CAMPUS MASTER PLAN
How can our campus master plan help Marquette be among the most innovative and accomplished Catholic and Jesuit Universities in the world?
Marquette University – Transformative Experience
Steering Committee

Mel Austin  
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Kate Braasch  
Mike Broeker  
Bill Cullinan  
Chris Gluesing  
Mike Jahner  
Jeff Janz  
Joseph Kearney  
Kathy Lang  
Marya Leatherwood  
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Aliya Manjee  
Aaron Tyler McCoy  
Tim Melchert  
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Rev. Nicholas Santos
Working Group Participants

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Dennis Daye
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Dale Kaser
Nicholas La Joie
Jodi Sagan
Mark Simonson
Tom Teipel
Lora Strigens
Lauren Jones
Mike Jahner
Chris Gluesing
Greg Adams
What informs our master plan recommendations?

- University shared vision
- Utilization & space needs
- Facilities condition
- Campus analyses
- Strategic & academic plans
AN INTEGRATED PLAN
Master Plan Participation by the Numbers

- 10 working groups, 9+ meetings each
- 14+ consultant campus visits
- 642 student survey responses
- Countless phone calls, Web conferences, online training, focus groups, community breakfasts
- Over 250 participants at every campus open house and forum
<table>
<thead>
<tr>
<th>LAUNCH</th>
<th>DISCOVER</th>
<th>PROTOTYPE &amp; REFINE</th>
<th>IMPLEMENT</th>
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<tbody>
<tr>
<td>Process and Vision</td>
<td>Analysis</td>
<td>Alternatives, Refinements</td>
<td>Documentation</td>
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<tr>
<td>Organization</td>
<td>Measures of Success</td>
<td>Alternatives</td>
<td>Illustrative Graphics</td>
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<tr>
<td>Data Collection</td>
<td>Analyze Existing Campus</td>
<td>Refinements</td>
<td>Master Plan Reports</td>
</tr>
<tr>
<td>Define Stakeholders</td>
<td>Facilities Assessment</td>
<td>Phasing</td>
<td>Facilities Planning Tool</td>
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<tr>
<td>Initiate Working Groups</td>
<td>Space Needs</td>
<td>Cost Model</td>
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<td>Framework</td>
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</table>

- Campus Workshops
- Consultant Campus Visits
ACHIEVING BEYOND BOUNDARIES

Preserve
Enhance
Transform

Marquette University
Campus Boundaries
Working Groups

Steering Committee

- Student Experience
- Facilities & Infrastructure
- Campus Environment
- Research & Innovation
- Campus Support & Admin Services
- Sustainability
- Fiscal Stewardship
- Outreach & Engagement
- Teaching & Learning
- Health & Wellness
Working Group Priorities

Teaching and Learning

✓ Create more active learning classrooms and invest in science-based teaching labs
✓ Provide more collaborative spaces in all building types
  o Provide classrooms, labs, and clinical areas beyond the main campus

✓ Embedded in master plan
  o Additional study needed
  ✓ Recommend policy for implementation
Working Group Priorities

Research and Innovation

✓ Construct new Integrated Science Research Facility
   (biological/biomedical sciences, physics, animal facility)

➢ Embed innovation components into all relevant initiatives

✓ Link engineering, product development, advanced manufacturing, and business

✓ Embedded in master plan
  ○ Additional study needed
  ➢ Recommend policy for implementation
Working Group Priorities

Student Experience

✓ Improve undergraduate housing and dining
✓ Realign and expand AMU
  ○ Locate grocery store in proximity to or on campus

✓ Embedded in master plan
  ○ Additional study needed
  ➢ Recommend policy for implementation
Working Group Priorities

Health and Wellness

✔ Construct new Recreation & Wellness Center

〇 Provide outdoor spaces to support club sport, intramurals, recreational activities and wellness

➢ Shape environment to create a culture of wellness and build campus community

✔ Embedded in master plan
〇 Additional study needed
➢ Recommend policy for implementation
Working Group Priorities

**Sustainability**
- Determine best options for Marquette to reduce its carbon footprint
- Determine best options for Marquette to responsibly maintain existing, and create new facilities
- Determine best options for Marquette to responsibly manage water

- Embedded in master plan
- Additional study needed
- Recommend policy for implementation
Working Group Priorities

Campus Support & Administrative Resources

- Add new large meeting spaces and better utilize current meeting spaces
- Determine structured shipping/receiving locations and policies
  - Expand and better manage storage space (on and off campus)

- Embedded in master plan
- Additional study needed
- Recommend policy for implementation
Working Group Priorities

Outreach and Engagement

✓ Increase capacity to support student and guest engagement through programming, gathering, and activities
✓ Improve the visitor experience
✓ Better define campus edges in a manner that conveys Marquette’s identity

✓ Embedded in master plan
○ Additional study needed
➢ Recommend policy for implementation
Working Group Priorities

Campus Environment

- Large Scale – connect south Academic quad and the north Student Life Quad
- Medium Scale – Arts District and Innovation/Collaboration District
- Small to Medium Scale – mixed uses, gathering spaces, welcoming spaces

- Embedded in master plan
  - Additional study needed
  - Recommend policy for implementation
Working Group Priorities

Facilities and Infrastructure

- Consider life cycle cost modeling as part of the design process
- Create physical space standards and guidelines
- Plan for and fund infrastructure renewal and expansion

- Embedded in master plan
  - Additional study needed
  - Recommend policy for implementation
Working Group Priorities

Fiscal Stewardship

✓ Prioritize projects transparently and objectively, based on:
  ✓ Proposed project’s impact on enrollment
  ✓ Reasonableness of cost
  ✓ Ability of the project to enhance specific strategic master plan goals
  ✓ Age and condition of the facility, and
  ✓ Impact on space utilization

✓ Embedded in master plan
  o Additional study needed
  ✓ Recommend policy for implementation
Inventory and Analysis

- Academic
- Research
- Benchmarking
- Housing
- Dining
- Urban Design
- Circulation
- Facilities Assessment
- Landscape
- Faith
- Utilities
Utilization

Percent of Classrooms In Use

Monday

Wednesday

Friday

Tuesday

Thursday

Scheduled Classroom Use by Day and Time (Fall 2014)
(Darker colors indicate a large percentage of rooms are scheduled.)

<table>
<thead>
<tr>
<th>Time of Day</th>
<th>Monday Rooms in Use</th>
<th>% In Use</th>
<th>Monday Rooms in Use</th>
<th>% In Use</th>
<th>Monday Rooms in Use</th>
<th>% In Use</th>
<th>Wednesday Rooms in Use</th>
<th>% In Use</th>
<th>Wednesday Rooms in Use</th>
<th>% In Use</th>
<th>Friday Rooms in Use</th>
<th>% In Use</th>
<th>Friday Rooms in Use</th>
<th>% In Use</th>
<th>Average Rooms in Use</th>
<th>% In Use</th>
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<tbody>
<tr>
<td>8:00 AM</td>
<td>54</td>
<td>34%</td>
<td>56</td>
<td>35%</td>
<td>59</td>
<td>24%</td>
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<td>31%</td>
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<tr>
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<td>67</td>
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<td>71</td>
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<tr>
<td>12:00 PM</td>
<td>89</td>
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<td>87</td>
<td>54%</td>
<td>81</td>
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<tr>
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<td>78</td>
<td>48%</td>
<td>75</td>
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<td>78</td>
<td>49%</td>
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<td>101</td>
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<td>3:00 PM</td>
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<td>7:00 PM</td>
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<td>25%</td>
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<td>19%</td>
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</tbody>
</table>

Total classrooms = 161
Current and Future Space Needs
Research Analysis

Expenditures by Field

<table>
<thead>
<tr>
<th>Field</th>
<th>Expenditures</th>
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<tbody>
<tr>
<td>Life Sciences, $7.8M, 37%</td>
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<tr>
<td>Engineering, $4.3M, 21%</td>
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<tr>
<td>Social Sciences, $8.0M, 2%</td>
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</tr>
<tr>
<td>Psychology, $9.2M, 1%</td>
<td></td>
</tr>
<tr>
<td>Physical Sciences, $2.5M, 12%</td>
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</tbody>
</table>

Source: National Science Foundation FY 2013

Expenditures by Institution

<table>
<thead>
<tr>
<th>Rank</th>
<th>Institution</th>
<th>Expenditures</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Stanford University</td>
<td>$1.28B</td>
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<tr>
<td>2</td>
<td>Massachusetts Institute of Technology</td>
<td>$1.21B</td>
</tr>
<tr>
<td>3</td>
<td>Harvard University</td>
<td>$1.20B</td>
</tr>
<tr>
<td>4</td>
<td>University of California, Berkeley</td>
<td>$1.19B</td>
</tr>
<tr>
<td>5</td>
<td>University of Chicago</td>
<td>$1.17B</td>
</tr>
</tbody>
</table>

Total Expenditures for All Research Fields: $7.6B

Expenditures by Field

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Source: National Science Foundation FY 2013
Priority Need

Create the appropriate quality and quantity of space to support doubling research expenditures
Student Life Analysis

Areas of Focus:
- Housing
- Recreation
- Dining
- AMU

Analysis Methods:
- Housing Demand Analysis
- Market Studies
- Student Focus Groups and Surveys
Building Age
Facility Condition Index
Infrastructure

Steam

Chilled Water

Electrical Power

Telecommunications

Potable Water

Sanitary and Storm Water
Online Facility Data Tool
OPENSPACE
INVENTORY & ANALYSIS

CAMPUS OPENSPACE
MEMORABLE & WELL USED
ADEQUATE & USED
ADEQUATE & UNDERUSED
Parking

Occupancy

- 3,047 at 10:59am
- 3,158 at 12:30pm
- 2,967 at 3:00pm

Permit Distribution

- Student Commuter: 750 (11%)
- Faculty/Staff: 1,436 (23%)
- 24-Hour: 1,112 (29%)
- Other: 306 (9%)
- Student Evening: 162 (4%)
- University Vehicles: 116 (3%)
- Faculty/Staff (Evening): 104 (3%)

3,518 parking spaces in inventory.
Walking and Biking

Pedestrian/Vehicle Conflicts
ACHIEVING BEYOND BOUNDARIES

Interior Chapels
Reflective and Gathering Open Space
Reflective Sculpture

Faith
What criteria are used to prioritize decisions?

- Mission Driven
- Recruitment
- Targeted Academics and Research
- Future Focused
- Interdisciplinary
- Balanced Students
- Fiscally Responsible
- Investment
- Distinguished
- Long View
- Community
- Engaging and Beautiful
Academics & Research

Building Initiatives
1. BioDiscovery District
2. Innovation Alley
3. Old Gym Conference Center
4. Cross-College Classroom Building
5. Straz Hall Renovation
6. Helfaer Theatre Addition
7. Haggerty Art Museum Addition
8. Innovation Hub
9. Athletic Performance Research Center
Achieving Beyond Boundaries

Innovation

Alley

INNOVATION • ENGINEERING • SCIENCE • RESEARCH • BUSINESS • COLLABORATION
**BioDiscovery District.** Biological and biomedical sciences – addressing our most urgent global needs
Open Space Initiatives
1. Chapel Lawn
2. Arts Allee
3. Arts District Gateway
4. North Commons
5. Eagle Field
6. Wellness Court

Circulation Initiatives
1. Marquette Walk
2. 18th Street Improvements
3. 17th Street Parking
4. 13th Street Parking
5. 16th and 17th Street Two-Way Conversion
Alumni Memorial Union
Jesuit Residence
Schroeder Hall
Holthusen Hall
Varsity Theater
Zilber Hall
Achieving Beyond Boundaries

Student Life

Building Initiatives
1. Recreation and Wellness Center
2. Alumni Memorial Union Expansion and Renovation
3. Chapel of the Holy Family
4. Schroeder Hall Dining Expansion
5. O’Donnell Hall Renovation
6. New Student Housing
7. APRC
Menomonee Valley
Menomonee Valley

*Example – not actual site or dome structure

*Example – not actual site or dome structure
Recreation and Wellness Center – Holistic approach to health. Home to recreation, wellness, counseling, and medical clinic.
Transformative Student Experience.
High quality residence halls. Emphasis on wellness. Strong community building in innovative environment.
ACHIEVING BEYOND BOUNDARIES