George Mason University

BULL RUN HALL 2, ACADEMIC VIII, & DISCOVERY PROGRAMMING KICKOFF

May 10, 2019









Architect/Engineer Team

Architect EYP

MEP Mueller Associates Inc.

Structural Cagley & Associates

Civil

Landscape Rhodeside & Harwell

Lighting Designer MCLA

AV/IT/Acoustics The Sextant Group

Cost Estimating Forella Group LLC

Specifications Sue McClymonds





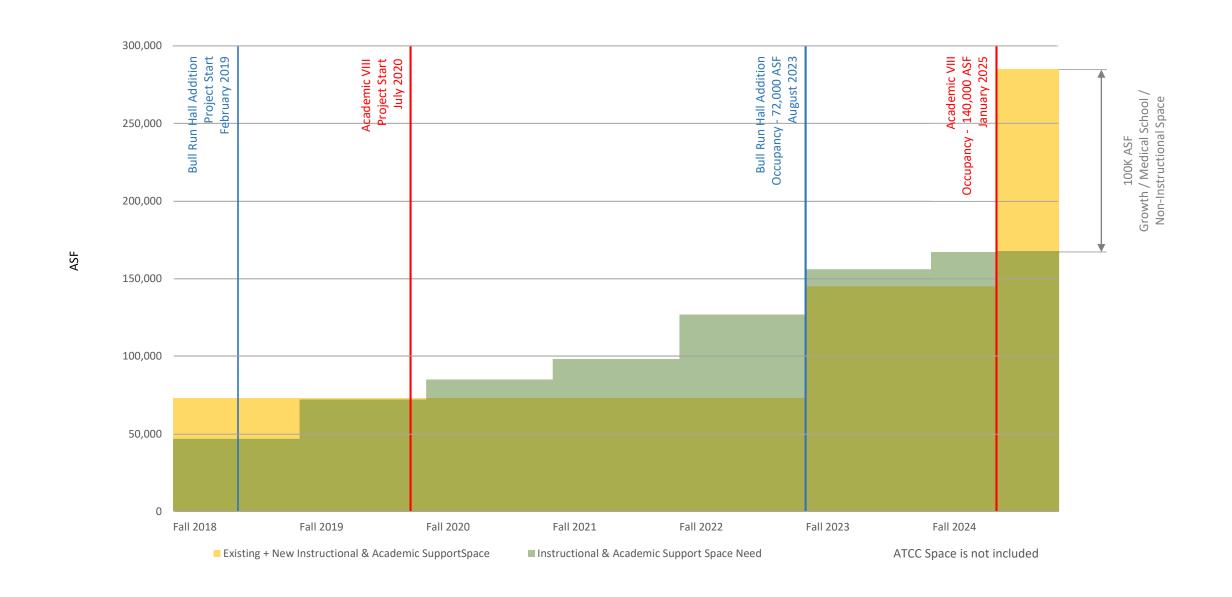








Sci Tech Instructional & Academic Support Space – 3550 FTE





Roles & Responsibilities: Building Committee

Building Committee

CEHD Banville, Dominique

COS McVicker, Carrie

CVPA Nam, Sang

VSE Durant, Liza Wilson

Research Crawford, Deb

Research Hazel, Bill

Provost/Facilities Manno, Laura

Facilities Lipscomb, Doug



Roles & Responsibilities: Stakeholders

CEHD	Ginsberg, Mark	VSE	Barton, Oscar (ME)	VSE	Manitius, Andre (IST)
CEHD	Caswell, Amanda	VSE	Jeff Moran (ME)	VSE	Farrell, Pete (IST)
CEHD	Stroiney, Debra	VSE	Colin Reagle (ME)	VSE	Khondkar Islam (IST)
CEHD	Ford, Martin	VSE	Pei Dong (ME)	VSE	Irene Bruno (IST)
CEHD	Banville, Dominique	VSE	Johnnie Hall (ME)	VSE	Pouyan Ahmadi (IST)
CEHD	Caswell, Shane	VSE	Elizabeth Lattanzi (ME)	VSE	Liz White (CS)
cos	O'Toole, Mary Ellen	VSE	Ramin Bighamian (ME)	VSE	Mark Snyder (CS)
COS	Falsetti, Tony	VSE	Pilgyu Kang (ME)	VSE	Craig Yu (CS)
COS	Weatherspoon, Gerald	VSE	Ali Behesheti (ME)	VSE	Jyh-Ming Lien (CS)
COS	Grant, Gerry	VSE	Erik Knudsen (ME)	VSE	Yotam Gingold (CS)
COS	McVicker, Carrie	VSE	Mehdi Amiri (ME)	VSE	Zoran Duric (CS)
COS	Vaisman, Iosif	VSE	Urgessa, Girum (CEIE)	VSE	Sean Luke (CS)
COS	Rockwood, Larry	VSE	Caroline Hoemann (BIOE)	VSE	Parth Pathak (CS)
COS	Wescoat-Andes, Martha	VSE	Carolina Salvador Morales (BIOE)	VSE	Jones. Jim (CYSE)
CVPA	Nam, Sang	VSE	Remi Veneziano (BIOE)	VSE	Setia, Sanjeev (CS)
CVPA	Davis, Rick	VSE	Shani Ross (BIOE)	Research	Crawford, Deb
CVPA	Martin, Scott	VSE	Juan Cebral (BIOE)	Research	Hazel, Bill
CVPA	Casey, James	VSE	Siddhartha Sikdar (BIOE)	ITS	Allen, Ben
VSE	Durant, Liza Wilson	VSE	Qi Wei (BIOE)	ITS	Clemons, Crystal
VSE	Pyster, Art	VSE	Vicky Ikonomidou (BIOE)	EHSRM	Didier, Paul
VSE	Rose, Joyce	VSE	Buschmann, Michael (BIOE)	Registrar	Xiong, Pheng



Roles & Responsibilities: Facilities Staff Support

Facilities Staff Support

Planning

Manno, Laura

Project Mgmt.

Steele, Virginia

Interiors

Brady, Debbie

Facilities Mgmt.

Drerenberger, Tad

Space Mgmt.

Staulcup, Joy

PD&C

Lipscomb, Doug

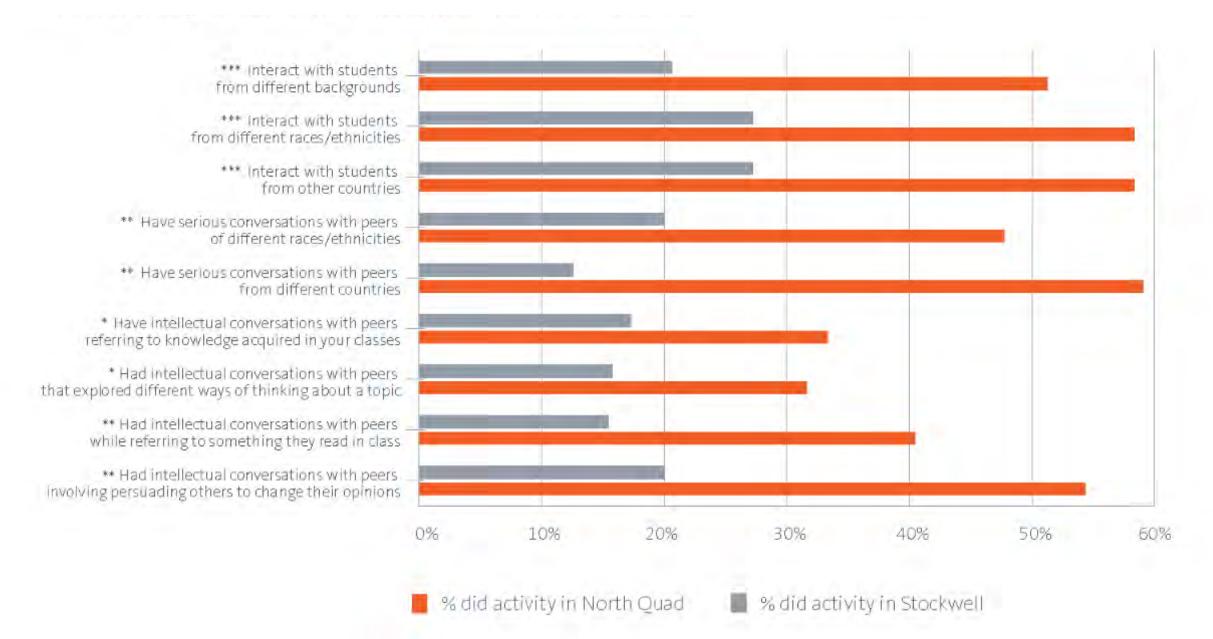


Schedule

Phase	Programming	Schematic Design	Preliminary Design	Working Drawings	Permitting & Bidding	Construction
Durations	3 Months May 2019- August 19	3 Months August 2019- November 2019	4 Months November 2019- March 2020	5 Months March 2020- August 2020	5 Months August 2020- January 2021	27 Months January 2021- June 2023
Key Meetings	Work Session #1: May 20 -21 Work Session #2: June, 10-12 Work Session #3: July 9-11					
User Tasks	Identify Needs Define Activities Specify Specialized Equipment					



Student Engagement

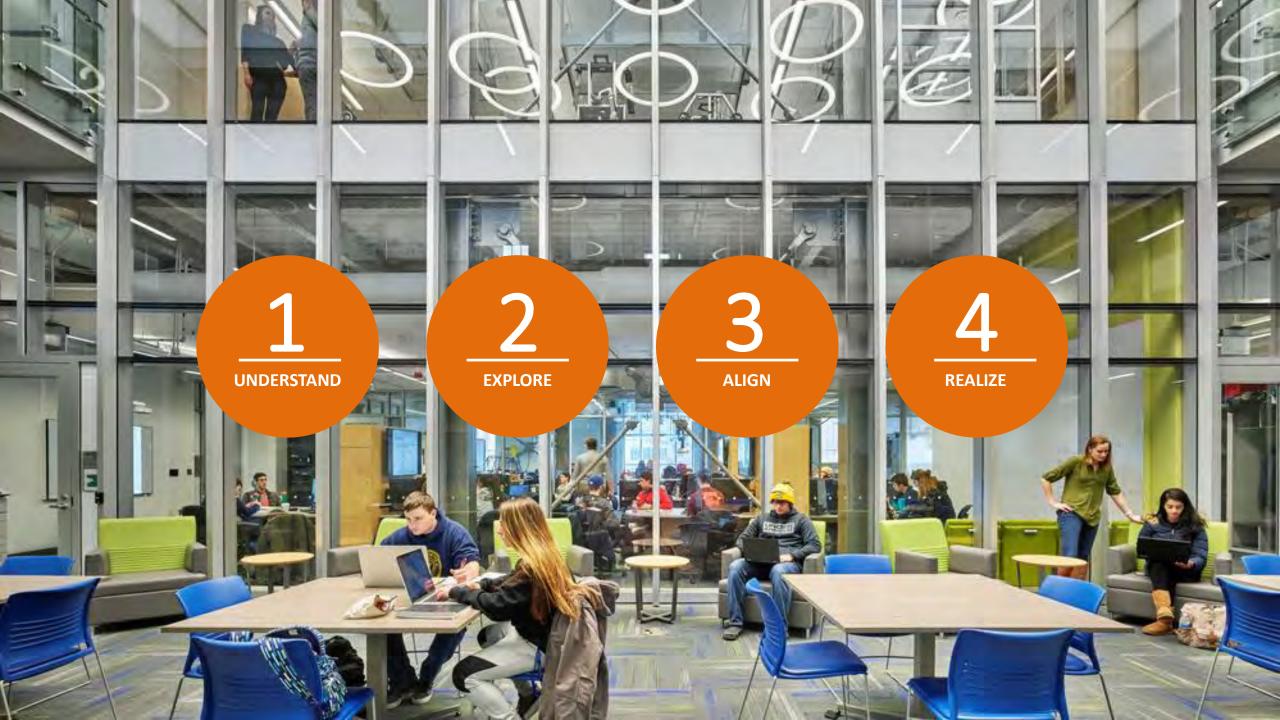


Anticipated Stakeholder Groups

- Instructional Wet Labs & Support Spaces
- Instructional Wet Labs Bio or Chem Intensive
- Instructional Cadaver Lab & Support Spaces
- Other Medical Education Instructional Labs & Spaces
- Instructional Dry Labs & Support Spaces
- Instructional Computer Labs
- Virtual Reality &/or Animation & Support Spaces
- Human Performance/Physiology/Motion Capture
- Student Design Spaces
- Classrooms
- Collaboration Spaces
- Facilities Staff
- Building Committee
- Discovery ATCC









George Mason University Prince William Campus Program Space Requests for Bull Run Addition & Backfill Project

New Addition Scope - Proposed (some additional program adjustment may be required)

9/18/2017 - Final Planning Program

New Addition Program

Item	QTY	Size	Total ASF	Comments	Stakeholders
Specialized Wet Labs (Proposed)					
Instructional wet lab - general	1	3000	3,000	aero, Iluids, environmental, cliemistry, EHS, forensics, others?	VSE-CoS-CEHD-EHS
Instructional wet lab - general	1	3000		aero, fluids, environmental, chemistry, EHS, forensics, others?	VSE-Cos-CEHD-EHS
instructional wet lab - general	1	1400	1,400	aero, fluids, environmental, chemistry, EHS, forensics, others?	VSE-CoS-CEHD-EHS
Instructional Wet lab - bio-intensive	1	3000	3,000	biology, biochemistry, biomedical engineering, UHSOS, G2, kinesiology, forensics, others?	VSE-Cos-CEHD-EHS
Instructional wet lab - chemistry-intensive	1	1,800	1,800	biology, biochemistry, biomedical engineering, USHYS, organic/synthetic chemistry, others?	CoS-VSE
Cadaver Intake and processing	1	400	400	forensics, UHSUS, biology, biomedical engineering, G2, kinesiology, others?	CoS-VSE-CEHD
Cadaver Lab	1	2600	2,600	forensics, UHSUS, biology, biomedical engineering, G2, kinesiology, others?	CoS VSE CEHD
Photography Lab	1	300	300	Studio for development of film	CoS-CVPA-CEIID-VSE
Specialized Wet Lab Requests - Total	J.		15,500		
Specialized Dry Labs (Proposed)					
Dry lab - general	1	3000	3,000	mechanics, manufacturing, materials, robotics, others?	VSE-CoS-CVPA
Dry lab - general	1	3000	3,000	manufacturing, making, robotics, others?	VS -CoS
Dry lab general	1	3000	3,000	manufacturing, making, robotics, others?	VSE-CoS
Dry lab - general	1	1000		forensics, others?	CoS ?
Computer lab general	1	2500		cybersecurity, networking, machine learning/analytics, computer game design, computational science/engineering, others?	VSE-CoS-CVPA
Computer lab - general	1	2500		cybersecurity, networking, machine learning/analytics, computer game design, computational science/engineering, others?	VSE-CVPA-CoS
Computer lab - general	1	960	960	cybersecurity, networking, machine learning/analytics, computer game design, computational science/engineering, others?	VSE-CVPA-CoS
Computer lab - virtual reality	1	1500	1,500	computer game design, human machine interfaces, scientific visualization, others?	CVPA-VSE-CoS
Computer lab - virtual reality and exhibits	1	3000	3,000	computer game design, visualization exhibits, shows, competitions, fund raisers, others?	CVPA-VSE-CoS
Audio post-production lab	1	1200	1,200	computer game design	CVPA-VSE-CoS
Animation lab	1	900	900	computer game design, human-machine interfaces, scientific visualizations, others?	CVPA-VSE-CoS
Motion capture lab	1	1500	1,500	computer game design, information technology, physiology and human performance, biomechanics	CVPA CEHD-VSE
Physiology dry lab	1	10500	10,500	human performancem kinesiology, biomechanics, biology, biomedical engineering, UHSUS, others?	CEHD-VSE-CoS
Open Student Design Space	1	4000	4,000	Will require sink, highly flexible, reconfigurable space to support student design competitions, capstone projects, others?	VSE-CVPA-CEHD-CoS
Open Student Design Space	1	4000	4,000	Will require sink, highly flexible, reconfigurable space to support student design competitions, capstone projects, others?	VSE-CVPA-CEHD-CoS
Specialized Dry Lab Requests - Total	-		42,560		1





SPECIALIZED WET LABS (PROPOSED)



SWIRCHMENTAL ENGINEERING LAB \$600 S*

BIOMEDICAL ENGINEERING LAB Minist.

ORGANIC/SYNTHETIO INSTRUCTIONAL METUAB MEDICAL CHEMISTRY LAB M20 ST

PHOTOGRAPHY LAB CADAVER INTAKE 8 PROCESSING 200 25 400 35

CADAMER LAD 2500 SF

SPECIALIZED DRY LABS (PROPOSED)

MECHANICS MATERIALS 1000 St

MANUFACTUREDO! MACHINIGUAB 1200 SF

ROBOTICS LAB 3500 Sh

CYBER SECURITY LAB 2800 51

MACHINE INTELLIGENCE & DATA 4440LYTICS LAB 2500.67

NETWORKING LAB 550.2=

DRY FORENSICS LAB 1000 57

DESIGN COMPETITION SPACE 4000 EF

CAPSTONE DESIGN 4020127

HEALTH'S HUNARI PERFORMANCE PHYSIOLOGY LAB 10000 5

GAME DESIGN **NSTRUCTION & EXHIBIT** 300035

MOTION CAPITURE STATEO 4600 5=

AUDIO POST PRODUCTION 9,000 1200 35

MANATON STUDIO 900 SF MRIDAL REALITY STEEDS 1200 SF

UNIVERSITY CLASSROOMS

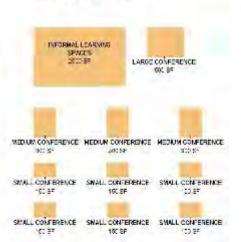
CLASSROOM 2150.8F

TO SEAT ACTIVE LEARNING OF SEAT ACTIVE LEARNING COMPUTER LAB CLASSROOM 000 SF

INSTRUCTIONAL 1000 SF

30 SEAT ACTIVE LEARNING 32 SEAT ACTIVE LEARNING CLASSROOM CLASSROOM 960 57 961 SF

COLLABORATION



SHARED WORK SPACE

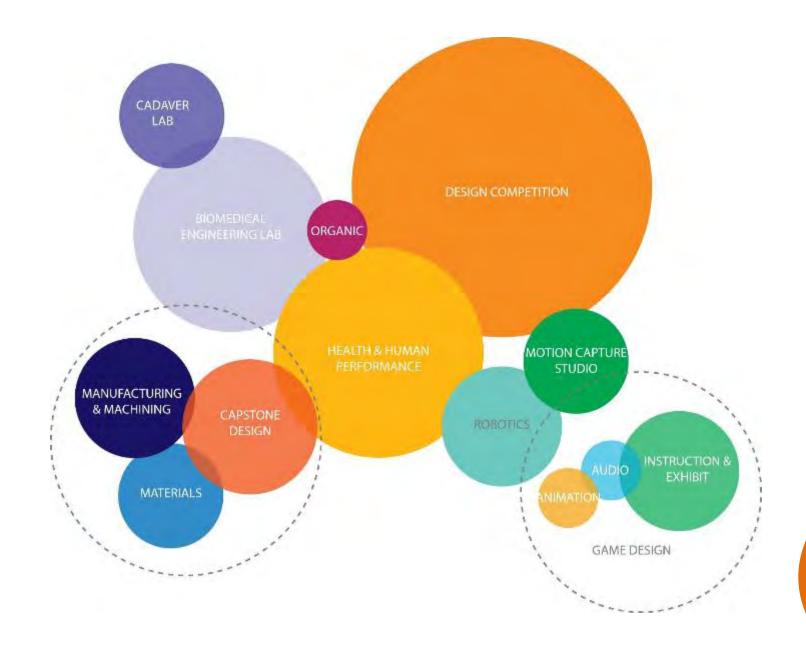


SUPPORT



ROOM USE LEGEND **Building Support** Classroom **Dedicated Support** Faculty/Student Support Teaching Lab



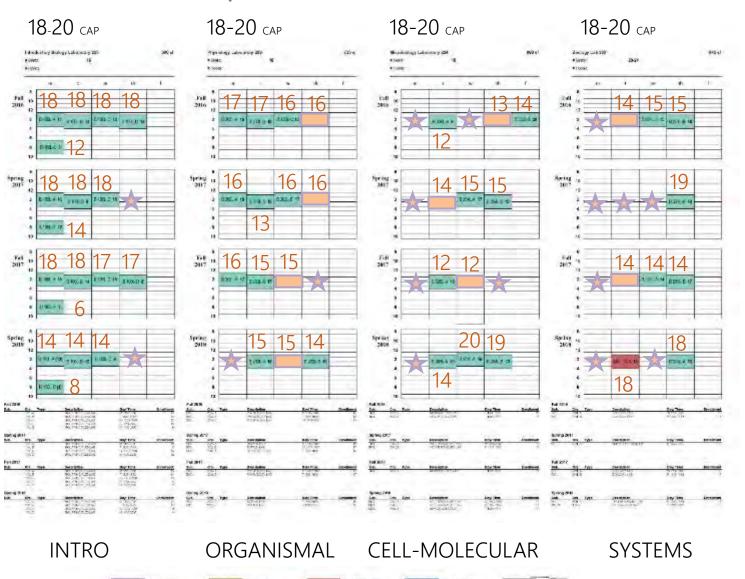








Utilization Analysis



33% growth 2018.04.16 BIOLOGY T. LABS UTILIZATION

















e p	umber				Hoods	ar flow hoods	ions	Size	s Req'd	P.	are Feet Area
Dept. Code	Space Nun	Space Name	Space Needs	Required Adjacencies	# Fume Ho	# Laminar	# of station	Station Siz	# Spaces F	Size Req'd	Net Square

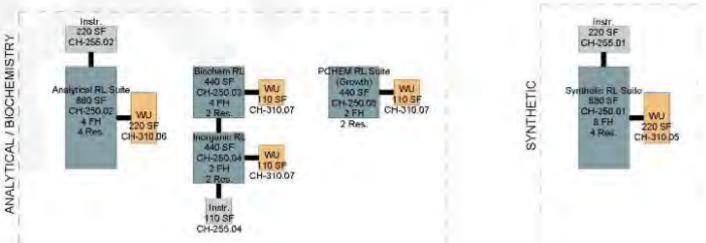
2 Teaching and Research Laboratories - Low Bay

Laboratories

	2.01	Electronics Teaching Lab	Shared (2 per) workstations with common electronic instrument, tools, power strips, soldering station, magnifier lights, solder vapor filter	Electronic Instrumentation Lab	0		12	6'x3'	1	1,300	1,300
	2.02	Electronics Instrumentation Lab	Workbenches for electronic repair, storage cabinets, bench top soldering	Electronics Teaching Lab					1	500	500
8	2.03	Microbiology Teaching Lab	bench space and open area for lab activities with larger pilot scale equipment, storage, visible from the corridor	Shared Support	2		16	3 LF per stud.	1	1,300	1,300
	2.04	Microbiological Engineering Lab	teaching and research groups, 8 research and 10-15 students in teaching, Class 100,000, Biosafety level 2, visible from the corridor.	Shared Support, PI and Graduate Students	1	1			1	1,300	1,300
	2.05	Fermentation Research Lab	class 100,000, Biosafety level 2, bench top equipment and open area for equipment, visible from the corridor.	Shared Support, PI and Graduate Students	1	1			1	500	500
	2.06	Microbiology/Fermentati on lab	5-10 researchers, 10-15 students for teaching, 2 biosafety hoods, a separate room for Biosafety cabinets and equipment, adjacent and connected to the lab area. Visible from the corridor	Shared support, Biomass receiving, Bioprocessing and Graduate Students	2	1			1	1,300	1,300



Lab Prep 275 SF Spatial Adjacencies CH-215.04 Balance Room 450 ADVANCED Adv Chem, Lab 1320 SF Analytical / Classroom Study Classrogin CH-210.04 Biochemistry 660 SF 660 SF 990 SF 16 Seats Classroom Instruments. 48 Scala 32 Scals CH-410.01 550 SF 1320 SF (See Shared) (See Shared) 16 Seals CH-215.06 (See Shared) Vest. 4111 165 SF CH-210.04A Technicion 100 SF CH-310.04 1 Sout Vest. 165 SF Vest. Classroom Vest 660 SF Gen, Chem, Lab 2 2200 SF 165 SF Org. Chem. Lab 1760 SF GENERAL Gen. Chem. Lab 1 24 Seats CH-210.03A 2200 SF (See Shared) CH-210.01A CH-218.02A CH-210.01 CH-210.02 CH-210.03 32 Seats 24 Seats 44 Seals Lab Prep Lab Prep 015 SF NMR 825 SF 1291 & 2F- CH-215.01 CH-215.03 330 SF 2FH 16 TH & 20ISP FH 20 SP FH CH-215.05 Instr. instr. 220 SF 220 SF CH-255.02 CH-255.01 POHEM RL Suite Binchem RL





ORGANIC





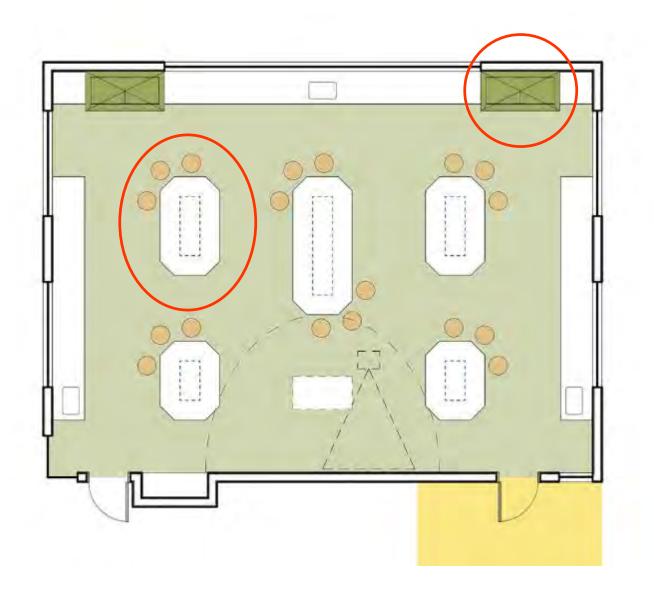
Multi-Disciplinary Teaching Laboratories

Biology

• Groups of 2 or 4

Chemistry

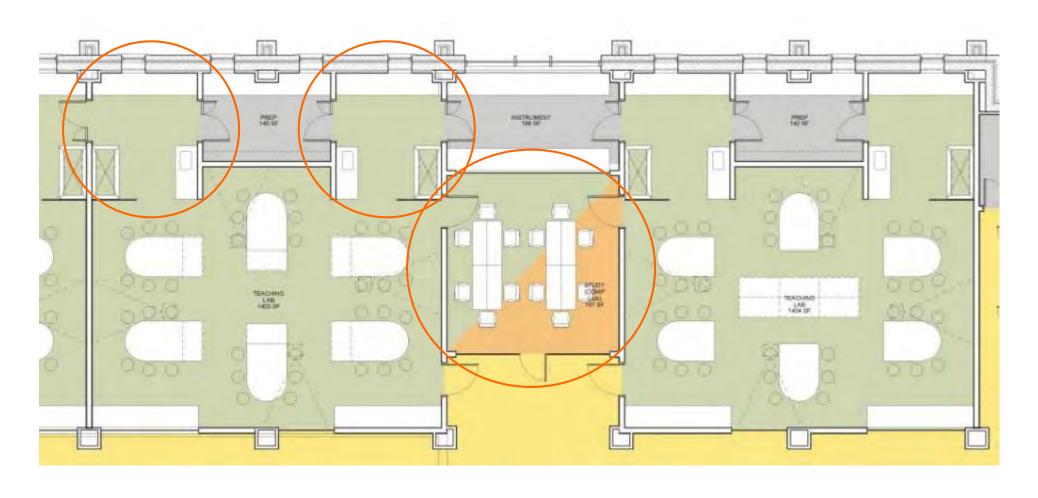
• Groups of 3







Interdisciplinary Science



































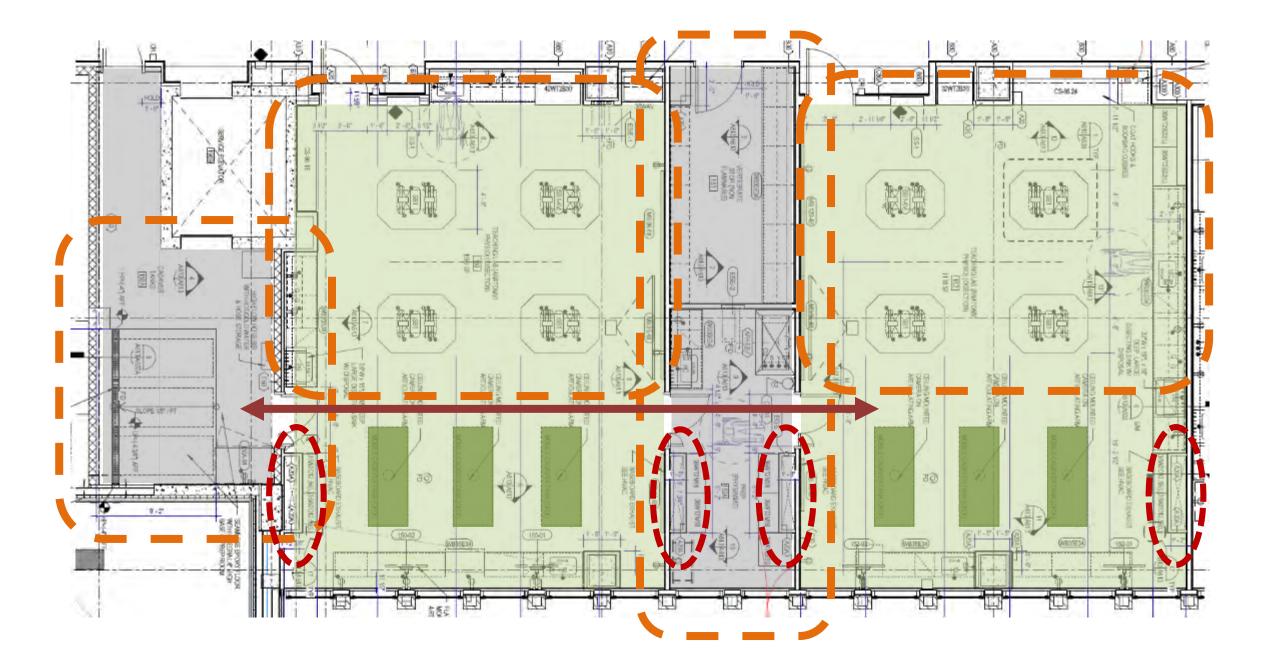










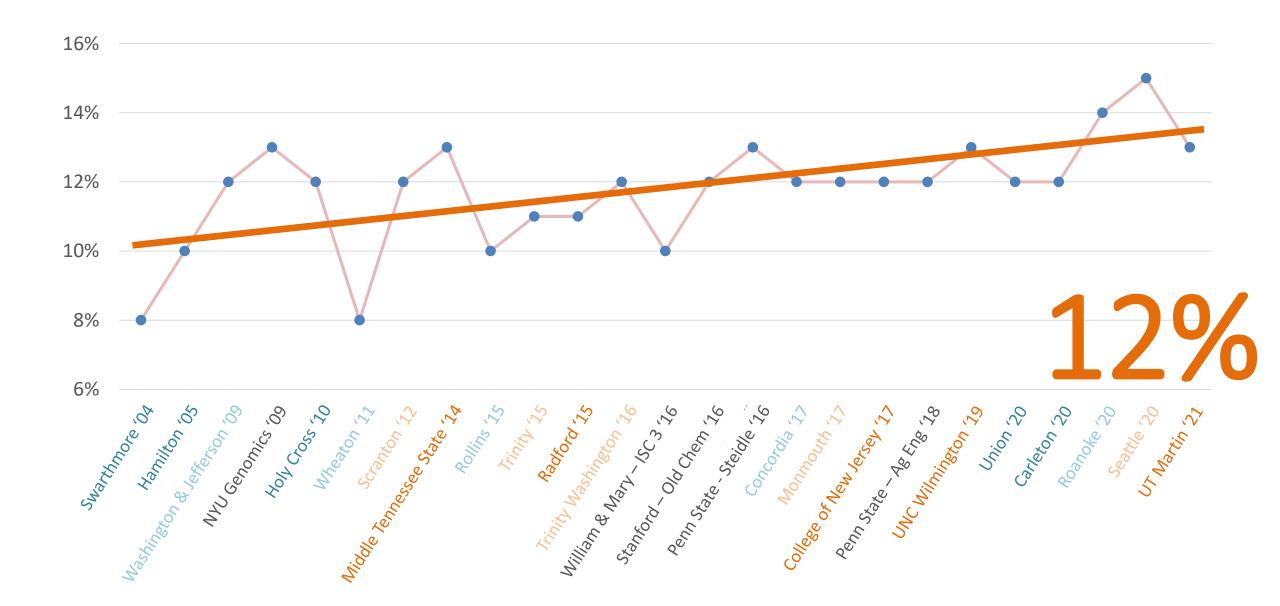




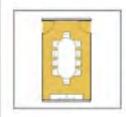




Collaboration Areas @ 25 Colleges & Universities









/ Enclosed, Scheduled







/ Enclosed, Unscheduled



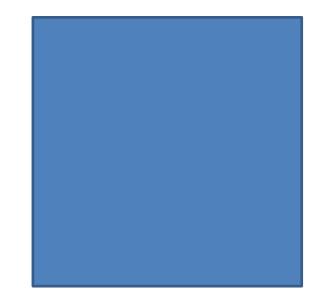




/ Open, Informal



Project Definition





Bull Run Hall Addition Program Summary					
Total Gross SF of Building (GSF)	100,000				
State-mandated efficiency factor (72%)	0.72				
Total Assignable SF for Allocation (ASF) 7					
Bull Run Hall Addition Program Breakdown					
Specialed Wet Labs - Instructional	15,500				
Specialized Dry Labs - Instructional	42,560				
Shared Work Space	2,706				
University Classrooms	9,080				
Meeting & Conference	2,300				
Specialized Building & Support Space					
Total Assignable SF (ASF)	72,786				

132,000ASF

Academic VIII Program Summary						
Total Gross SF of Building (GSF)	200,000					
State-mandated efficiency factor (66%)	0.66					
Total Assignable SF for Allocation (ASF) 132						
A and and a VIII Dun annua Dun abalanca						
Academic VIII Program Breakdown						
Academic & Instructional Support	111,000					
Ğ	111,000					
Academic & Instructional Support	· · · · · · · · · · · · · · · · · · ·					

24,000 ASF

Discovery Hall - Current ATCC Space							
Total Assignable SF of Building (ASF)	23,874						
Vacated by ATCC July 2020	16,688						
Vacated by ATCC January 2021	7,186						
Discovery Hall - Current ATCC Space Program Break	down						
Wet Labs & Lab Support Spaces (vacated July 2020)	11,700						
Office & Office Support Spaces (vacated July 2020)	4,988						
Dry Research Lab (vacated Jan 2021)	696						
Office & Office Support Spaces (vacated Jan 2021)							
Total Assignable SF (ASF)	23,874						

Sci Tech Future Program Needs SCHEV E&G Student Service/Support Departments

Division	Department Name	FX ASF	FX FTE (Fall 2018)	ASF/FTE	SciTech FTE (6- yr Plan)	Calculated ASF	Sci/Tech Current ASF	Remaining ASF Need
Provost	MIX Admin/Operations	20,491	22,869	0.90	3,550	3,181	0	3,181
Provost	Global Education Office	3,348	22,869	0.15	3,550	520	0	520
Provost	Office of Undergrad Educ/OSCAR	2,352	22,869	0.10	3,550	365	0	365
Provost	Admiss-Office of Military Svcs	972	22,869	0.04	3,550	151	0	151
Provost	Admissions	14,612	22,869	0.64	3,550	2,268	0	2,268
Provost	Ctr Acad Advising, Retent, Transition	4,173	22,869	0.18	3,550	648	0	648
Provost	Enrollment Central	753	22,869	0.03	3,550	117	153	-36
Provost	Student Financial Aid	5,094	22,869	0.22	3,550	791	0	791
Provost	Office of the Registrar	6,951	22,869	0.30	3,550	1,079	1,234	-155
University Life	Career Services	7,341	22,869	0.32	3,550	1,140	0	1,140
Fnan & Admin	Student Accounts	3,698	22,869	0.16	3,550	574	0	574
Fnan & Admin	Cash Office and ALM	1,493	22,869	0.07	3,550	232	0	232
		71,278				11,065	1,387	9,678

Sci Tech Future Program Needs SCHEV E&G Admin/Central Service/Support Departments

Division	Department Name	FX ASF	FX FTE (Fall 2018)	ASF/FTE	SciTech FTE (6- yr Plan)	Calculated ASF	Sci/Tech Current ASF	Remaining ASF Need
Provost	Sponsored Programs Administration		22,869	0.30	3,550	1,066	0	1,066
Provost	Provost Administration	12,679	22,869	0.55	3,550	1,968	0	1,968
Provost	Stearns Ctr for Teaching/Learning	3,849	22,869	0.17	3,550	597	226	371
Provost	Inst Assessment, Research & Effectiveness	2,330	22,869	0.10	3,550	362	0	362
Provost	Executive and Professional Education	-	22,869	0.00	3,550	0	1,134	-1,134
Fnan & Admin	Office Compliance, Diversity, Ethics	3,205	22,869	0.14	3,550	498	0	498
Fnan & Admin	SEERM / Environ HIth & Safety	5,897	22,869	0.26	3,550	915	3,519	-2,604
Fnan & Admin	ITS (LSS) - Classroom & Lab Tech/Design	16,028	22,869	0.70	3,550	2,488	3,199	-711
Fnan & Admin	ITS (ESD) - Technology Support Svcs	5,487	22,869	0.24	3,550	852	750	102
Fnan & Admin	ITS (LSS) - Learning Support Svcs	11,028	22,869	0.48	3,550	1,712	389	1,323
Fnan & Admin	ITS (ISO) - Information Security	1,690	22,869	0.07	3,550	262	0	262
Fnan & Admin	ITS (AS) - GMU-TV	5,653	22,869	0.25	3,550	878	0	878
Fnan & Admin	ITS - Admin/Shared Space	4,148	22,869	0.18	3,550	644	0	644
Fnan & Admin	ITS (EA) - Enterprise Applications	5,186	22,869	0.23	3,550	805	0	805
Fnan & Admin	ITS (EIS) - Ent Servers & Messaging/Data Ctr	8,518	22,869	0.37	3,550	1,322	0	1,322
Fnan & Admin	ITS (EIS) - Network Engr & Tech/Collab Video Tech	6,475	22,869	0.28	3,550	1,005	0	1,005
Fnan & Admin	ITS (ESD) - Strategic Business Ops	3,468	22,869	0.15	3,550	538	0	538
Fnan & Admin	Accounts Payable Department	2,299	22,869	0.10	3,550	357	0	357
Fnan & Admin	Purchasing Office	2,430	22,869	0.11	3,550	377	0	377
Fnan & Admin	Human Resources Administration	13,332	22,869	0.58	3,550	2,070	0	2,070
Fnan & Admin	Police & Public Safety	7,261	22,869	0.32	3,550	1,127	1,190	-63
Facilities	Facilities Mgmt Admin	5,180	22,869	0.23	3,550	804	3,826	-3,022
Facilities	Central Warehouse	21,078	22,869	0.92	3,550	3,272	0	3,272
Facilities	EQE-Central Heat/Cooling Plant	1,175	22,869	0.05	3,550	182	0	182
Facilities	Waste Management/Recycling	939	22,869	0.04	3,550	146	0	146
Comm & Mktg	Information Services	2,848	22,869	0.12	3,550	442	90	352
Comm & Mktg	University Events (office/support)	2,388	22,869	0.10	3,550	371	0	371
		161,438				25,061	14,323	10,738

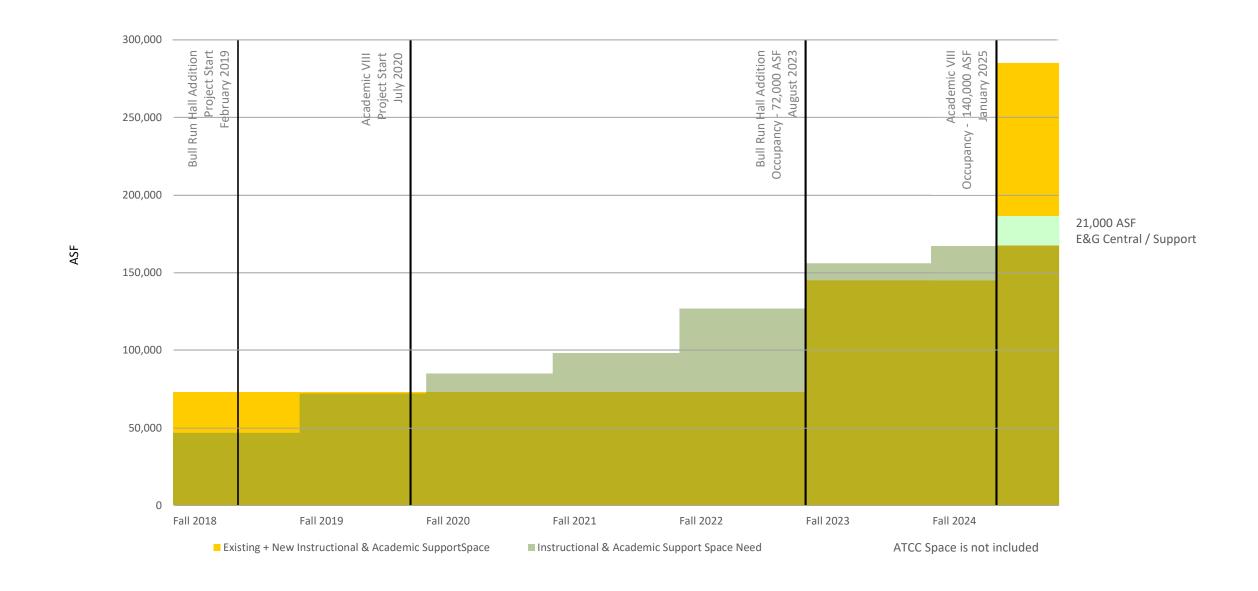
Sci Tech Future Program Needs SCHEV Auxiliary Student Service/Support Departments

Division	Department Name	FX ASF	FX FTE (Fall 2018)	ASF/FTE	SciTech FTE (6- yr Plan)	Calculated ASF	Sci/Tech Current ASF	Remaining ASF Need
University Life	Office of Student Involvement-Campus Life	8,523	22,869	0.37	3,550	1,323	0	1,323
University Life	Student Government	893	22,869	0.04	3,550	139	0	139
University Life	Graduate Student Life Office	157	22,869	0.01	3,550	24	0	24
University Life	Student Organizations	1,908	22,869	0.08	3,550	296	0	296
University Life	Office of Internatl Programs & Svcs	3,167	22,869	0.14	3,550	492	0	492
University Life	Student Media Group	7,395	22,869	0.32	3,550	1,148	0	1,148
University Life	Diversity/Inclusion/Multicult Ed & LGBTQ Resources	4,991	22,869	0.22	3,550	775	0	775
University Life	Student Health Services	9,464	22,869	0.41	3,550	1,469	1,130	339
University Life	Student Support & Advocacy Center	2,986	22,869	0.13	3,550	464	0	464
University Life	Counseling & Psychological Services	7,502	22,869	0.33	3,550	1,165	0	1,165
University Life	Learning Services	1,388	22,869	0.06	3,550	215	0	215
University Life	Early Identification Program	2,906	22,869	0.13	3,550	451	0	451
University Life	New Student & Family Programs	3,686	22,869	0.16	3,550	572	0	572
University Life	Office of Disability Services	3,726	22,869	0.16	3,550	578	0	578
University Life	University Life Admin & Programs	9,826	22,869	0.43	3,550	1,525	1,757	-232
University Life	Leadership Educ/Devel (LEAD)	1,467	22,869	0.06	3,550	228	0	228
University Life	Office Acad Integrity/Student Conduct	2,776	22,869	0.12	3,550	431	0	431
University Life	Off-Campus Student Services	759	22,869	0.03	3,550	118	0	118
		73,520				11,413	2,887	8,526

Sci Tech Future Program Needs SCHEV Auxiliary Admin/Central Service/Support Departments

Division	Department Name	FX ASF	FX FTE (Fall 2018)	ASF/FTE	SciTech FTE (6- yr Plan)	Calculated ASF	Sci/Tech Current ASF	Remaining ASF Need
Fnan & Admin	Photo ID/Card Office*	798	22,869	0.03	3,550	124	0	124
Fnan & Admin	CASO-Card Access/Security Office	861	22,869	0.04	3,550	134	0	134
Fnan & Admin	Auxiliary Enterprise Administration	3,295	22,869	0.14	3,550	511	0	511
Fnan & Admin	Mail Room Operations	3,218	22,869	0.14	3,550	500	0	500
Fnan & Admin	Print Services Admin/Ops	5,080	22,869	0.22	3,550	789	1,000	-211
Fnan & Admin	Student Centers Admin	2,580	22,869	0.11	3,550	401	0	401
Fnan & Admin	Mason Bookstore/Computer Store-Barnes & Noble	20,997	22,869	0.92	3,550	3,259	1,189	2,070
Fnan & Admin	Transportation Administration	3,867	22,869	0.17	3,550	600	121	479
		40,696				6,317	2,310	4,007

Sci Tech Instructional & Academic Support Space – 3550 FTE



Bull Run Hall Addition – Specialized Spaces

Item	QTY	Size	Total ASF	Comments
Specialized Wet Labs (Proposed)				
Instructional wet lab - general	1	3000	3,000	aero, fluids, environmental, chemistry, EHS, forensics, others?
Instructional wet lab - general	1	3000	3,000	aero, fluids, environmental, chemistry, EHS, forensics, others?
instructional wet Lab - general	1	1400	1,400	aero, fluids, environmental, chemistry, EHS, forensics, others?
Instructional Wet lab - bio-intensive	1	3000	3,000	biology, biochemistry, biomedical engineering, UHSUS, G2, kinesiology, forensics, others?
Instructional wet lab - chemistry-intensive	1	1800	1,800	biology, biochemistry, biomedical engineering, USHYS, organic/synthetic chemistry, others?
Cadaver Intake and processing	1	400	400	forensics, UHSUS, biology, biomedical engineering, G2, kinesiology, others?
Cadaver Lab	1	2600	2,600	forensics, UHSUS, biology, biomedical engineering, G2, kinesiology, others?
Photography Lab	1	300	300	Studio for development of film
Specialized Wet Lab Requests - Total			15,500	
Specialized Dry Labs (Proposed)				
Dry lab - general	1	3000	3,000	mechanics, manufacturing, materials, robotics, others?
Dry lab - general	1	3000	3,000	manufacturing, making, robotics, others?
Dry lab - general	1	3000	3,000	manufacturing, making, robotics, others?
Dry lab - general	1	1000	1,000	forensics, others?
Computer lab - general	1	2500	2,500	cybersecurity, networking, machine learning/analytics, computer game design, computational science/engineering, ot
Computer lab - general	1	2500	2,500	cybersecurity, networking, machine learning/analytics, computer game design, computational science/engineering, ot
Computer lab - general	1	960	960	cybersecurity, networking, machine learning/analytics, computer game design, computational science/engineering, ot
Computer lab - virtual reality	1	1500	1,500	computer game design, human machine interfaces, scientific visualization, others?
Computer lab - virtual reality and exhibits	1	3000	3,000	computer game design, visualization exhibits, shows, competitions, fund-raisers, others?
Audio post-production lab	1	1200		computer game design
Animation lab	1	900	900	computer game design, human-machine interfaces, scientific visualizations, others?
Motion capture lab	1	1500	1,500	computer game design, information technology, physiology and human performance, biomechanics
Physiology dry lab	1	10500	10,500	human performancem kinesiology, biomechanics, biology, biomedical engineering, UHSUS, others?
Open Student Design Space	1	4000	4,000	Will require sink, highly flexible, reconfigurable space to support student design competitions, capstone projects, othe
Open Student Design Space	1	4000	4,000	Will require sink, highly flexible, reconfigurable space to support student design competitions, capstone projects, othe
Specialized Dry Lab Requests - Total			42,560	





Goals Exercise

Collaborative Building:

College:

Personal:



Designing innovative academic environments for student success



Project Definition – Discovery

Admin / Central Services & Support (E&G Funded)

11,409 nsf

Wet Labs

9,029 nsf

Lab Svc 2,740

Dry /
Computational Lab
696sf

Project Definition – Bull Run Hall Addition

Classrooms Wet Labs 9,080 nsf 15,500 nsf Dry Labs Shared Mtg & 42,560 nsf Work Conf Areas 2,300 Bldg 2,706 640sf

Project Definition – Academic VIII

Student Services & Support (E&G Funded)

10,000 nsf

Admin / Central Services & Support (E&G Funded)

11,000 nsf

Academic & Instructional Support

111,000 nsf