

## 5.0 ACADEMIC & RESEARCH FACILITIES ELEMENT

Projected enrollment growth and the new College of Medicine are a catalyst for growth in academic and research facilities. Because of the tendency for "lag time" in the building planning, funding and design cycles, this process must be tightened and accelerated in order to "catch up" to present needs while also preparing to meet the needs which will exist in 2015.

To ensure optimum departmental adjacencies, interdisciplinary research, and space utilization, and to conserve precious and declining reserves of buildable land, guidelines call for the creation of a more compact "academic core" - as well as the designation of flexible development areas for future academic facilities. (See Figure 5.1: Modesto A. Maidique Campus, Figure 5.2: Engineering Center and Figure 5.3: Biscayne Bay Campus for the location of academic & research facilities.) In response, future academic and research facilities are clustered near existing academic and research facilities to strengthen academic/research zones. Academic and research facility designations include the following: Classroom, Teaching Lab, Research Lab, Library and Mixed-Use.

**GOAL 1: Provide academic and research facilities adequate to support the academic mission, meet needs of projected student enrollment and eliminate facility deficits by the end of the planning period.**

**Objective 1.1 Timing and Phasing:  
By 2015, FIU will phase future academic and research facility development in the following increments by location:**

	<u>Existing (Fall 2008)</u>	<u>2015</u>	<u>Total</u>
<b>UP</b>	1,725,935	559,420	2,252,865 GSF
<b>BBC</b>	331,121	45,200	376,3212 GSF
<b>Total</b>	<b>2,057,056 GSF</b>	<b>604,620 GSF</b>	<b>2,629,186 GSF</b>

Includes classrooms, teaching labs, study areas, and research labs. Accounts for new facilities and renovation and expansion of existing structures.

Based on projects included in the 2005-2015 CIP

**Policy 1.1.1** Apply space use standards in Chapter 6A-2 in determining future academic building programs and in planning the adaptive reuse of existing facilities to ensure optimum utilization of academic facilities.

**Policy 1.1.2** Define building and facility use priorities strictly on the basis of academic need. Specific priorities for development of future facilities, including academic facilities, are described in Capital Improvements

Element Table 14.1. Additional academic facility priorities shall be established strictly on the basis of academic need.

Policy 1.1.3 Eliminate facility deficits by modifying facility programming and funding request procedures as follows:

- Submit facility requests 3-4 years prior to projected need, rather than current need, to accommodate lag time in facility planning, funding, design and construction.
- When planning funds become available, architects prepare a detailed program and use programs to coincide with facility requests and real space needs.

Policy 1.1.4 Unanticipated academic facility development opportunities which are determined to be consistent with the academic mission and current/planned programs shall be accommodated in planned but unassigned future academic buildings.

The Campus Master Plan will be amended as necessary to incorporate any new and unforeseen academic facilities.

Policy 1.1.5 Apply building design and construction criteria to encourage energy efficiency including cost containment guidelines, active and passive solar design features and life cycle (capital and operating) cost analysis.

Policy 1.1.6 Apply building design and construction criteria that supports the Research I status of the University, addressing fully all the special needs associated with research and scientific buildings.

Policy 1.1.7 **BISCAYNE BAY CAMPUS**  
Expansion of the existing physical plant will be considered to service the projected growth and will consider increasing capacity for adequate chilled water for original quadrant expansion.

-Any future installation of buildings, facilities or infrastructure should consider avoidance of potential adverse impact to natural resources

**Objective 1.2** **Locations:**  
**Locate future academic and research facilities to cluster related programs within a compact "academic core".**

Policy 1.2.1 Implement the pattern of academic facility clusters, quadrangles and malls.

### MODESTO A. MAIDIQUE CAMPUS

- Academic expansion sites are located within an academic core and clustered according to primary building usage (see Figure 5.1 Modesto A. Maidique Campus). A research and mixed use cluster is located at the northeast corner of the campus. These future facility locations form a building edge to the proposed academic quadrangle, defined primarily by research/mixed-use building sites on the north and east and teaching lab building facilities on the west.
- Additional building sites, designated as primarily classroom facilities, are located within the academic core, surrounding the existing quadrangle along the Avenue of the Professions. The additional building sites at this location strengthen the edge of this quadrangle, anchored by the Rafael Diaz-Balart Hall on the west and the Green Library on the east.
- A cluster of mixed-use facilities is located at the southern edge of Modesto A. Maidique Campus, near the Stadium and Performing Arts Center. The facilities include classroom and student life support services on the first level with student housing located above these functions.
- Additional building sites for the future Graduate School of Business and the College of Law expansion are located adjacent to the existing School of Business.
- A building site for the future location of the Honors College is located along the Avenue of the Sciences, southwest of Deuxieme Maison.
- Research lab and teaching lab facilities are located on the western edge of the campus.

### ENGINEERING CAMPUS

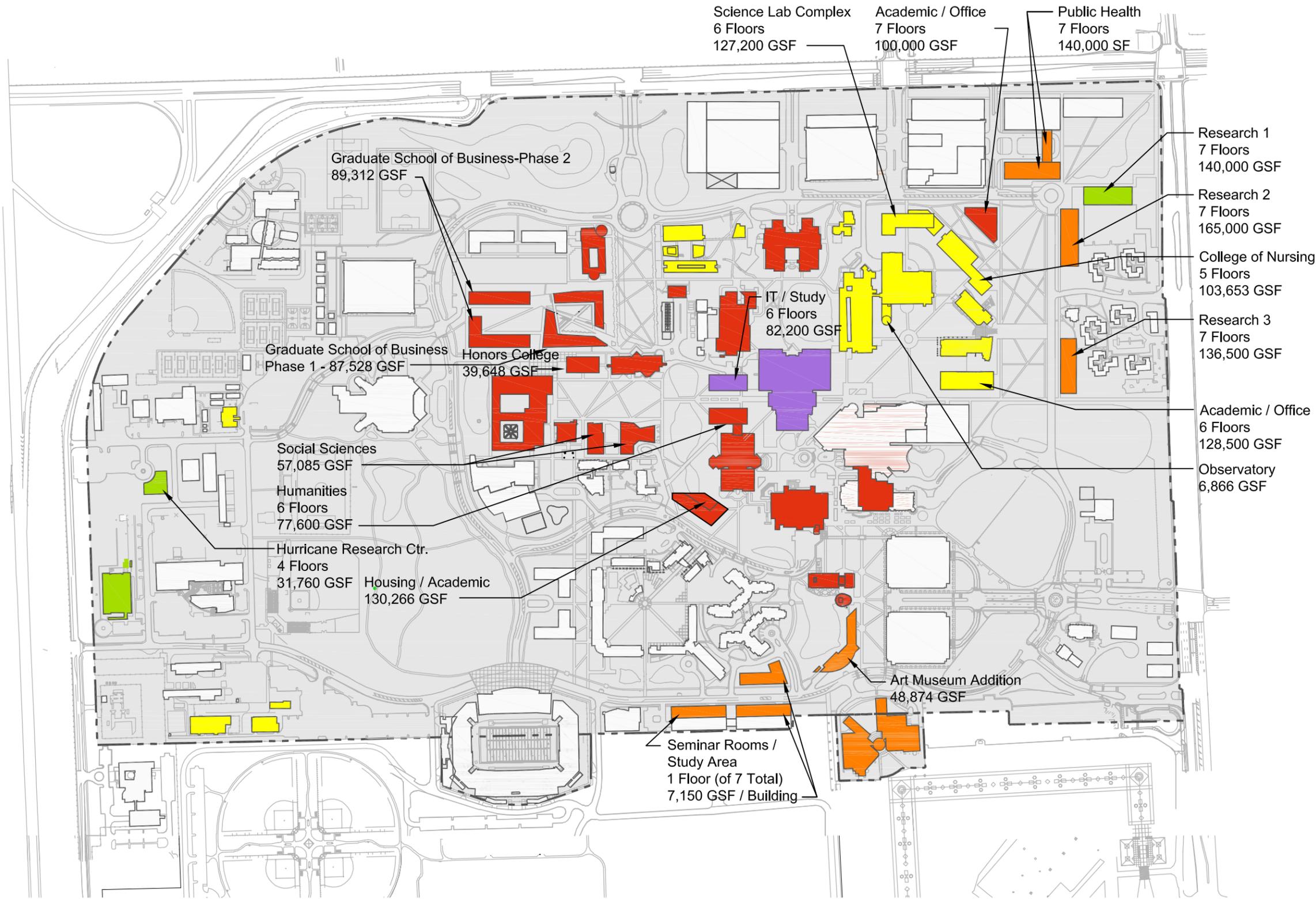
- A future academic and research facility is located adjacent to the existing buildings, defining a central quadrangle. (See Figure 5.2 Engineering Campus)

### BISCAYNE BAY CAMPUS

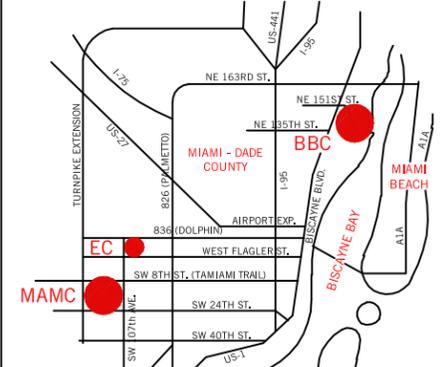
- A future mixed-use academic facility is proposed adjacent to the existing library. The building location strengthens the existing academic quadrangle formed by the Library, Academic One, Academic Two and Hospitality Management.
- A future office/classroom facility is proposed to the south of Academic Two. Aligned with the existing Marine Biology building, the future facility helps to define a secondary academic quadrangle. (See Figure 5.3 Biscayne Bay Campus)

# LEGEND

- Classroom
- Teaching Lab
- Research Lab
- Library
- Mixed-Use



## KEY MAP



**FIGURE 5.1**  
Modesto A Maidique Campus  
Academic & Research  
Facilities



Campus Master Plan - June 2010

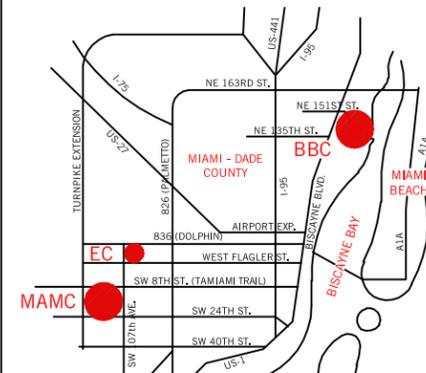




### LEGEND

- Classroom
- Teaching Lab
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- Library
- Mixed-Use

### KEY MAP

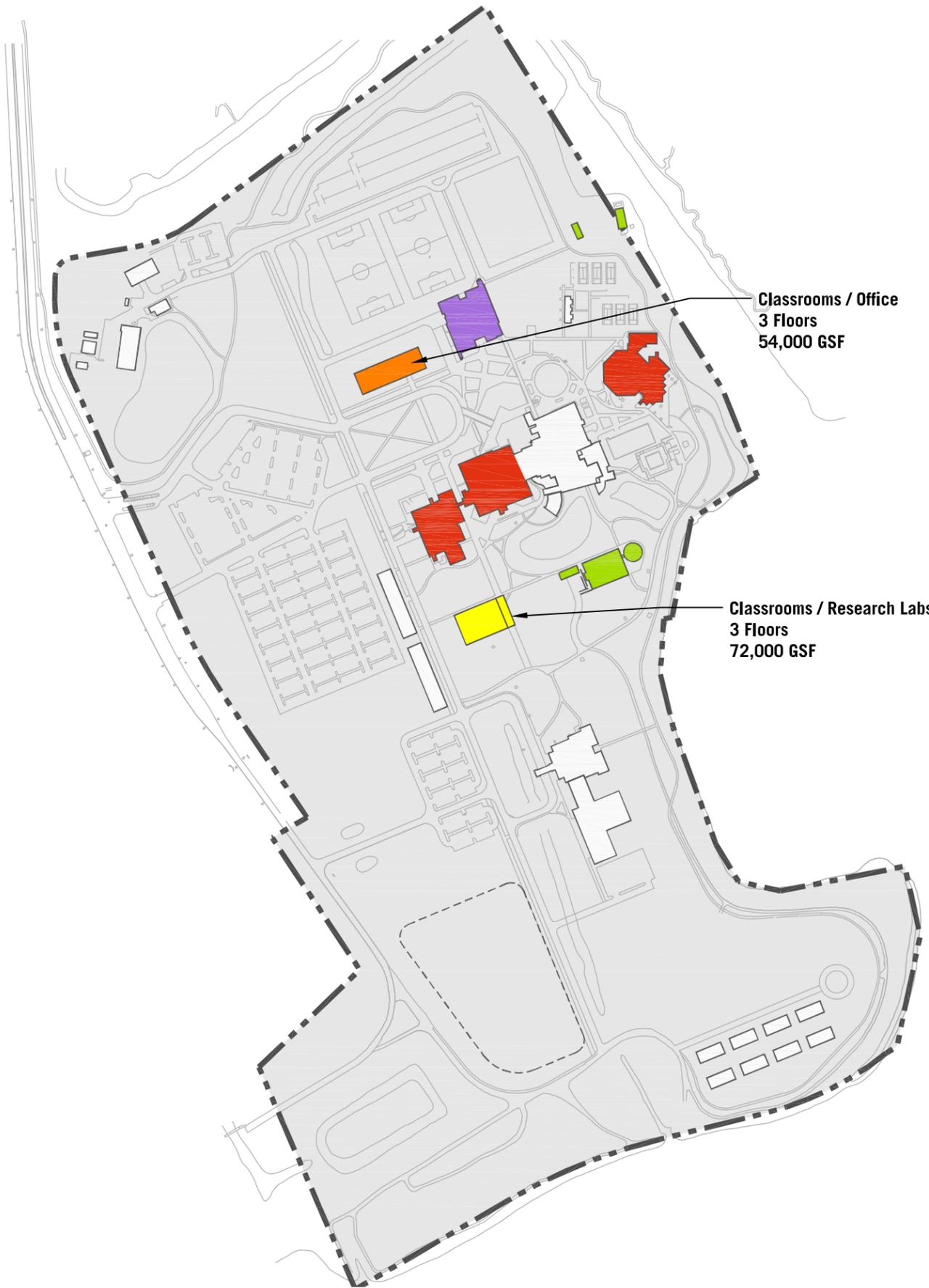


**FIGURE 5.2**  
Engineering Center  
Academic & Research  
Facilities



Campus Master Plan - June 2010

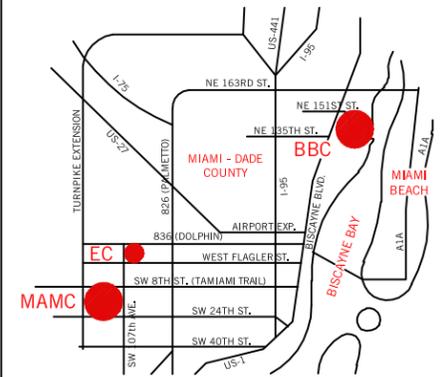




# LEGEND

- Classroom
- Teaching Lab
- Research Lab
- Library
- Mixed-Use

## KEY MAP



**FIGURE 5.3**  
Biscayne Bay Campus  
Academic & Research  
Facilities



Campus Master Plan - June 2010

