SCHOOL OF DATA
SCIENCE BUILDING

Fall 2021

A NEW SCHOOL FOR A NEW CENTURY

UNIVERSITY of VIRGINIA

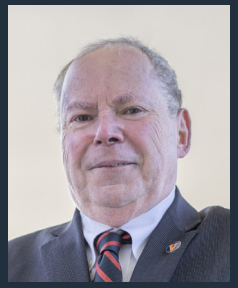
SCHOOL *of* DATA SCIENCE

CAPITAL ONE HUB

GREEN SPACE AT
EMMET-IVY INTERSECTION

IVY CORRIDOR
LANDSCAPE

A NEW ERA BEGINS



We celebrate the groundbreaking of this exciting new building, the future home of our School Without Walls, which will mark the entrance to the University's planned expansion along the Emmet and Ivy Corridor. The sustainable design and functionality of our new building will ensure interdisciplinary collaboration across Grounds to advance all domains while addressing critical world challenges using the tools of data science. Our focus on responsible data science; ethics and openness; and diversity, equity, and inclusion, speaks to the University's vision as citizen-leaders and will be reflected in how we teach and carry out data science.

As part of the Discovery Nexus, we offer public spaces where researchers in business and science will be joined by scholars and artists to explore the creative potential of data science. We look forward to having a permanent home and using it as a connector to not only the University but also the City of Charlottesville and our community. Please join us as we embark on this new adventure.

LOBBY AND VIEW OF DATA WALL

OPEN LAB

SEMINAR ROOMS

OPEN AND RESPONSIBLE DATA SCIENCE

The School of Data Science is guided by goals to further discovery through open, collaborative, transparent, and responsible data science research. These guidelines and recommendations are adhered to by all faculty members in their research and teaching. The Open Access Guidelines and Recommendations are part of the School of Data Science's effort to drive innovation across boundaries.

This includes the establishment of the Open Lab, a data-sharing network that will support research through its entire process, from the data collection stage through analysis and data use. The Open Lab is a communal space for skill-sharing and hands-on experience with free and open source technologies. Its main purpose is to integrate data science projects and educational activities with areas of collaborative development in open science.

“Data science has broad applications, and if it has limits, we are not yet close to even seeing them.”

–JAFFRAY WOODRIFF

FIRST FLOOR LOBBY
AND ATRIUM

FOURTH FLOOR TERRACE
AND READING ROOM

COMMUNITY

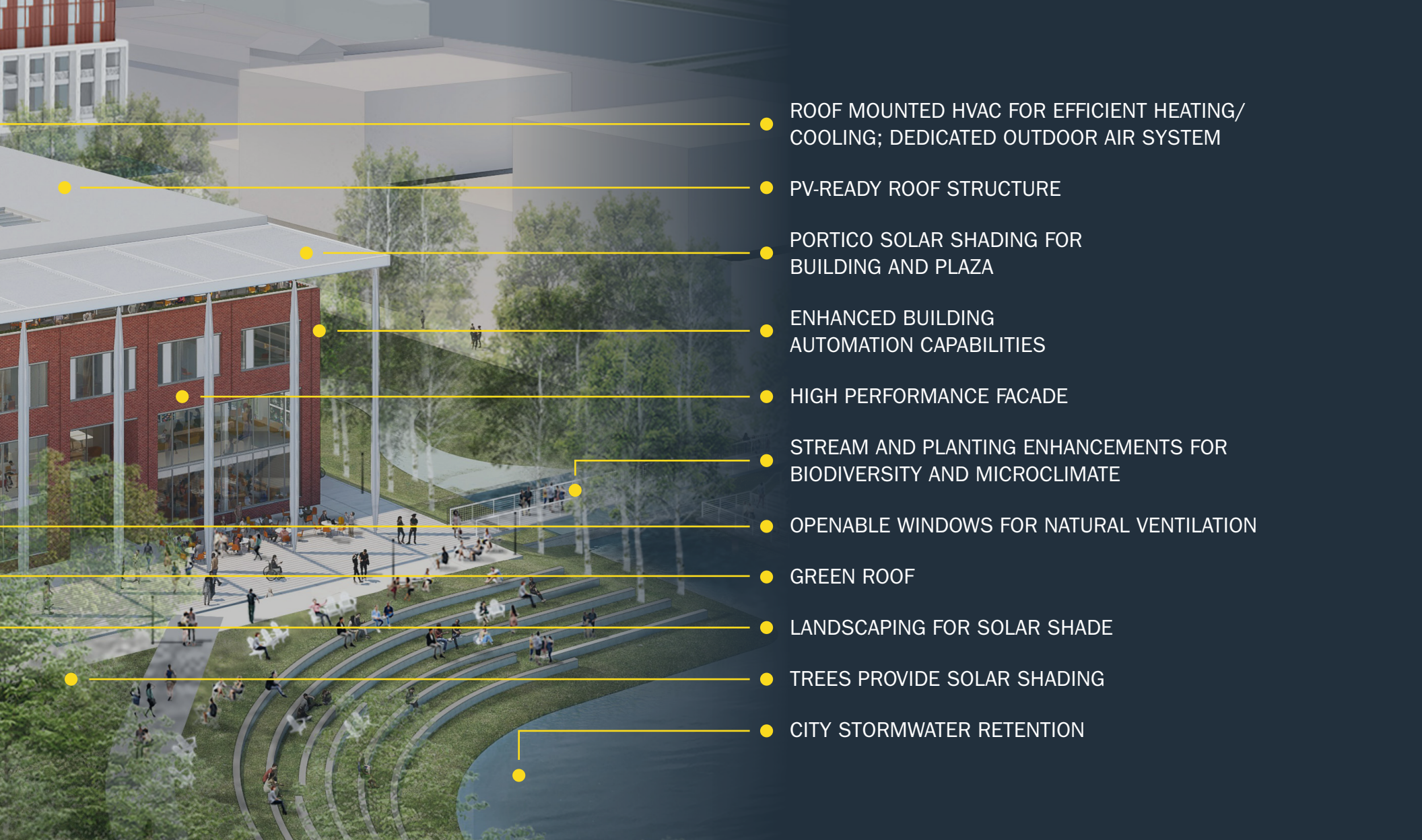
The School of Data Science is committed to interdisciplinary collaboration and engagement within the greater University, Charlottesville, and data science communities. The new building will feature public spaces where researchers across disciplines can be joined by scholars, artists, scientists, industry leaders, and linguists—all with the common goal of exploring the creative potential of data science.

The open layout and communal areas reflect the University's original architectural vision to create spaces that foster learning through faculty and student interaction. The new building faces Central Grounds and serves as a connector and gateway to the University's new Discovery Nexus. Common areas like the atrium, lobby, corporate commons, and fourth-floor terrace will serve as welcome and inviting hubs for the exchange of ideas and innovation.

OPEN LAYOUT
COMMUNAL AREAS

SUSTAINABILITY AND WELLNESS

A key goal for the School of Data Science's new building, as well as for the Discovery Nexus along the Emmet-Ivy corridor, is to achieve the highest sustainability performance and serve as a benchmark for future construction at the University of Virginia. As a “smart building,” data collected will incorporate metrics for measuring the use and sustainability of the space and provide the flexibility to adjust usage based on real-time, data-driven metrics. Another goal of the building and surrounding area is to encourage wellness through air circulation, spacious communal areas, flexible outdoor space for events and relaxation, as well as private rooms for informal meetings and personal time. The building also features lactation and meditation rooms.



- ROOF MOUNTED HVAC FOR EFFICIENT HEATING/ COOLING; DEDICATED OUTDOOR AIR SYSTEM
- PV-READY ROOF STRUCTURE
- PORTICO SOLAR SHADING FOR BUILDING AND PLAZA
- ENHANCED BUILDING AUTOMATION CAPABILITIES
- HIGH PERFORMANCE FACADE
- STREAM AND PLANTING ENHANCEMENTS FOR BIODIVERSITY AND MICROCLIMATE
- OPENABLE WINDOWS FOR NATURAL VENTILATION
- GREEN ROOF
- LANDSCAPING FOR SOLAR SHADE
- TREES PROVIDE SOLAR SHADING
- CITY STORMWATER RETENTION

PEDAGOGY

To accommodate the School of Data Science's wide range of pedagogical styles and anticipate the evolution of a relatively new and ever-evolving field of study, classrooms will be designed for a mix of active learning and discussion styles. Classrooms have been designed to provide the maximum flexibility of layout for a variety of usages, including movable furniture, room dividers, and robust built-in technologies for group work and collaboration. Each classroom will feature at least four large displays—two projection screens at the front with flanking LCD screens on the side walls—to support optimal viewing of instructor or student content from every point in a room. Other classroom features will include recording capabilities, built-in ceiling microphones and loudspeakers for speech reinforcement and program audio, as well as an ADA assistive hearing system.

COLLABORATIVE CLASSROOMS

COLLABORATIVE OPEN WORK ENVIRONMENTS

“This special kind of opportunity is invigorating and rare—to be a part of something truly new—and to make a statement about the future of data science and the University.”

–PHIL BOURNE, STEPHENSON DEAN OF THE SCHOOL OF DATA SCIENCE

NAMING OPPORTUNITIES

SPACE	APPROX. SQ. FT.	NUMBER OF INSTANCES	FUNDING NEEDED
The Hub - Video Screen, Speakers Corner	1,540	Reserved	$2,000,000
Lobby – Level 1	3,466	1	$1,500,000
Level 4 Terrace	1,575	1	$1,000,000
Level 4 Green Terrace	1,000	1	$1,000,000
Multi-Floor Atrium	1,535	1	$1,000,000
Large Classroom – Level 2 and 3	1,737	2	$750,000
Student Reading Room – Level 4	708	1	$600,000
Cloud Support	n/a	1	$500,000+
Solar and Sustainability	n/a	1	$500,000+
Large Conference Room/Seminar Room – 1	694	1	$500,000
Medium Classroom – Level 2 and 3	1,162	2	$500,000
Large Conference Room/Seminar Room – 2	491	1	$400,000
Conference Room North Facade – Levels 3, 4	203	2	$300,000
Gallery (overlooking Hub)	1,100	1	$300,000
Open Lab	325	1	$250,000
Conference Room – Level 2 - 10 person	230	2	$250,000
Conference Room – Level 2 - 8 person	155	1	$200,000
Data Wall	n/a	1	$200,000
Dean's Office – Level 2 Corner	120	1	$200,000
Kitchenette/Conference Rooms	435	3	$200,000
Wellness Room – Level 3	218	1	$200,000
Corporate Conference Room	140	1	$150,000

HONOR *the* FUTURE

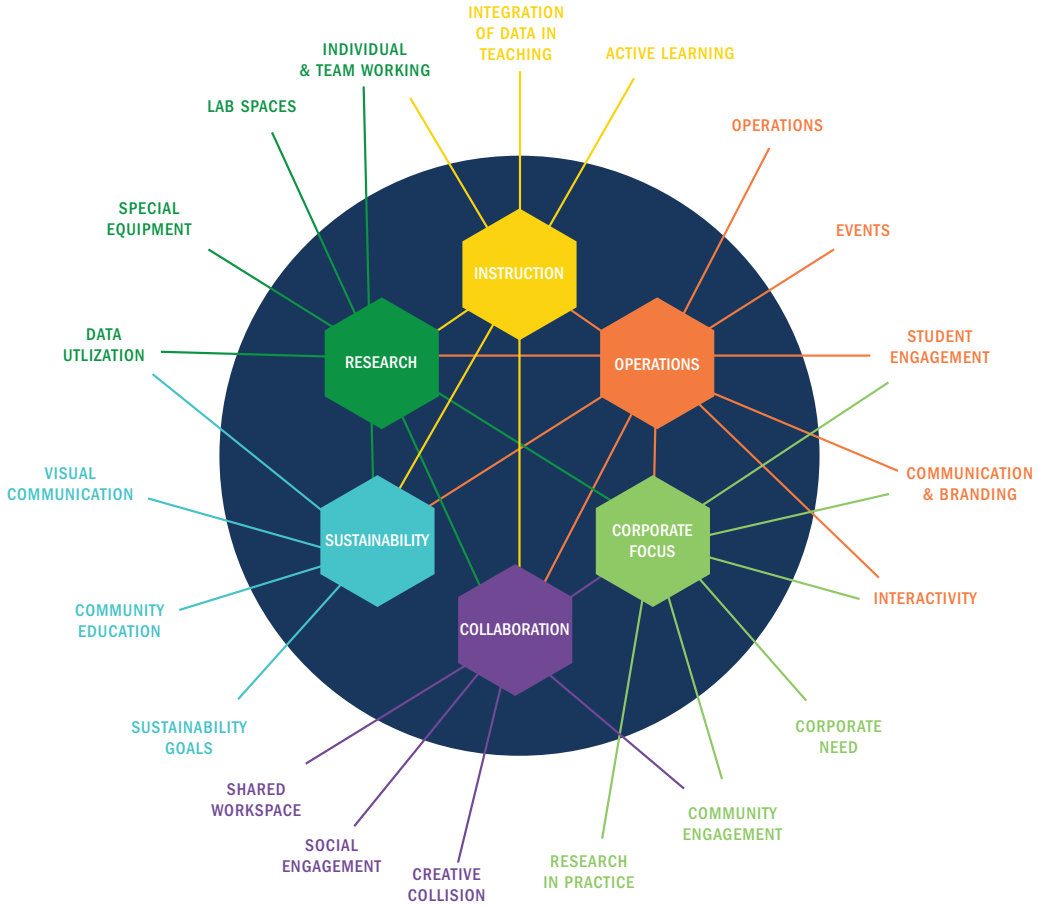
THE CAMPAIGN FOR THE UNIVERSITY OF VIRGINIA

CONTACT

WENDELL COLLINS
Director of Development,
School of Data Sciences

E: wendellc@virginia.edu
P: 434-924-6214

DATA-DRIVEN FOR A NEW ERA



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