

# Prince Frederick Hall

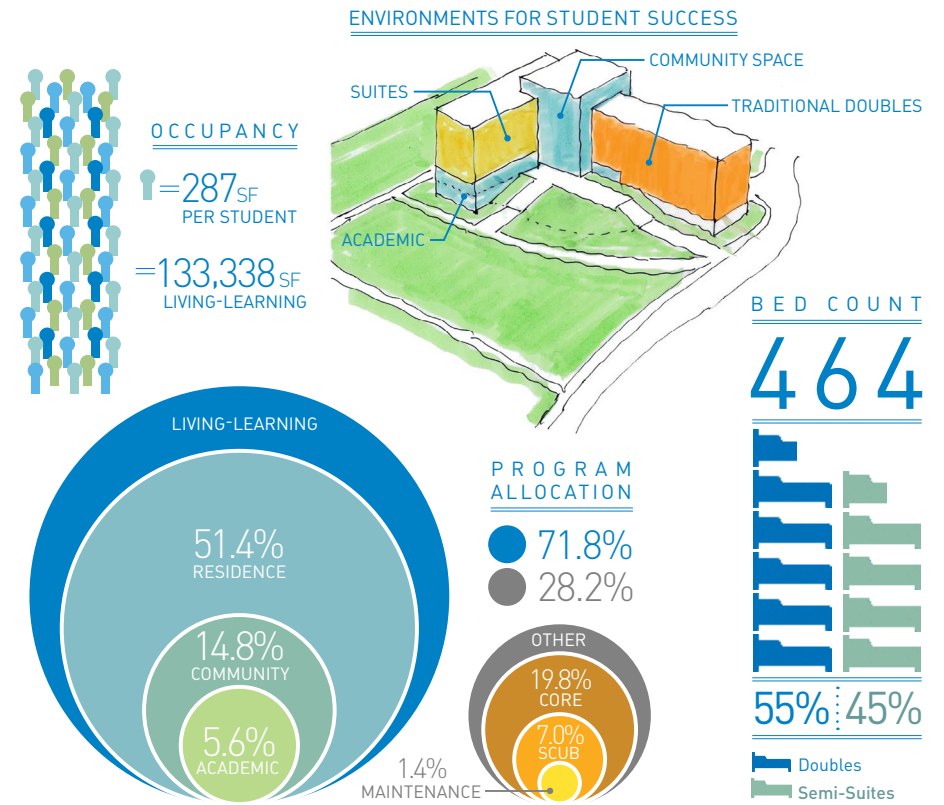
INSTITUTIONAL ARCHITECTURE





## PROJECT SUMMARY

Completed in July 2014, Prince Frederick Hall, an Honors College and student resident facility, is the newest state-of-the-art living-learning community at the University of Maryland. Its sleek, innovative design achieves a residential feel in an institutional setting. This uniquely innovative residential experience is available to students across all four class years, with spaces programmed for both social engagement and academic learning. The newest structure on the Mayer Mall – the second largest green space on campus – Prince Frederick Hall defines a lush quad for passive recreation. Targeting LEED Gold certification, it reflects the University's commitment to sustainability and leadership as a research institution.



**PROGRAM**

Prince Frederick Hall provides 464 beds in a combination of singles, doubles and four-person semi-suites with bathrooms. Approximately half of the residents are housed in traditional double rooms with community bathrooms, while nearly 40% are in four-person semi-suites. A small number of single and double rooms with private baths are available on each floor, along with common areas and gender-neutral bathrooms. This unit matrix was configured to accommodate the integration of freshmen and upperclassmen, resulting in a ratio of 55% and 45%, respectfully. The building includes six study and six social lounges, a multipurpose room and three seminar spaces. It also houses the Advanced Cybersecurity Experience for Students (ACES), one of seven Honors living-learning communities at the University of Maryland.



*Daylighting is an integral strategy in the public and private spaces. It supports sustainability goals, encourages connection to the outdoors, and engenders a residential feel.*

#### UNIVERSITY OBJECTIVES

Our highly collaborative approach allowed us to deliver the University's main objectives:

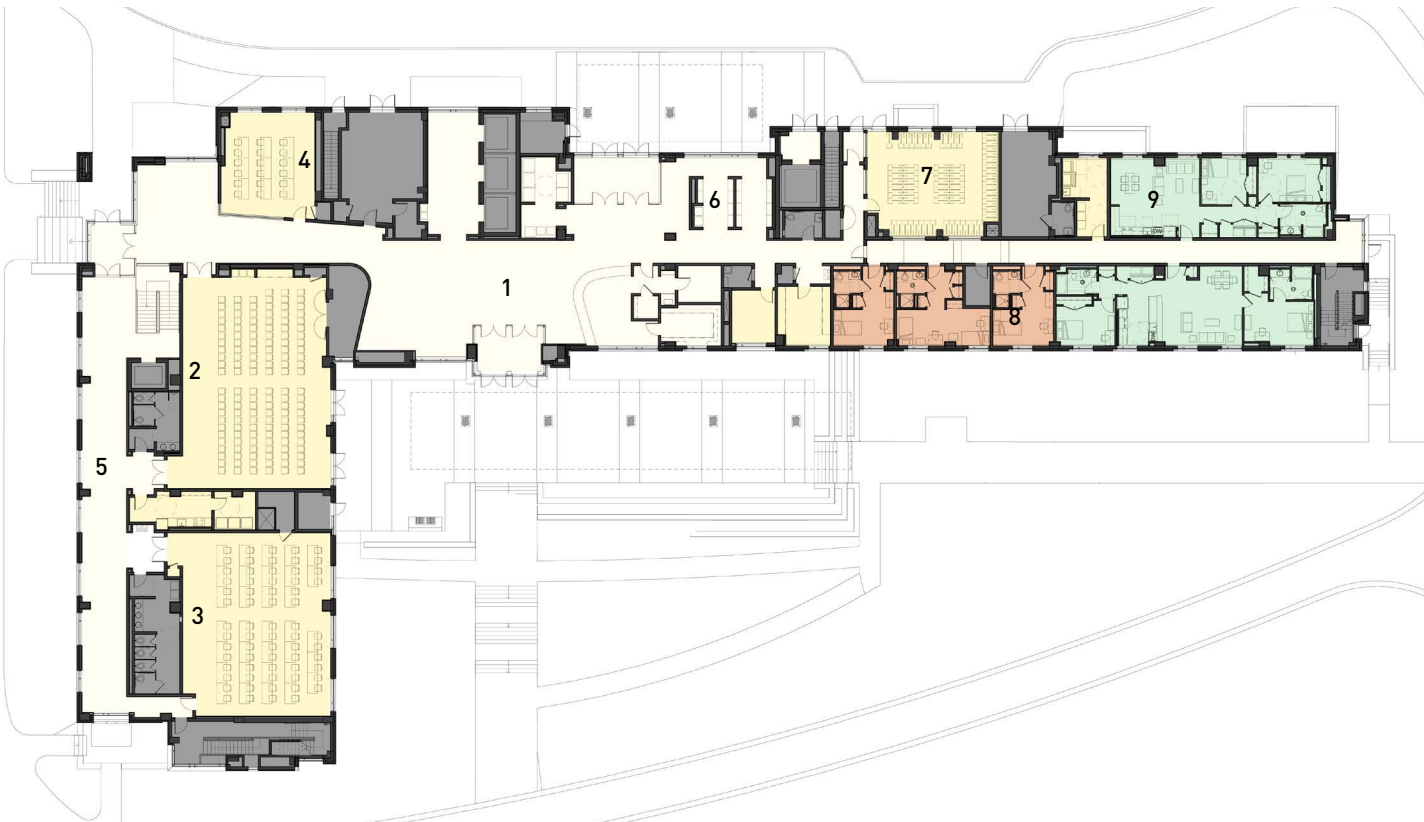
- Deliver a 464-bed resident facility that offers an innovative residential experience in spaces conducive to both living and learning.
- Integrate the University of Maryland's commitment to sustainability through the use of low-impact design.
- Provide adaptable classrooms and lounges that support the Honors College's Advanced Cybersecurity Experience for Students (ACES) living-learning program, a collaboration with Northrop Grumman.
- Define the Mayer Mall through design that encourages leisurely outdoor use.
- Expand upon the University of Maryland's palette to set a creative design standard for future residences.



## DESIGN APPROACH

Prince Frederick Hall is the successful result of a collaborative partnership between our firm and the University stakeholders. By working together to establish early consensus on programmatic demands, define project success and discuss design standards, we delivered the University's most innovative residence hall on-time and on-budget. Blending our firm's commitment to sustainability, leadership in residential design, and experience in higher education, our team thoughtfully adapted high design principles for an institutional setting.

## First Floor



- 1 Lobby
- 2 Multi-purpose Room
- 3 Classroom
- 4 Seminar Room
- 5 Gallery
- 6 Mailroom
- 7 Bike Storage
- 8 Student Units
- 9 Res Life Units



### DESIGN SCHEME

A residential feel is achieved through use of materials sewn into the design to enhance student and staff quality of life. The building's L-shape structure achieved the University's goal of creating two significant outdoor spaces. The footprint's east wing contains the double-bed traditional dorm program for freshmen and sophomores, while the west wing contains the four-bed suite style program for juniors and seniors. At the intersection of these two wings there is a cluster of amenity spaces that foster social interaction between the two groups of students.

These residential wings are clad in the University's traditional brick, and are punctuated by repetitive window patterns. The centralized lounges and corridor-end bay windows feature substantial amounts of glass and metal panels rendering these surfaces highly transparent and reflective. It is this juxtaposition of the solid traditional materials with the lighter and transparent contemporary building systems that makes Prince Frederick Hall both historically referential and a model for the future.

The placement of glass was strategically designed throughout the Hall to orient students toward outdoor views and daylight. When visitors enter the lobby, they experience the axial relationship between the building's foyer and full-height bay window at the elevator lobby. On the typical residential floors, corridors terminate with natural light and exterior views. Social and study lounges feature interior glass walls facing corridors and exterior window walls to maximize views and daylighting.

### ADVANCED CYBERSECURITY EXPERIENCE FOR STUDENTS (ACES)

Prince Frederick Hall welcomes residents through an open lobby, accessed on opposing building exposures. The Honors College includes 14,000-sf of classroom space for the university's Advanced Cybersecurity Experience for Students (ACES) learning program, which is in collaboration with Northrop Grumman. The ACES program is one of seven Honors living/learning communities at UMCP. A large 140-seat multipurpose room and a 75-seat seminar room on the first floor, and two smaller seminar rooms on the ground floor, support the hall's living/learning mission, as well as building events. In addition to the ACES program, one study lounge and one social lounge are found on each of the six residential floors.

### GREEN FEATURES

Prince Frederick Hall is pending LEED-NC Gold certification, reflective of the University's commitment to sustainability and leadership as a research institution. The building boasts myriad sustainable features, including interior bike storage with additional exterior bike parking, daylighting, water efficient landscaping, bio-retention ponds, permeable paving, and on-site vehicle charging stations. As part of the campus infrastructure development, the facility also houses a Satellite Central Utility Building (SCUB) located in the basement and cooling towers on the roof. A maintenance hub program services adjacent buildings and future developments. These efforts allow for lower operation costs while fostering a healthier residential experience.

