY AND WILKINS RECOMMENDATIONS
Pedestrian signal, curb extension, and crosswalks
### DEMAND MANAGEMENT

Promoting alternative transportation through activities and incentives

<table>
<thead>
<tr>
<th>TDM Strategy</th>
<th>Implementation?</th>
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</thead>
<tbody>
<tr>
<td>1. Prohibit freshman students from parking on campus.</td>
<td>✓ ✓</td>
</tr>
<tr>
<td>2. Limit the number of employee leases sold/issued per semester.</td>
<td>✓ ✓</td>
</tr>
<tr>
<td>3. Establish a wait list for parking leases for employees.</td>
<td>✓ ✓</td>
</tr>
<tr>
<td>4. Provide electric vehicle charging spaces on the campus.</td>
<td>✓ ✓</td>
</tr>
<tr>
<td>5. Provide (more) electric vehicle charging spaces.</td>
<td>✓ ✓</td>
</tr>
<tr>
<td>6. Limit the number of student leases sold/issued per semester.</td>
<td>✓ ✓</td>
</tr>
<tr>
<td>7. Establish a wait list for parking leases for students.</td>
<td>✓ ✓</td>
</tr>
<tr>
<td>8. Provide free transportation passes for the Port Authority of Allegheny County to all employees and students.</td>
<td>✓ ✓</td>
</tr>
<tr>
<td>9. Use valet parking in the lots for peak demand times.</td>
<td>✓ ✓</td>
</tr>
<tr>
<td>10. Offer rideshare/carpool/vanpool matching for employees (coordinate with Southwestern Pennsylvania Commission).</td>
<td>-- ✓</td>
</tr>
<tr>
<td>11. Promote increased biking to campus, related to (increased) on-campus bicycle parking, bicycle room, additional Healthy Ride station(s).</td>
<td>✓ ✓</td>
</tr>
<tr>
<td>12. Provide (additional) telecommuting opportunities for employees (such as Zoom-type meetings).</td>
<td>✓ ✓</td>
</tr>
<tr>
<td>13. Evaluate modifications to the class schedule to decrease the number of classes scheduled at one time.</td>
<td>-- ✓</td>
</tr>
<tr>
<td>14. Implement Bike to Work program - Chatham provides free bike and bike repair shop to all participants.</td>
<td>✓ ✓</td>
</tr>
<tr>
<td>15. Add more secure bike parking locations.</td>
<td>-- ✓</td>
</tr>
<tr>
<td>16. Create a shuttle app with real time GPS tracking of shuttles. Begin to incorporate Port Authority of Allegheny County routes.</td>
<td>✓ ✓</td>
</tr>
<tr>
<td>17. Appoint a TDM coordinator whose responsibilities include:</td>
<td>-- ✓</td>
</tr>
<tr>
<td>- Provide information on TDM measures available to employees and students (during new employee/student orientation, general employee meetings, student body meetings, via email/newsletter/website).</td>
<td></td>
</tr>
<tr>
<td>- Prepare report for submission to the City documenting progress on reduction of single occupant vehicles periodically.</td>
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<tr>
<td>- Establish and maintain access via the Chatham University website to provide information on TDM measures available.</td>
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<tr>
<td>- Administer shuttle service.</td>
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</tr>
</tbody>
</table>
THANK YOU!

Today’s presentation and the draft master plan will be posted at www.chatham.edu/masterplan

impact, Chatham has created a vision for our campus and built environment that will enhance the lives of our community members.

Our master plan exists as an extension of our Strategic Plan.

Developed over a two-year period with input from a variety of campus and external stakeholders, our new Master Plan serves as the foundation for the expansion and evolution of Chatham’s Pittsburgh campus in the years to come. Our campus plan aims to not only accommodate the Chatham community but the greater Pittsburgh community as a whole, taking into account resource priorities and academic goals.

We’re excited to share the possibilities of Chatham’s next era with you here.

www.chatham.edu/masterplan