CAPITOL
Technology University

TOMORROW'S TECH CAREERS START HERE

Laser-focused on STEM careers and providing a launch pad to a better life.

INTRODUCTIONS

Dr. Bradford Sims

President

Melinda Bunnell-Rhyne

Vice President of University Development and Student Engagement

Dr. William Butler

Vice President of Academic Affairs

Darryl Campbel

Vice President of Finance

ABOUT CAPITOL

As Washington D.C. ‘s premier STEM University, Capitol Technology University graduates are highly sought-after by America’s most technologically advanced government agencies and their private sector partners. With “hands on” curricula focused purely on STEM careers, Capitol Technology University positions its students for top roles in the region’s booming tech hub.

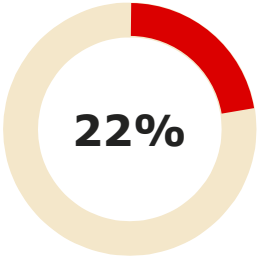
OUR FIELDS OF STUDY

Capitol Technology University is the only independent institution of higher education in Maryland with a mission to educate individuals for professional opportunities in:

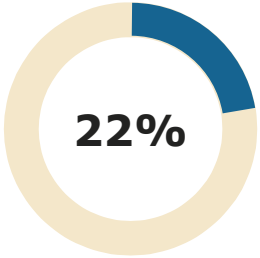
Aviation & Astronautical Sciences	Computer Science, AI & Data Science	Construction & Facilities	Critical Infrastructure
Cyber & Information Security	Cyberpsychology	Engineering	Engineering Technologies
Intelligence & Security Studies	Management of Technology	Safety	Unmanned Systems

STUDENT DEMOGRAPHICS

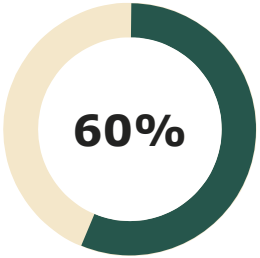
Our current student demographics show the following enrollment statistics:



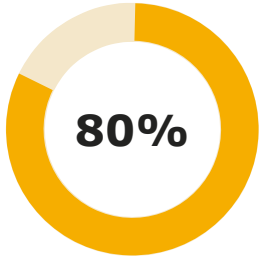
Women



Veterans



Under-served Populations



Receive Financial Aid

Over 830 students enrolled, 76% of the undergraduate student population is from Maryland.

OUR HISTORY

1927 — **Capitol Radio Engineering Institute** (CREI) founded in Washington, DC

1964 — Name changed to **Capitol Institute of Technology**

1970s — Campus moved to Kensington resulting in enrollment growth

1980s — Campus moved to Laurel and name changed to **Capitol College**

OUR HISTORY

1990s — Began offering master's programs and online degrees

2000s — NSA designation as Center of Academic Excellence

2010 — First doctoral program inaugurated

2014 — University status and name change to **Capitol Technology University**

2027 — **Celebrating 100 years!**

UNDERGRADUATE PROGRAMS

Associates Applied Science Degrees (AAS)

- Computer and Cyber Operations Engineering (AAS)
- Engineering Fundamentals (AAS)

Bachelors of Science Degrees (BS)

- Astronautical Engineering
- Aviation Professional Pilot
- Computer Engineering
- Computer Engineering Technology
- Computer Science
- Construction Information Technology and Cybersecurity
- Construction Management and Critical Infrastructure
- Counterterrorism
- Cyber Analytics
- Cybersecurity
- Data Science
- Electrical Engineering
- Electronics Engineering Technology
- Engineering Technology
- Esports Management
- Facilities Management and Critical Infrastructure
- Information Technology
- Intelligence and Global Security
- Management of Cyber and Information Technology
- Mechatronics Engineering
- Mechatronics and Robotics Engineering Technology
- Military Technical Management
- Occupational Safety and Health
- Professional Trades Administration
- Software Engineering
- Technology and Business Management
- Unmanned and Autonomous Systems

MASTER'S PROGRAMS

- Astronautical Engineering (M.Res.)
- Aviation (MS)
- Aviation Cybersecurity (MS)
- Aviation Maintenance (M.Res.)
- Business Administration (MBA)
- Business Analytics and Data Science (TMBA)
- Computer Science (MS)
- Construction Cybersecurity (MS)
- Counterterrorism (MS)
- Critical Infrastructure (MS)
- Cyber Analytics (MS)
- Cyberpsychology (M.Res.)
- Cybersecurity (MS)
- Cybersecurity (TMBA)
- Engineering Technology (MS)
- Healthcare Data Analytics (MS)
- Intelligence and Global Security (MS)
- Occupational Safety and Health (MS)
- Product Management (MS)
- Sustainability (M.Res.)
- Systems Engineering (M.Res.)
- Unmanned and Autonomous Systems (MS)

DOCTORAL PROGRAMS

- Aeronautical Science (PhD)
- Artificial Intelligence (PhD)
- Astronautical Engineering (PhD)
- Business Analytics and Data Science (PhD)
- Computer Science (PhD)
- Construction Science (PhD)
- Counterterrorism (PhD)
- Critical Infrastructure (PhD)
- Cyber Leadership (PhD)
- Cyberpsychology (PhD)
- Cybersecurity (DSc)
- Cybersecurity Leadership (PhD)
- Educational Data Analytics (EdD)
- Emergency and Protective Services (PhD)
- Engineering Management (PhD)
- Facilities Management (PhD)
- Financial Cybersecurity (PhD)
- Healthcare Cybersecurity (PhD)
- Human Factors (PhD)
- Industrial Hygiene (PhD)
- Intelligence and Global Security (PhD)
- Manufacturing (PhD)
- Military Leadership (PhD)
- Occupational Health and Safety (PhD)
- Occupational Risk Management (PhD)
- Offensive Cyber Engineering (PhD)
- Product Management (PhD)
- Quantum Computing (PhD)
- Real Estate Management (PhD)
- Space Cybersecurity (PhD)
- Space Operations (PhD)
- Supply Chain Management (D.B.A.)
- Sustainability (PhD)
- Systems Engineering (PhD)
- Technology Combination Program (MS/PhD)
- Technology (PhD)
- Unmanned Systems Applications (PhD)

WHAT MAKES CAPITOL UNIQUE ?

Placement Rate

For the past 25 years, over 80% of graduating seniors are employed in their chosen field.

Capitol Commitment

Students will receive a job offer within 90 days of graduation or we'll provide up to 36 additional undergraduate credits for **free**.

Chargers Assistance Program

Bachelors graduates who don't earn a salary of at least $50,000 within 18 months of graduating from Capitol can get assistance repaying loans.

Return on Investment

Georgetown University released a report ranking 4,500 colleges and universities by return on investment. Capitol Tech was ranked 213 out of 4,500 with a 20 year Net Present Value (NPV), ranked 141 out of 4,500 after a 30 year NPV, and over a 40 year lifetime of work, ranked 120 out of 4,500 colleges/universities.

What Makes Capitol Unique?

PIONEERING PROGRAMS

We offer PhD programs in Technology, Business Analytics and Decision Sciences, and Unmanned and Autonomous Systems Policy and Risk Management

Our MS in Network Security and DSc in Cybersecurity were among the first in the nation to be offered online.

We have a combination program for an MS of Science Research with a PhD in Technology.

We are pioneering new master's degrees in Cyber Analytics and Business Analytics, along with our technical MBA in Cybersecurity.

We offer an exciting new Master's of Research in Cyberpsychology, the only one in the United States.

Many of our programs have asynchronous online classes, so you can control when you go to class.

What Makes Capitol Unique?

NATIONAL RECOGNITION

DHS/NSA Designated Center of Academic Excellence in Cyber Defense Education

Funded long-term partnerships with NASA and contractors

BS in Construction Safety recognized as a Qualified Academic Program (QAP) by Board of Certified Safety Professionals (BCSP)

National Cryptologic School (NCS) university partner

LAB RENOVATIONS

Educational Impact

- provide a **safe, inspiring, fully accessible, reconfigurable** lab space. The labs will be equipped with **plug-and-play research equipment, moveable workbenches and multiple access points for utilities** (networking, power, etc..).
- **enhance the student experience** which will **impact the recruitment and retention** of top robotics and engineering students across the country.
- Programs Impacted - Mechatronics Engineering, Mechatronics and Robotics Engineering Technology, Electrical Engineering, Electronics Engineering Technology, Astronautical and Computer Engineering, Computer Science, Cyber programs

PROCESS

- CCR Architects was contracted to create preliminary drawings and cost estimates
- CCR Architects engaged user groups including faculty and students throughout Fall 2021
- CCR Architects consulted with a steering committee including the executives, Academic Dean, and AVP Development and Donor Engagement

IDENTIFIED FACTORS FOR SUCCESS

- Accessibility
- Flexibility
- Technical Upgrades
- Enhance the Positives
- Ergonomics
- Lighting
- Collaboration Zones

LAB RENOVATIONS

Robotics Lab

1

Smart Manufacturing, remote sensing, advanced imaging

45% of undergraduates

UAS Lab

2

Proof of concept testing, design

Growing population in emerging field
19% of undergraduates

Electronics Lab

3

Mechatronics, precision soldering, circuit design

64% of undergraduates

Computer Science Lab

4

Artificial Intelligence, Edge and Quantum Computing

90% of students complete an introductory programming course

83% take an upper level computer programming course

AREAS FOR IMPROVEMENT

Lack of Accessibility

Water Damage

Aged Skylights

ROBOTICS LAB

1

Development of working robots that are used in competitions

Current Robotics Lab

Robotics Lab Plans

UAS LAB

2

Supports advances in guidance, navigation and control technology

Current UAS Lab

UAS Lab Plans

ELECTRONICS LAB

3

A large laboratory stocked with industry-level equipment

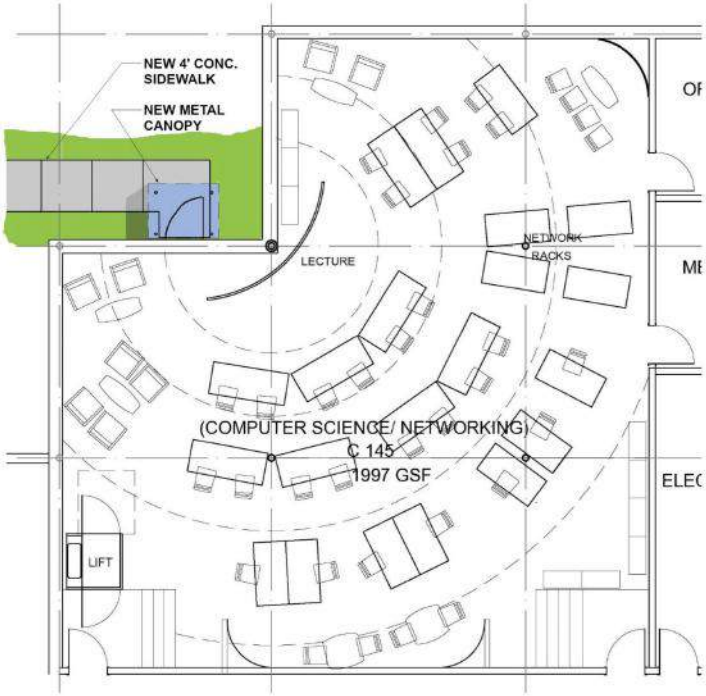
Current Electronics Lab

Electronics Lab Plans

COMPUTER SCIENCE & NETWORKING LAB

3

A large laboratory stocked with industry-level equipment



FACILITIES & FINANCE

- **Fiscal 2021 Age of Facilities Ratio**: 32.15
- **Fiscal 2021 Debt Burden Ratio**: 0.03 (Ratio of 0.07 or lower is recommended.)
- **Fiscal 2021 Facilities Burden Ratio**: 0.17 (Ratio was 0.18 in prior year.)
- **Fiscal 2021 Viability Ratio**: 1.75 (Ratio close to or greater than 1 is recommended.)

FUNDING

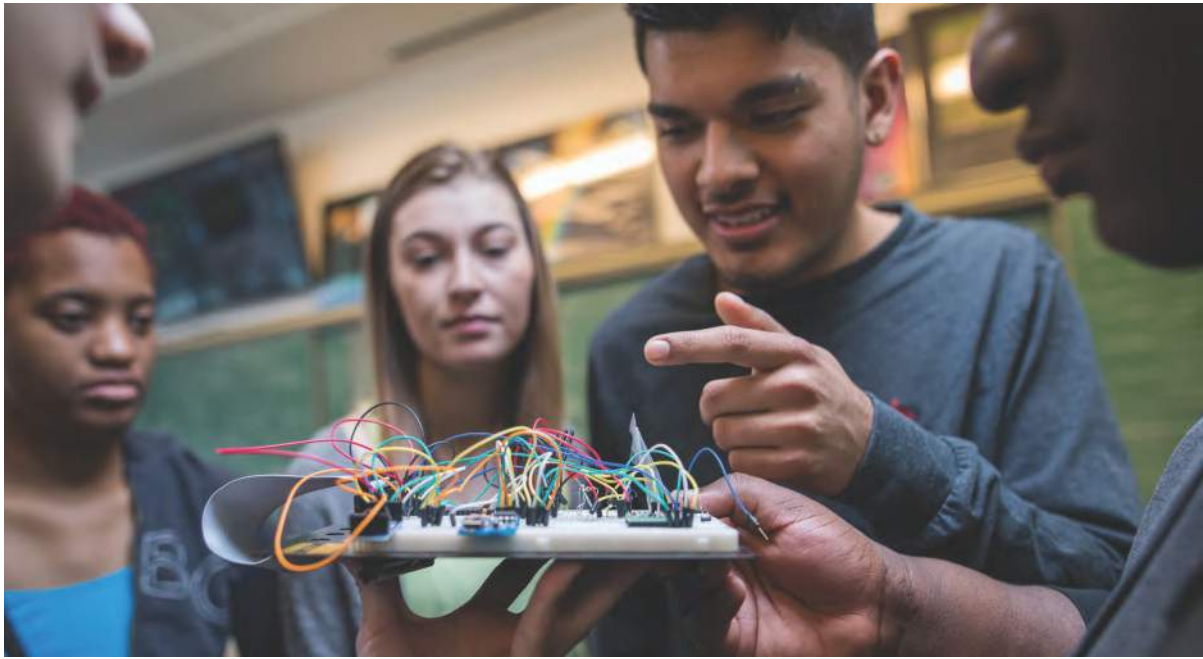
- Total Project $4,100,000
- State request $1,500,000
- University Contribution $1,600,000
  - Sources
  - $1,600,000 in reserve funds to initiate project
    - $850,000 from reserve funds
    - $750,000 comprehensive campaign to replenish the reserve funds
      - 2027 Centennial Campaign

TIMELINE

- September 2021 – March 2022 Conceptual Design
- March 7, 2022 Board of Trustees resolution to support project
- October 24, 2022 DBM presentation
- January 2023 Legislative Agenda
- April 2023 to April 2024 Engineering Design
- May 2024 to September 2024 Construction
- December 1, 2026 final drawdown of funds

CENTER FOR EDUCATION & PUBLIC OUTREACH

- Cyber Saturdays
- Jumps Start Junior Day
- Learn, Build, Launch
- Workshops
- MD MESA
- FIRST Robotics
- Sumer Cyber Camp



SHAPING THE FUTURE WORKFORCE

- Dual enrollment programs with high schools
- STEM education and outreach for middle school-through-university students
- Support of national competitions (FIRST Robotics, TARC, CyberMaryland)
- Opportunities for professional development including our Amazon Web Services partnership program

ACCREDITATION

Middle States Commission on Higher Education (MSCHE)

- MSCHE accredits degree-granting colleges across the Middle States region.
- Capitol received first accreditation in 1976 and is reexamined every 10 years.

Accreditation Board for Engineering and Technology (ABET)

- BS in Astronautical Engineering, Computer Engineering, Computer Engineering Technology, Computer Science, Cybersecurity Electrical Engineering, Electronics Engineering Technology

International Assembly for Collegiate Business Education (IACBE)

- MBA, MS Information Systems Management, BS Technology and Business Management, BS Management of Cyber and Information Technology

DESIGNATION(S)

- BS Cybersecurity is designated as a **National Center of Academic Excellence in Cybersecurity (NCAE-C) in Cyber Defense (CD)**

Tomorrow's Tech Careers Start Here.

LEARN. BUILD. SUCCEED.

CAPITOL
Technology University

JOHNS HOPKINS
UNIVERSITY

School of Education, Renovation

State Capital Grant

Site Visit Presentation

October 17, 2022

The School of Education (SOE) equips educators and communities—locally and globally—with the latest insight into how learning happens. SOE explores the frontiers of knowledge to understand how individual, communal, behavioral, and neurological aspects of human development interact to impact learning. From individual students to the schools they learn in, from communities to whole populations, quality education is imperative. Nothing less than our future is at stake.

Putting Value into Education

School of Education

Located just south of Johns Hopkins Homewood Campus and Wyman Park Dell, at 2800 North Charles Street, the School of Education was founded as a stand-alone school in 2007. Currently, the facility supports over 2,500 master's degree and doctoral students and 110 faculty spread across more than 25 programs.

Building Front Entrance on North Charles Street

Location at 2800 North Charles Street

Putting Value into Education

Supporting Maryland

We develop leaders for today's diverse educational contexts and create practical tools to tackle education's defining issues as we address social determinants of education, support diverse learners, and advance equity and social justice.

We have numerous programs which serve Maryland:

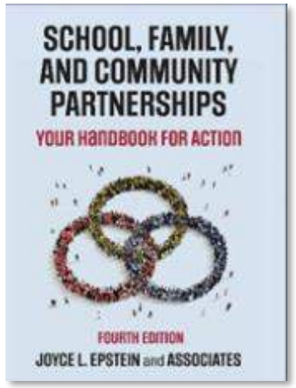
- ***TeachingWell*** Master's in Education program (expected launch Summer 2023) will address the nation's crisis in the K-12 teaching profession and provide loan repayment assistance to graduates committed to working in Baltimore City Public Schools.
- ***Teach For America*** collaboration produces approximately 40 teachers per year and results in intense preparation and ongoing development to serve in high need PK-12 students in Baltimore schools.
- ***Mind, Brain, and Teaching*** programs expand support for research and partnerships of the 2017-21 Maryland State Plan for Higher Education (Strategy #10).
- ***Instructional Leadership*** graduates qualify as lead teachers, content coaches, and instructional support teachers in high demand STEM fields.
- ***Counseling*** programs graduate much-needed school counselors and clinical mental health counselors who work in Maryland school systems and throughout Maryland communities.

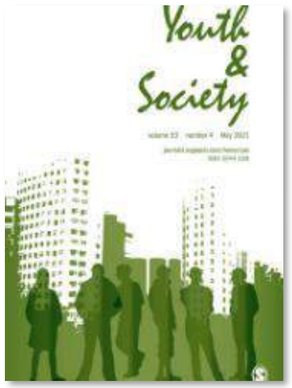
Putting Value into Education

Supporting Maryland

Our reputation attracts world-class talent to the State as well as $25M in annual research funding.

This project will enable the School to continue to support Maryland's growing reputation as a leader in education research and practice.





Our research centers add value and expertise to Maryland:

- ***Everyone Graduates Center:*** keeps students on the path to graduate high school and builds student pathways to post-secondary and workforce success.
- ***Institute for Education Policy:*** adviser to Maryland's Board of Education and Kirwan Commission, and developer of The Knowledge Map and other tools to improve teacher prep, instructional materials, assessment, and culture.
- ***Center for Safe and Healthy Schools:*** supports communities and policymakers in school risk management, racial equity, and student well-being.
- ***IDEALS Institute:*** creator of Maryland EXCELS, which enrolls 78% of the state's licensed and operating childcare and early education programs—the highest voluntary participate rate in the nation.
- ***Baltimore Education Research Consortium***: a BCPS/higher ed partnership to improve literacy, career choices, and air quality in school buildings.
- ***Center for Technology in Education:*** creator of the Kindergarten Readiness Assessment, used by 61,545 kindergarteners (1,043 schools) last year.

School of Education Building

Existing Challenges

Formerly a high school built in 1908, the School of Education building has undergone few renovations since JHU acquired it in 2003. As a result, the building is in need of significant upgrades to serve the many and diverse users for the next 50 years.

- Outdated building systems
- Code, life safety and accessibility challenges
- Outdated teaching spaces not commensurate with current pedagogy
- Limited research spaces
- Inefficient work spaces
- Nonexistent collaboration spaces

School of Education Building

Project Overview

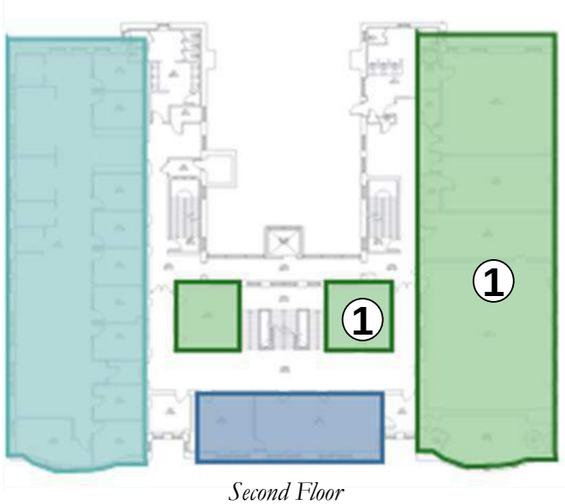
In 2020, the School of Education brought its research centers and academic programs under one roof to facilitate collaboration between research and clinical faculty as well as to better serve students.

- To best serve students, researchers, and faculty, the SOE will undertake a ***77K GSF renovation*** of its main building at 2800 North Charles Street to upgrade space in support of collaborative learning and research. The project will provide:
  - Appropriately sized, appointed, and flexible ***classrooms, workspaces, offices, huddle and conference rooms.***
  - Technology resources, accommodations for different learning styles, and a ***more collaborative space for all our stakeholders.***
  - Recording/visualization studio needed for ***online/virtual learning platforms.***
  - New finishes, ceilings, flooring, lighting, audiovisual technology, furniture, and updated security for ***building and room access.***
  - Building upgrades as part of the renovation include: ***hazardous material abatement, electrical and fire alarm system upgrades, network and telecom cabling upgrades.***

School of Education Building

Classrooms

Redesign existing classroom space to better accommodate planned class sizes for our growing programs and current learning styles, as well as to support research events hosted by our research centers.



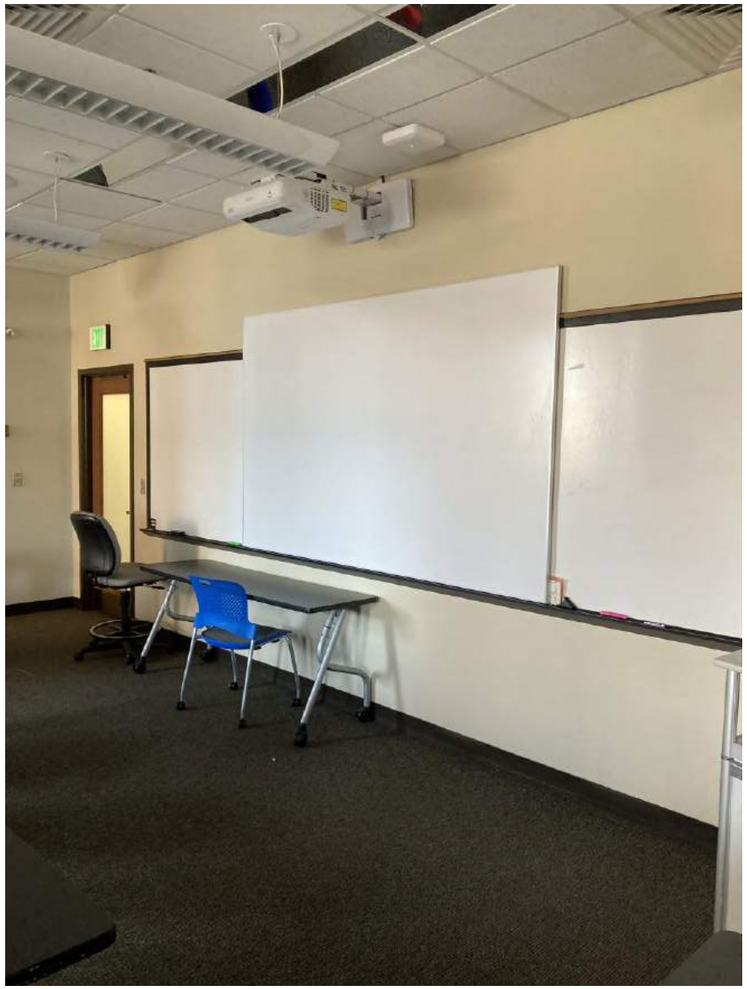
Second Floor

- Expand the teaching/classroom space to ***increase capacity to educate***
- Increased faculty/student collaboration to ***enhance education delivery***
- Classrooms will be functionally adequate with updated AV/IT systems appropriate ***to support the School's hybrid pedagogy and growing needs***

①*Examples of Existing Classrooms (with outdated furniture and AV/IT solutions)*

School of Education Building

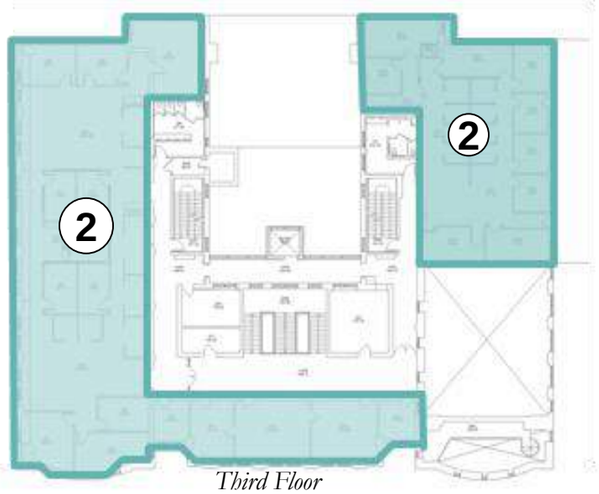
Classrooms



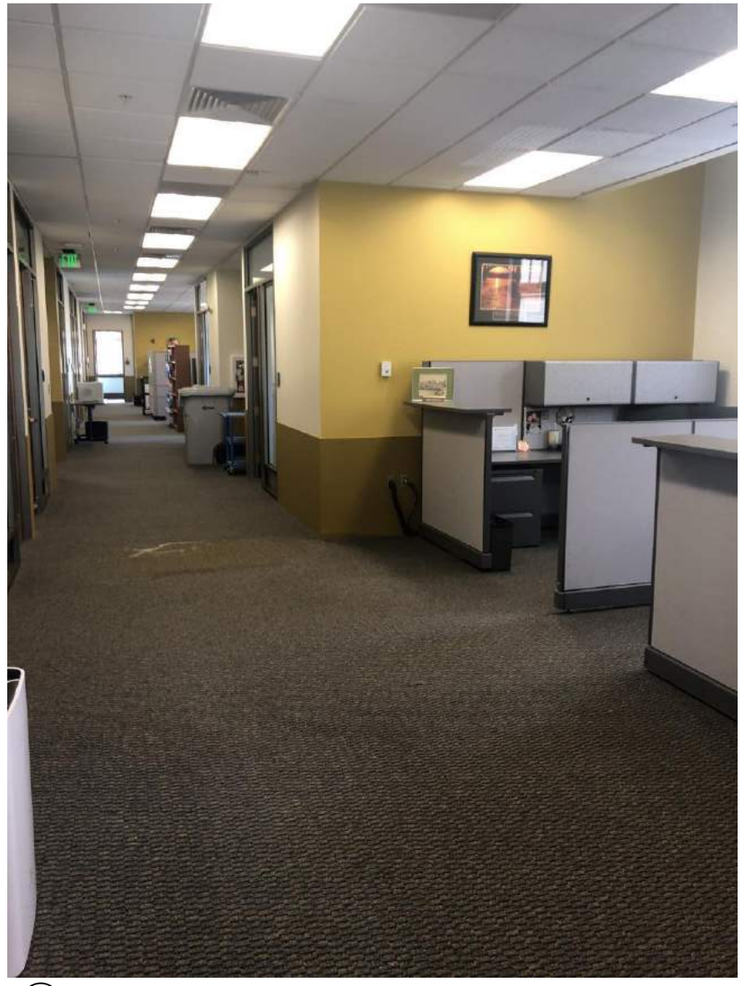
School of Education Building

Workspace

Renovation of existing offices to create an environment more conducive to the way emerging generations of faculty and research teams will work in the 21st century. Reducing the emphasis on personal space to create more teaming space that fosters collaboration and mobility.



Third Floor

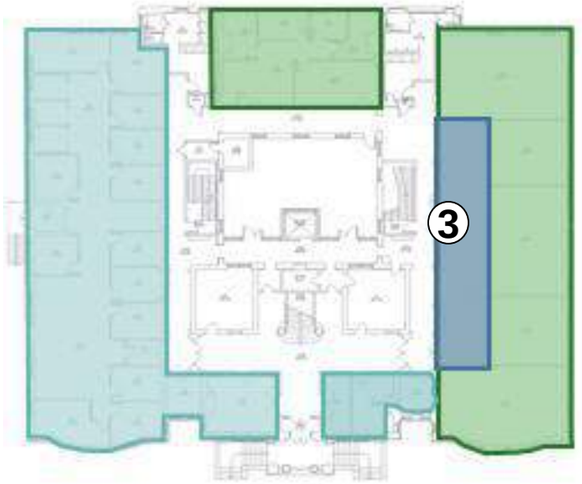


② *Examples of workspaces in need of standardization to allow for a better and more efficient use of space for faculty and staff*

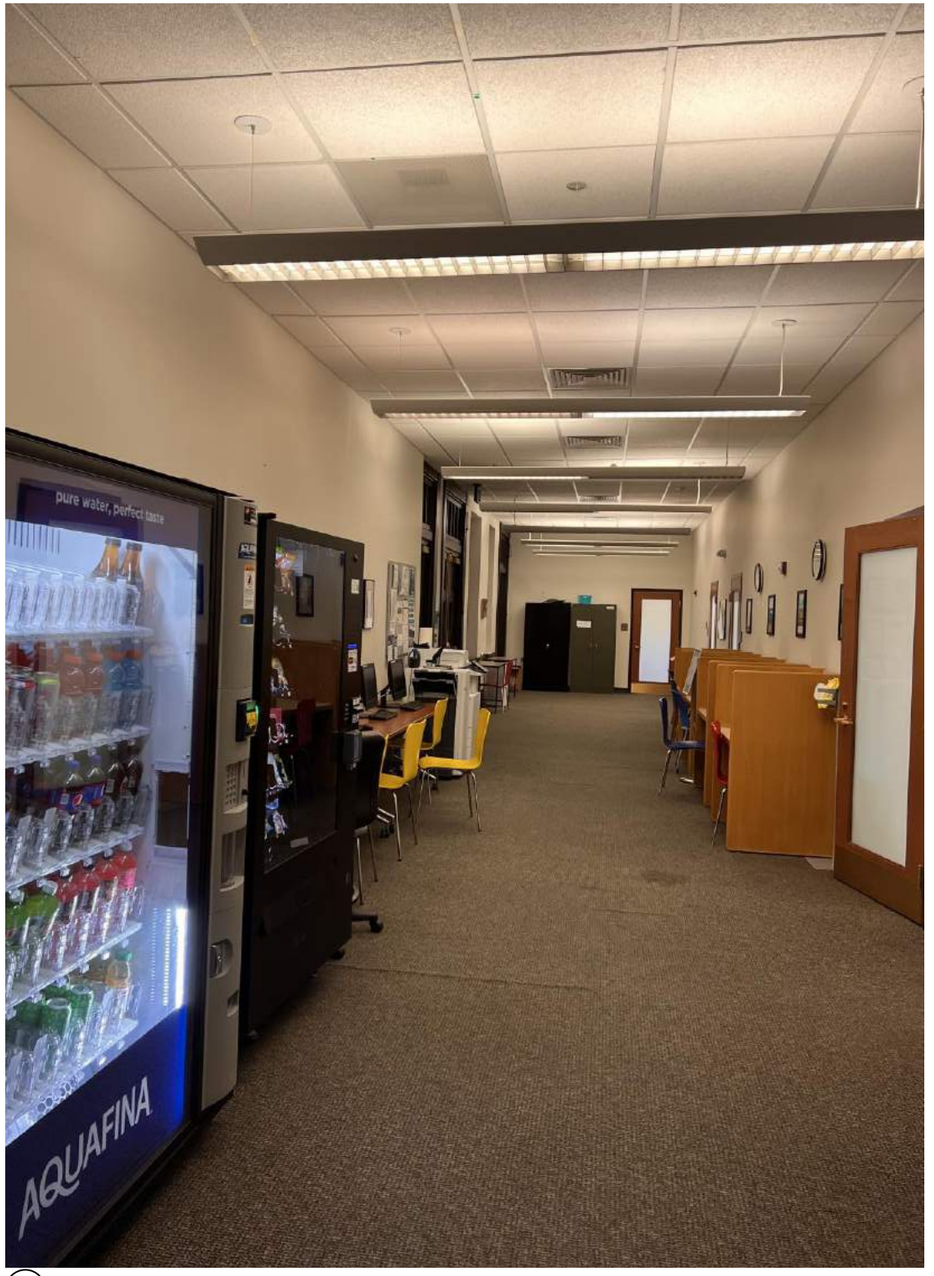
School of Education Building

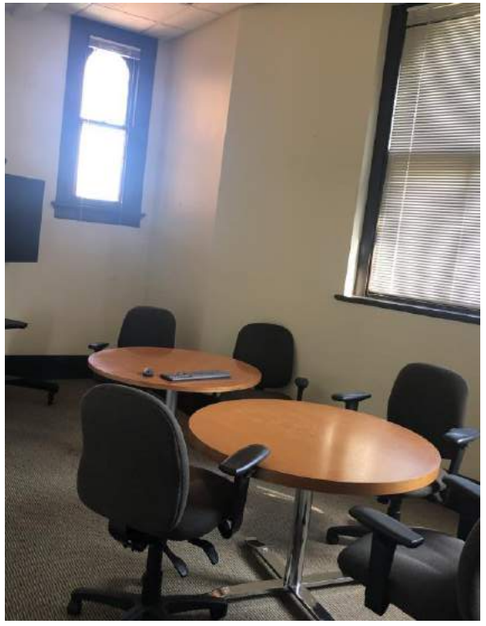
Encouraging Interaction

Providing space in the building that promotes impromptu and frequent interaction between students, faculty, and research teams; comfortable environments incorporating pantries, soft seating, and casual touch down space encouraging the School community to spend more time together.



First Floor





③ *Examples of existing spaces in corridors or common areas which can be redesigned to positively impact the student experience*

School of Education Building

Solutions We're Exploring

The School is re-examining how it uses the building and the project will right-size and redistribute existing space to make the most out each of the five floors.

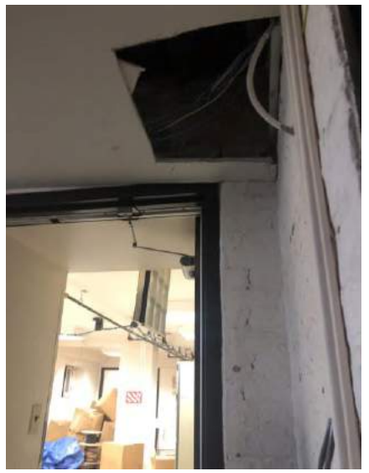
The existing and schematic design drawings below show some examples:

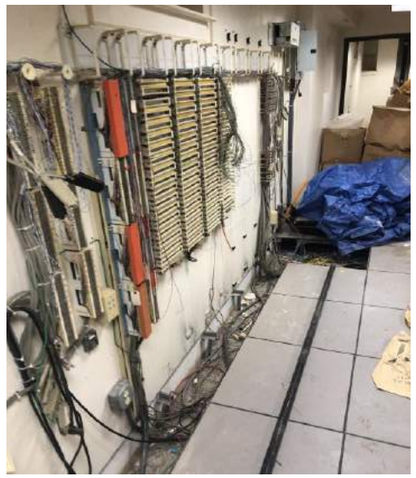
1. Right-sized classrooms and support areas (recording studios) will support program growth and increase in hybrid learning
2. Standardization of workspace will allow for School's consolidation efforts with more shared office space, workstations, and provide flexibility for future use
3. Community and collaboration areas will promote better and more dynamic student experience
4. Shared and commons space in the core of the building will activate a currently unused area with various sized meeting rooms

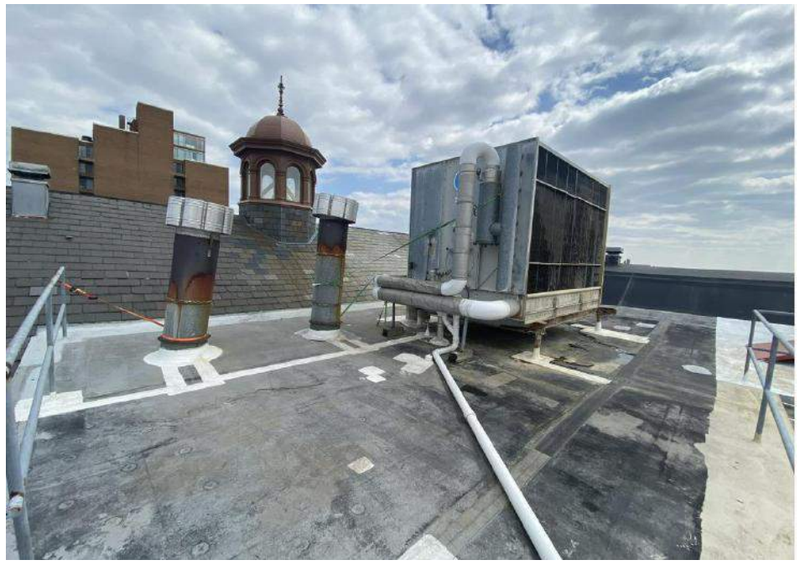
School of Education Building

Building Safety & Functional Upgrades

Upgrades throughout the building as part of the renovation include: hazardous material abatement, new electrical and fire alarm system, new network and telecom cabling, new finishes, flooring, ceilings, lighting, audio visual technology, updated security for building and room access, and furniture.







School of Education Building

We Need Maryland Support

To meet the needs of the School, the team developed a preliminary project budget of $21.2M which includes multiple funding sources.

- ***$16.2M*** in a combination of internal debt plus operating cash
- ***$5M*** in State Capital grant funding

Anticipated spend schedule:

FY22	FY23	FY24	FY25	TOTAL
$1.1M	$7.1M	$10M	$3M	$21.2M

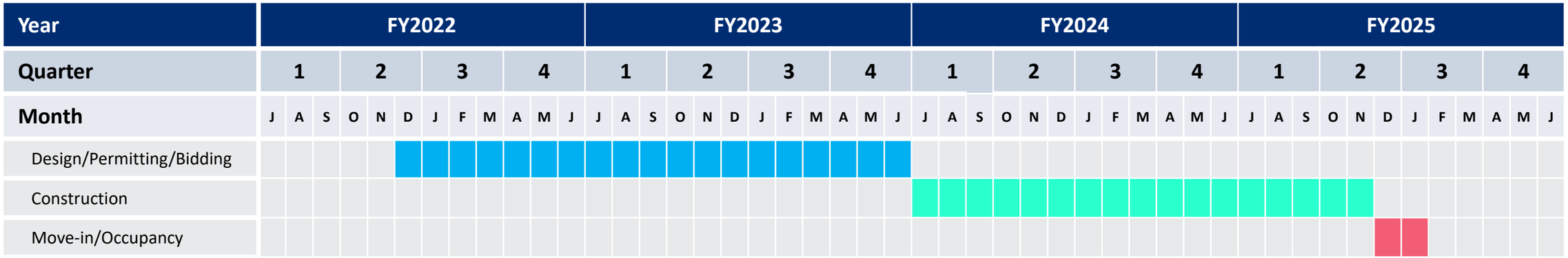
School of Education Building

Project Schedule

Understanding the project timeline and importance of staying on schedule and on budget has been crucial in the planning of this effort to date.

- June 2021 JHU Trustee design approval
- Construction phase is anticipated to be approved in FY23
- Targeting late Fall 2024 completion
- 20% MWBE, 13% LBE participation; construction job creation

Estimated project schedule:



Putting Value into Education

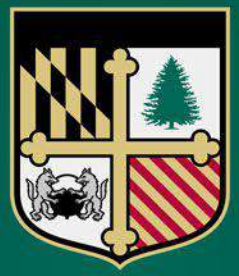
Conclusion

Increasing the usable space within the building through renovation will supply a flexible, technology-rich environment to recruit world-class interdisciplinary scholars and researchers to Johns Hopkins University.

Renovation of the School of Education building is vital to our ability to attract the best and brightest future educators to Maryland.

- Our current ***space deficit has put us at a competitive disadvantage*** to attract PhD students, early-career researchers, and experienced faculty that further the state of education research.
- Renovating the building will ensure that ***ample space is dedicated to 21st century scholarly activity*** and that we can expand our world-class programs, certifications, and research centers.
- Investing in this project now will ensure that the upgrades ***support efforts to teach the next generation of educators*** in a modern facility.
- Without the new space, our ability to better prepare students to be top-notch educators will be stifled, and our ability to attract the best students, faculty, and staff and **remain a highly-ranked institution in Maryland** will be hampered.
- This project will enable the School to increase the **contribution to Maryland's growing reputation** as a leader in education research and practice.

Questions & Answers



LOYOLA UNIVERSITY MARYLAND

— 1852 —

Loyola University Maryland Internal Use Only

LOYOLA UNIVERSITY MARYLAND

— 1852 —

Donnelly Science Center Renovation

MICUA Capital Project Site Visit

October 17, 2022

Loyola University Maryland Internal Use Only

Agenda

1. Welcome and Introductions
2. Project Presentation: Donnelly Science Center
3. Questions and Discussion
4. MICUA FY24 Capital Requests Overview
5. Capital Budget Outlook / Remarks from DBM

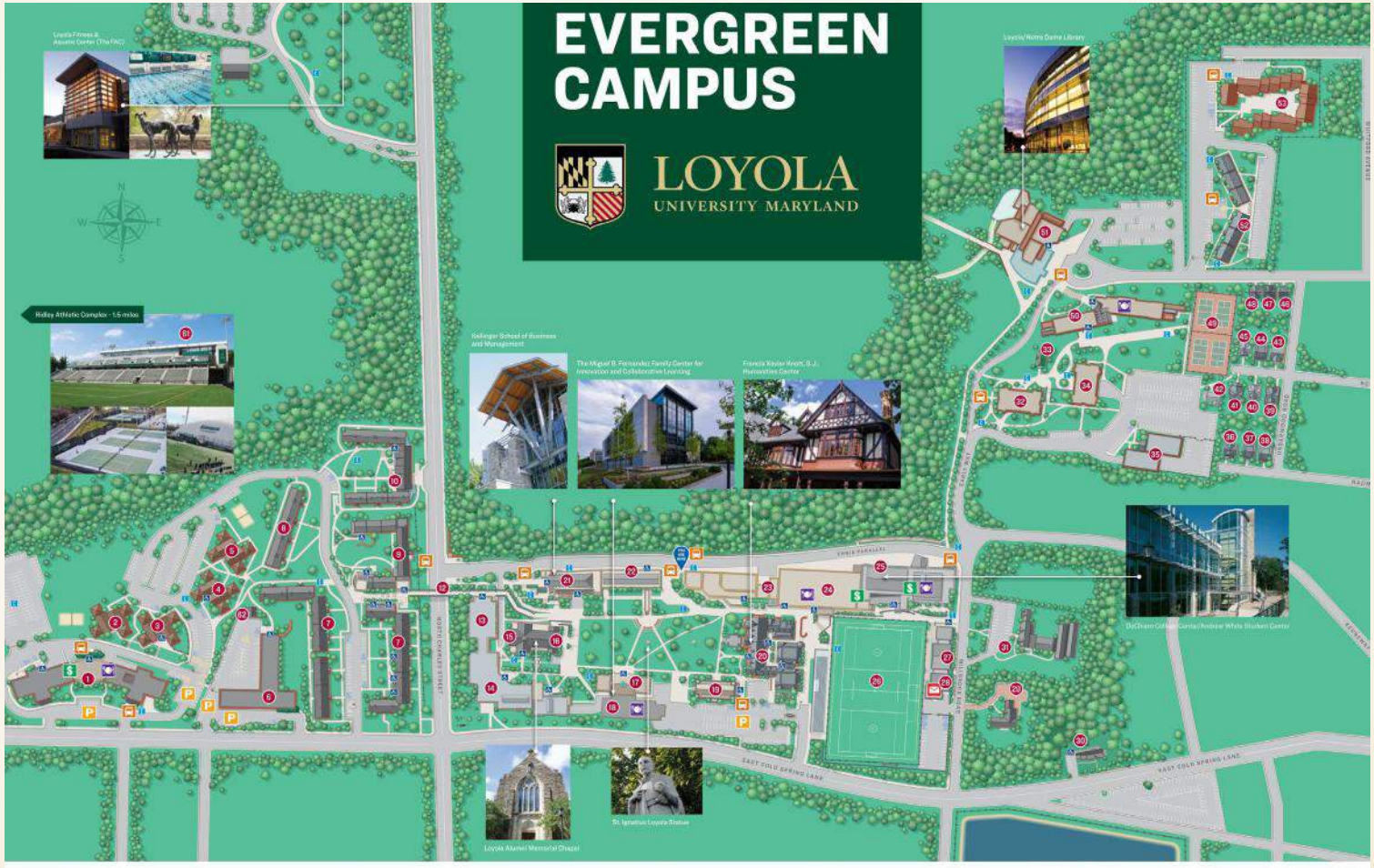
Loyola University Maryland Internal Use Only

Guiding Principles

- Make academic learning visible on Loyola's Evergreen Campus
- Complement and maintain continuity with campus architecture
- Support the University's commitment to strengthening Maryland's workforce, particularly in the critical areas of science, technology, and engineering
- Promote interdisciplinary connections, increased student engagement, and active learning
- Versatile Space: Responsive to changing needs of technology and pedagogy
- Represent Loyola's dedication to sustainability
- Be inclusive and universally accessible; welcoming to different cultures, needs and learning styles

Loyola University Maryland Internal Use Only

Campus Plan—2022

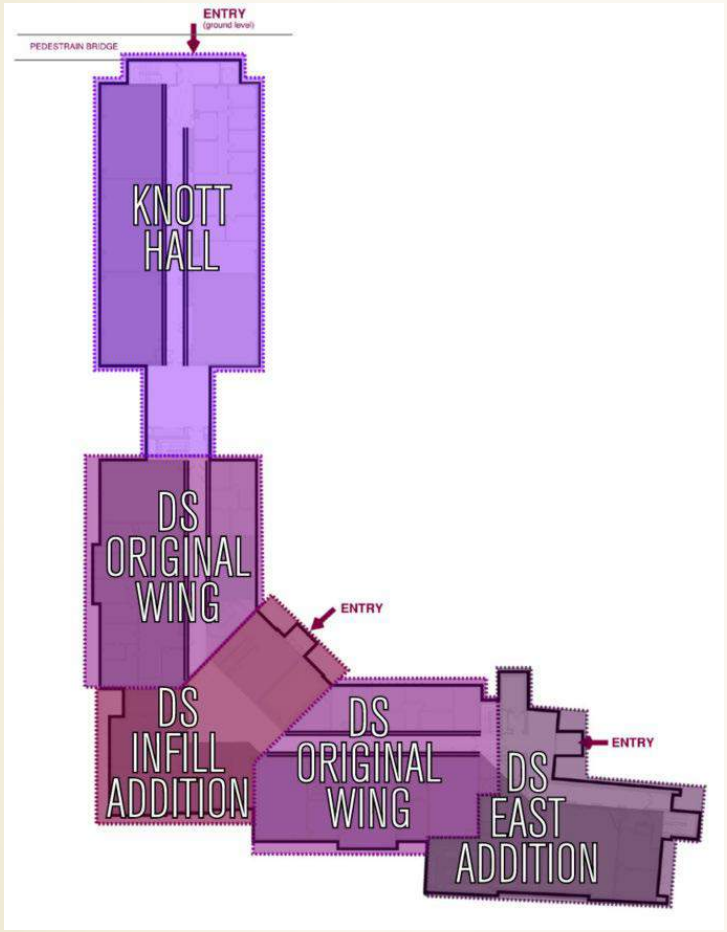


Loyola University Maryland Internal Use Only

Donnelly Science Center—2022

Loyola University Maryland Internal Use Only

Donnelly Science Center Renovation



Building: Constructed in 1979
East Addition in 2000
Infill Addition in 2011

Project: Renovation of approximately 73,000 gross square feet of the existing Donnelly Science Center

Departments in Donnelly Science Center:
Biology, Chemistry, Computer Science and Engineering

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Donnelly Science Center - Project Goals

- Modernize teaching & research lab space
- Stimulate curiosity in the sciences through transparency
- Reinforce interdisciplinary learning with building layout
- Right-size space allocations for academic and administrative programs
- Provide flexible teaching spaces for future pedagogies
- Comply with current building and ADA codes
- Reduce building energy consumption

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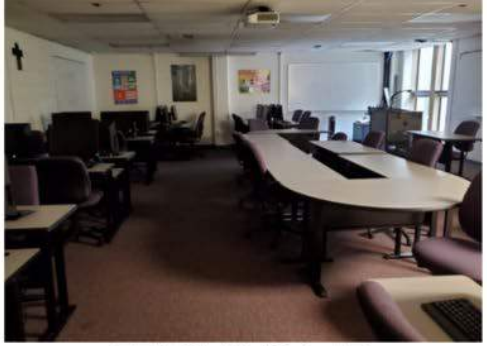
Donnelly Science Center Renovation – Sustainability

Renovating the existing Donnelly Science Center versus building new is inherently green and aligns with the University Green Building and Climate Action Plans. The building will achieve LEED Silver as a minimum.

DS ORIGINAL WINGS

TEACHING LAB



TEACHING LAB

TEACHING LAB

DS EAST ADDITION

TEACHING LAB

RESEARCH LAB

RESEARCH LAB

DS INFILL ADDITION

TEACHING LAB

RESEARCH LAB

RESEARCH LAB

Existing Photos

Virtual Building Tour

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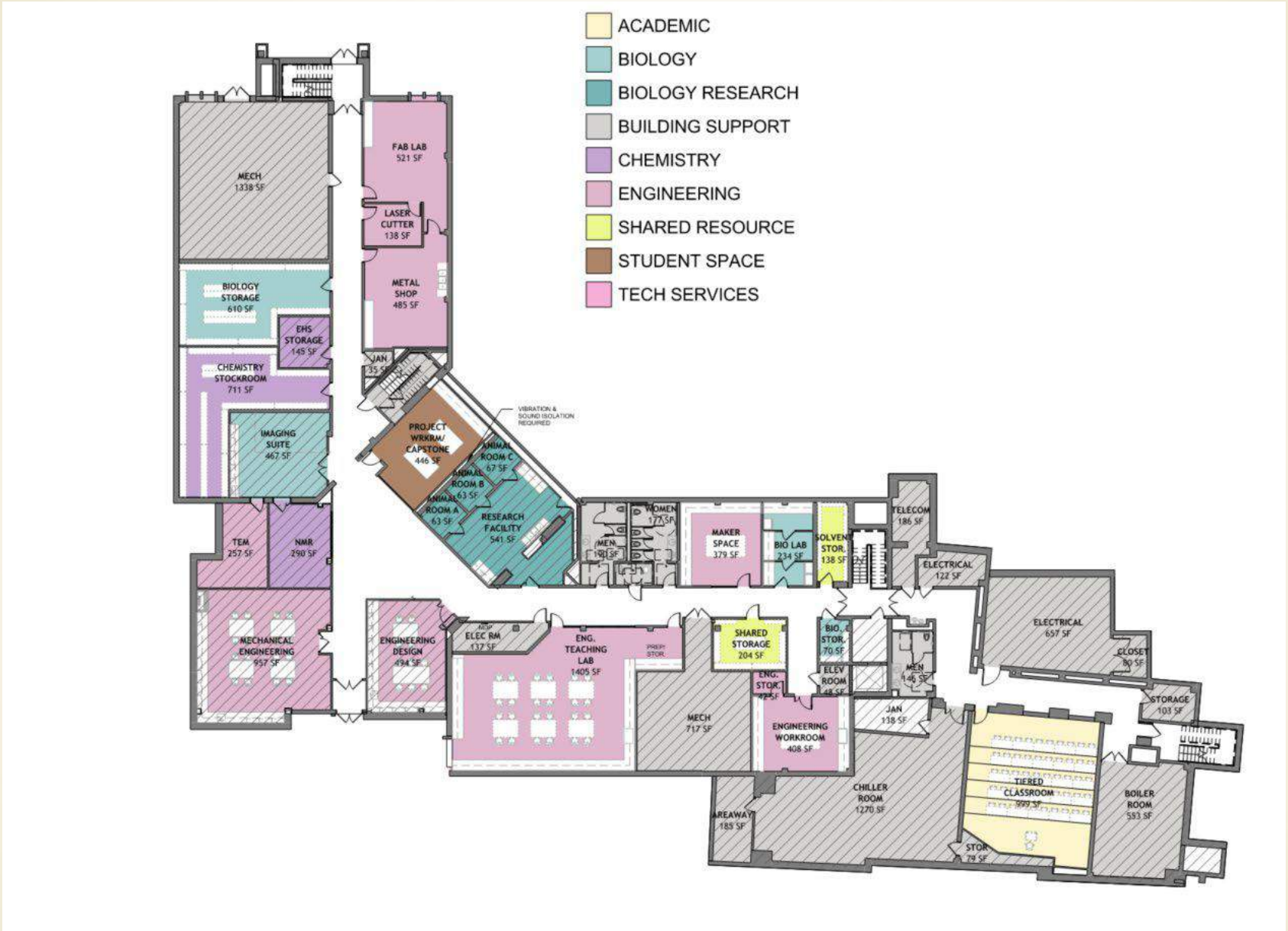

Proposed Ground Level

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Proposed Level-1

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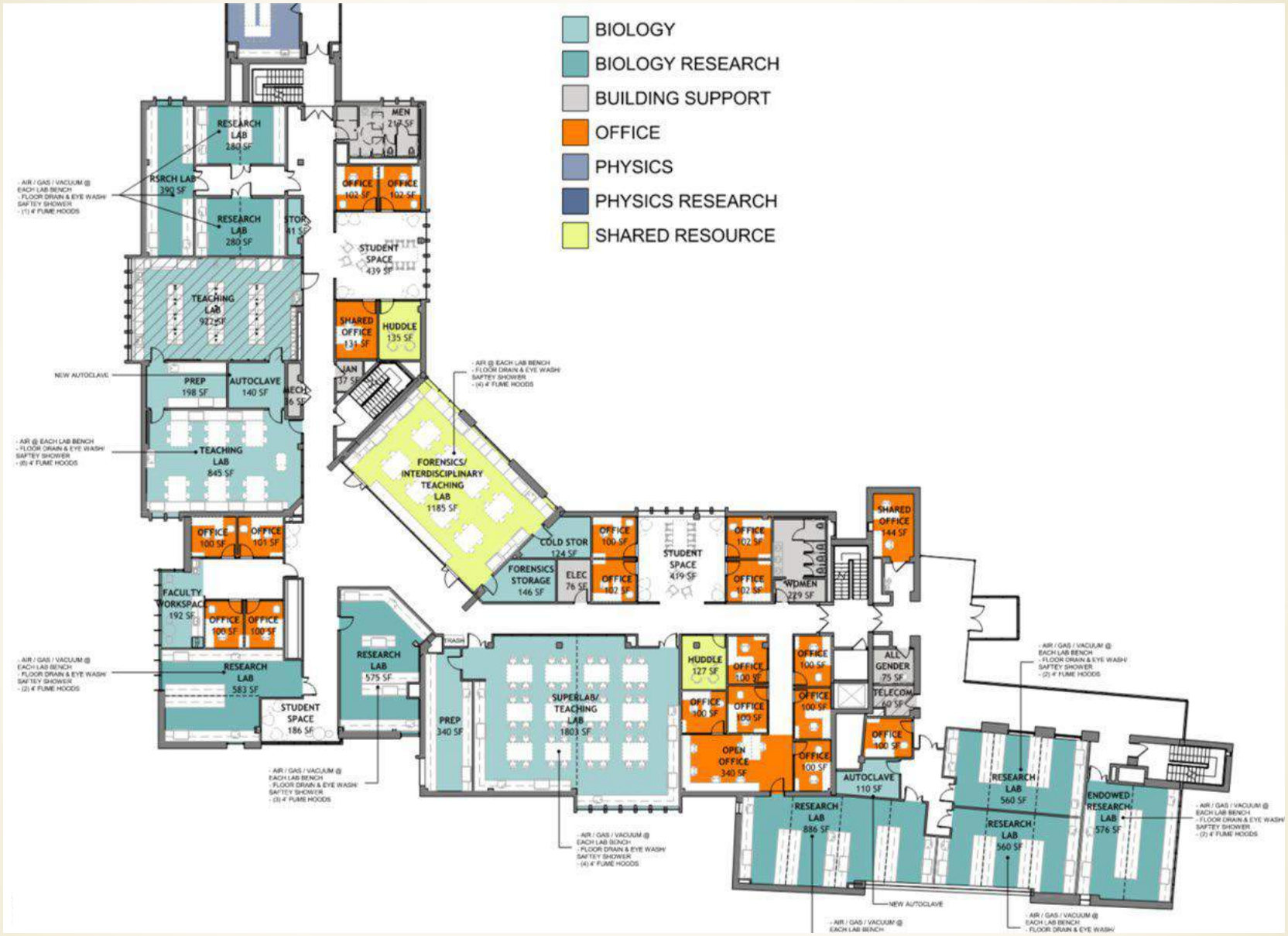

Proposed Level-2

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Proposed Level-3

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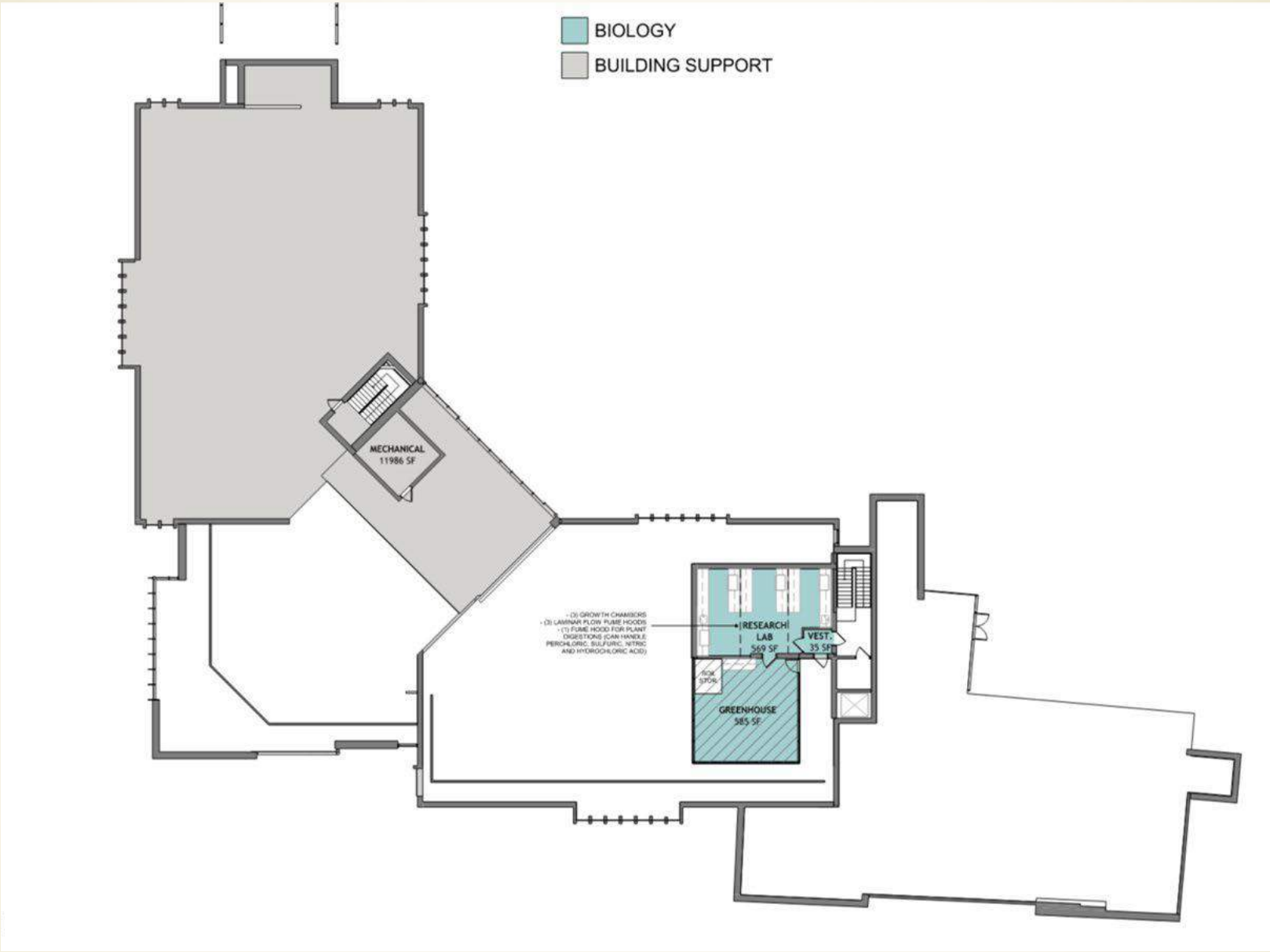

Proposed Level-4

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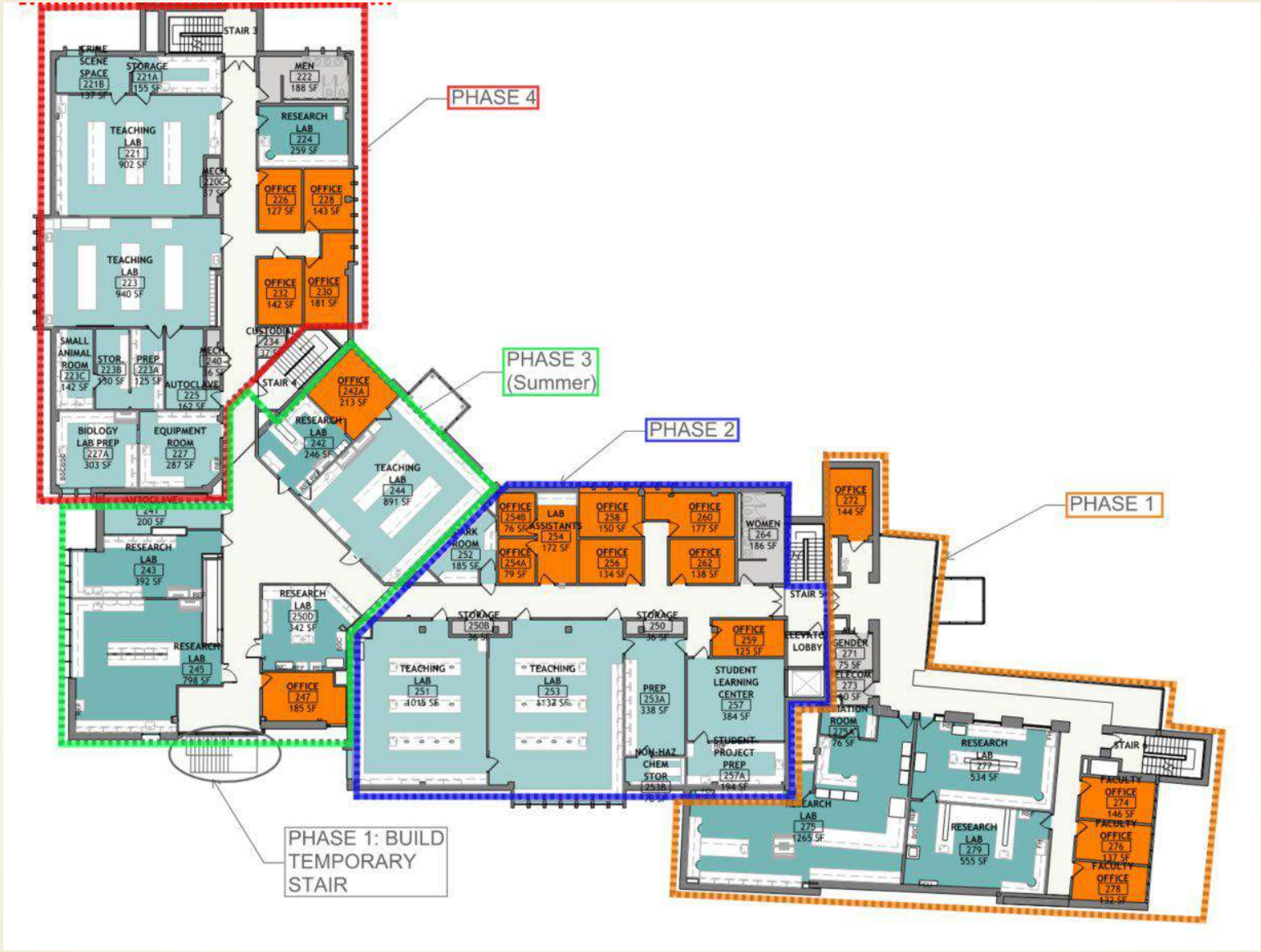

Construction Phasing Plan

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Active Learning Classroom

Interdisciplinary Teaching Lab

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Collaboration Space

Loyola University Maryland

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Donnelly Science Center Renovation

Project Cost:	$36 million estimated	
Funding Sources:	MICUA State Capital Grant	$5 M
	Earmarked University Funds	$10 M
	Capital Campaign	$10 M
	Other (grant requests, etc.)	$11 M
	Total	**$36 M**

Schedule:

Schematic Design:	October 2022 to January 2023
Design Development:	January to March 2023
Construction Documents:	March 2023 to June 2023
Construction:	Summer 2023 to June 2025

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Questions?

DONNELLY SCIENCE CENTER RENOVATION

Loyola University Maryland

1852

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MICUA Capital Project FY2024 Request:

Renovations for Student Learning, Accessibility and Sustainability

October 24, 2022

Overview—Case for Support

- Academic Corridor
  - The core of student life and learning on our campus
  - The most recognizable and architecturally striking structures
    - William Smith Hall
    - The Miller Library
    - The Toll Science Center
    - The Casey Academic Center.
- Pressing needs for renovation to enhance learning, accessibility, and sustainability

William Smith Hall

- Norman James Theatre
  - Full refurbishment
  - Technology upgrade
  - Stage redesign
- Modernize elevator

Stage view of Norman James Theatre

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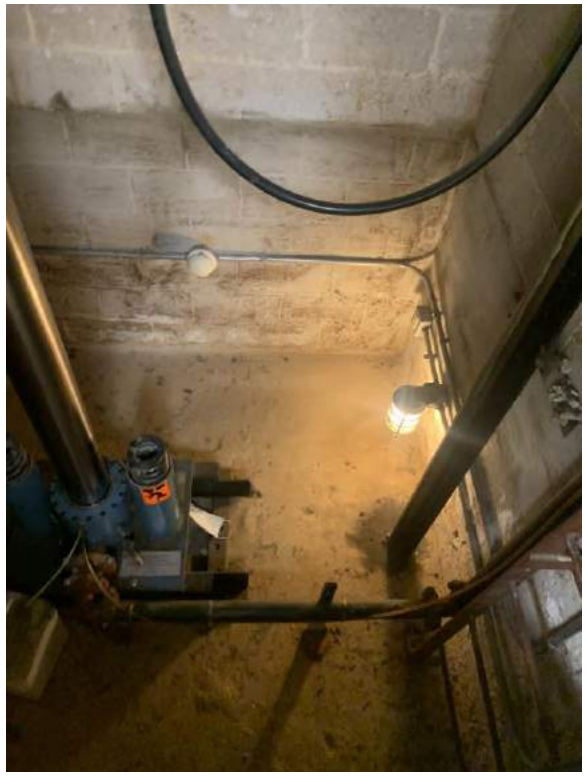
Norman James Theatre Seating & Stage Access

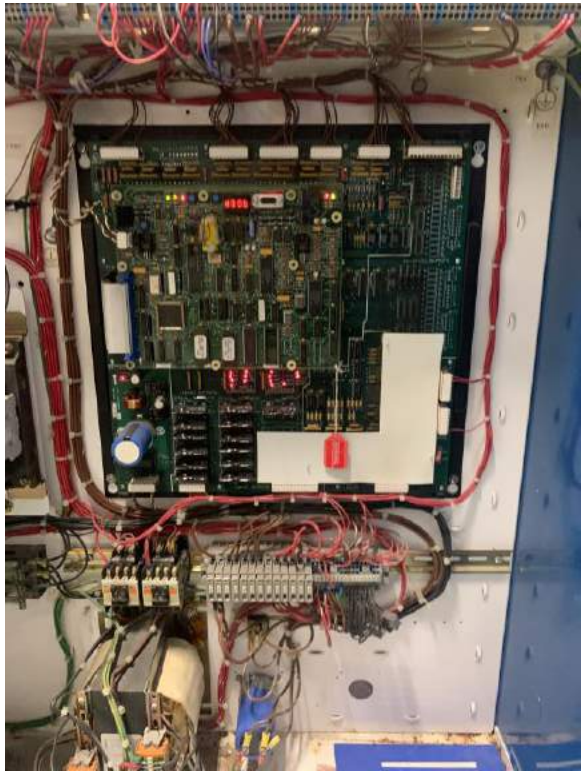
WASHINGTON COLLEGE

William Smith Hall – Restroom Accessibility

WASHINGTON COLLEGE

William Smith Hall – Modernize Elevator





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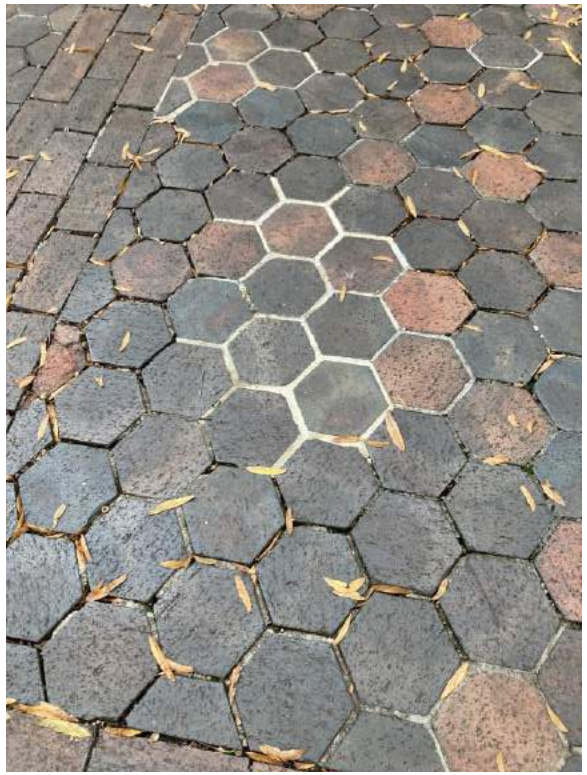
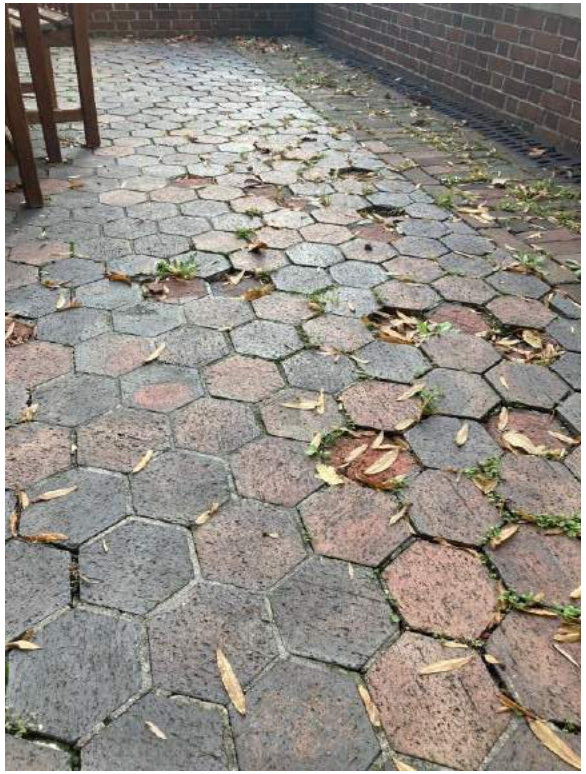
Miller Library

- Terrace transformed into an indispensable outdoor classroom
- Renovation required for:
  - Accessibility
  - Environmental sustainability (reduce runoff with pervious surfaces & dry wells)
- Replacement of eight ground source heat pumps
- Modernize elevator


Washington
WASHINGTON COLLEGE

Miller Library Terrace Surface Challenges



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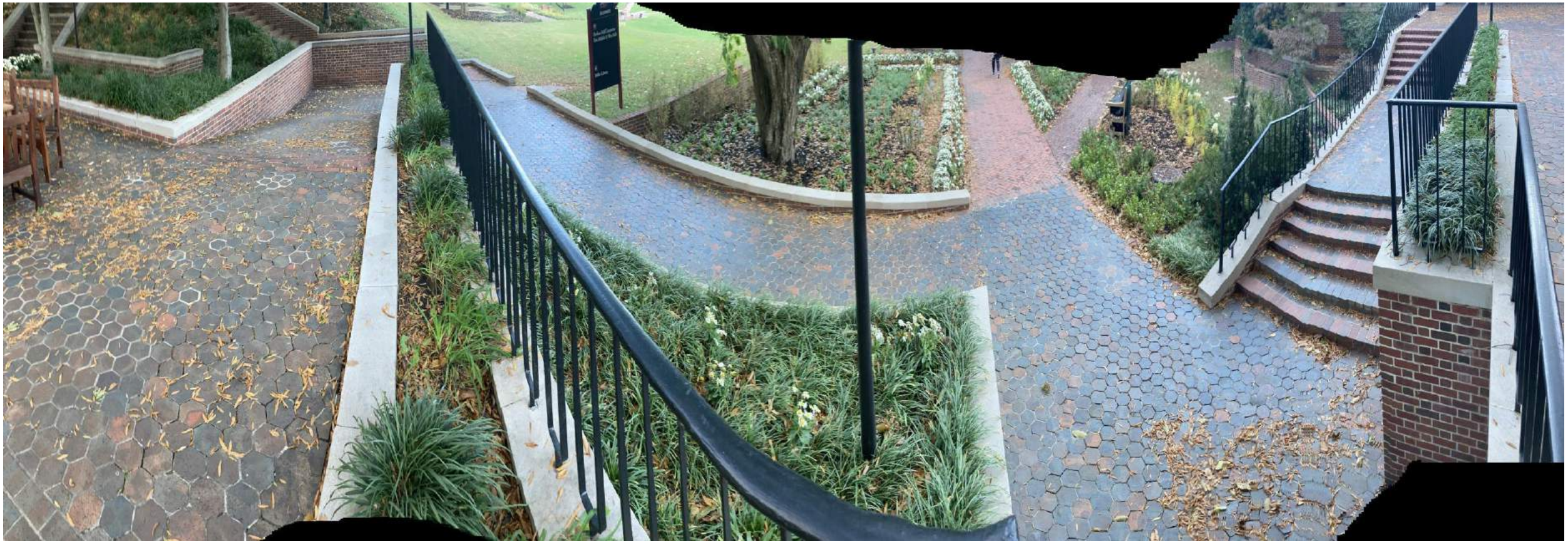
Miller Library Terrace Ramp Slope



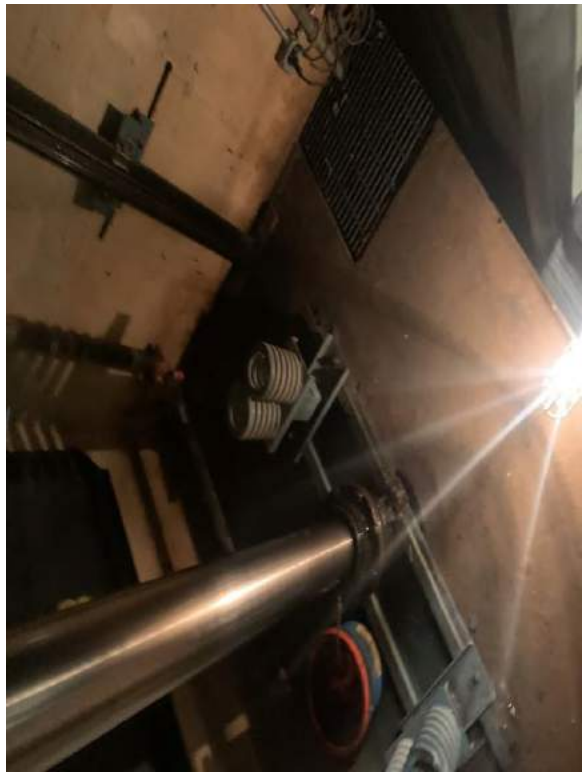
WASHINGTON COLLEGE

Casey Academic Center

- Modernize elevator

- Wood trim surrounding the arched windows in its cupola needs to be replaced

Casey Academic Center – Elevator



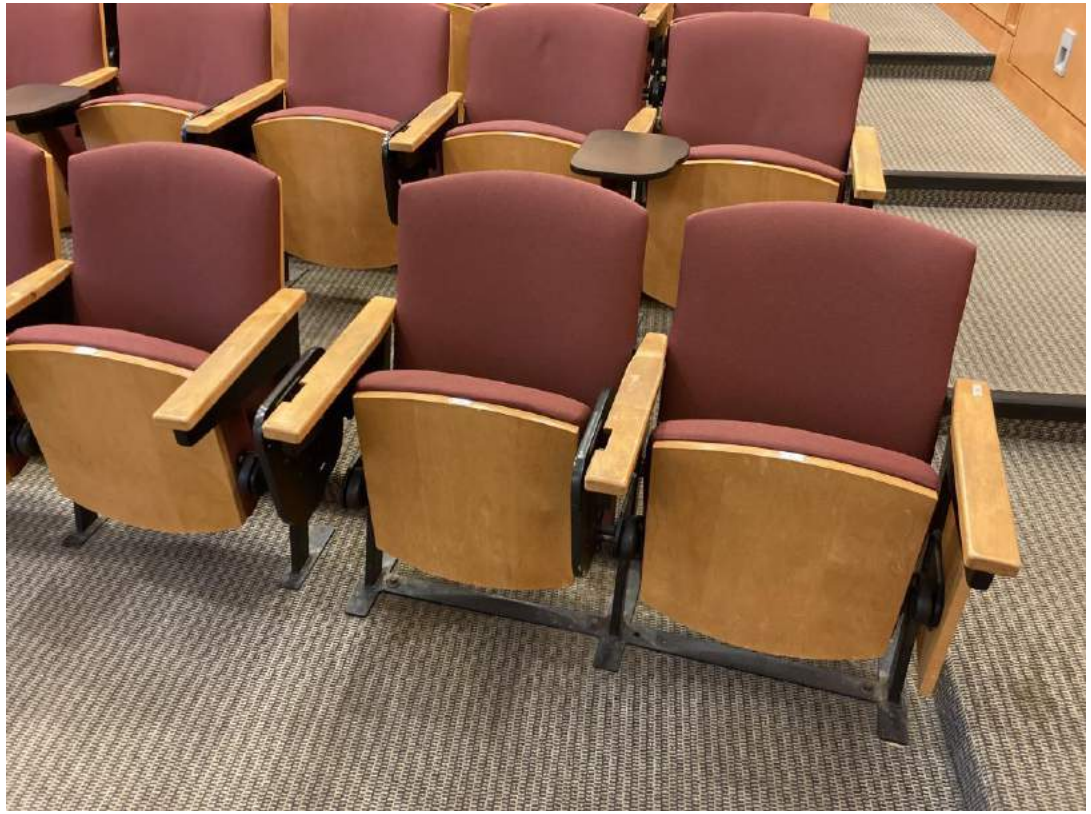

WASHINGTON COLLEGE

Casey Academic Center – Copula

Toll Science Center—the Heart of Washington College STEM

- Building Automation System enhancement would result in energy savings for heating and cooling.
- A.D.A. accessible seating for Litrenta Theater.
- Other renovations:
  - New chiller well roof
  - Repair greenhouse leakage
  - Installation of permanent flashing on the intake gable ledge

Toll Science Center – Litrenta Hall



Toll Science Center – Chiller Well

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Toll Science Center – Green House


Cultural re-emergence & understanding native traditions
among the Swahili people.
Research process and questions
Location: Kenya, Mombasa
Method of collection &
Perspectives
Snowball sampling was the main means of participant and location identification, starting from Fort Jesus. Random sampling was also used to find more participants. Examples are, Uber drivers, people in parks & markets as well a petrol station attendants.
Fort Jesus
Jumba la Mtwana
Wasini Island

Infrastructure Investment

The estimated project investment by buildings:

William Smith Hall	$1,778,000
Toll Science Center	$1,273,000
Miller Library	$1,225,000
Casey Academic Center	$ 456,000
Total	$4,732,000

Funding the Infrastructure Investment

Private Gifts/Contributions	$1,602,270
Budgeted Capital Projects	$1,129,730
State Capital Grant	$2,000,000
Total	$4,732,000