Master Plan Virtual Engagement Session June 25, 2020

If you are having audio issues, call (202) 860-2110 Access code: 161 631 5259

To view captions, you may need to click Continue in the Multimedia Viewer area.

During the presentation, please ask questions using the Q&A area. There will be time for discussion after the presentation.



Master Plan Goal

The University Master Plan will be a decision-making framework

for the use of physical space at our Fairfax, Arlington, and Science

and Technology campuses, and support Mason's mission for

decades to come.

Master Plan Phase One Timeline

Phase Two detailed planning to follow October 2020—September 2021

ACTIVITY

Kickoff	Information gathering and tours	Information gathering and tours	Information gathering, CoMap survey	Analysis and continued conversations	Demographics and projections, conversations	Initial scenarios and conversations	Revise scenarios based on input	Share synthesis and collect more feedback
JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
President's	Academic Deans	Academic Deans	Leadership cmte	Steering cmte	Town Hall for ALL	Town Hall for ALL	Town Hall for ALL	Town Hall for ALL
Council University	Other academic, student life, and	Other academic, student life, and	Faculty Senate Student leaders	Leadership cmte Staff Senate Board of Visitors	faculty, staff, and students	faculty, staff, and students	faculty, staff, and students	Steering cmtt Leadership cmte
planning team	business leaders	business leaders	Student life and	Alumni	Steering cmte. Leadership cmte.	Steering cmte. Leadership cmte	Steering cmte. Leadership cmte.	Reengage all
Fairfax government,		Arlington & Prince William	business leaders	Neighbors; community		Reengage all		internal and external
community & business leaders		government, community & business leaders	CoMap Survey to entire Mason community	advisory boards; local businesses; community organizations;		internal and external stakeholders		stakeholders
KEY EN	IGAGEN	MENTS	State govt; add'l local community	educational partners				

50+ STAKEHOLDER INTERVIEW SESSIONS TODATE



- 1. NATURE OF GROWTH
- 2. INNOVATION BY TRIAL & ERROR
- 3. MULTI-CAMPUS DYNAMIC (FACILITIES ARE DRIVING STRATEGY)
- 4. CLARITY OF EXPERIENCE
- 5. **RESOURCE ALLOCATIONS**

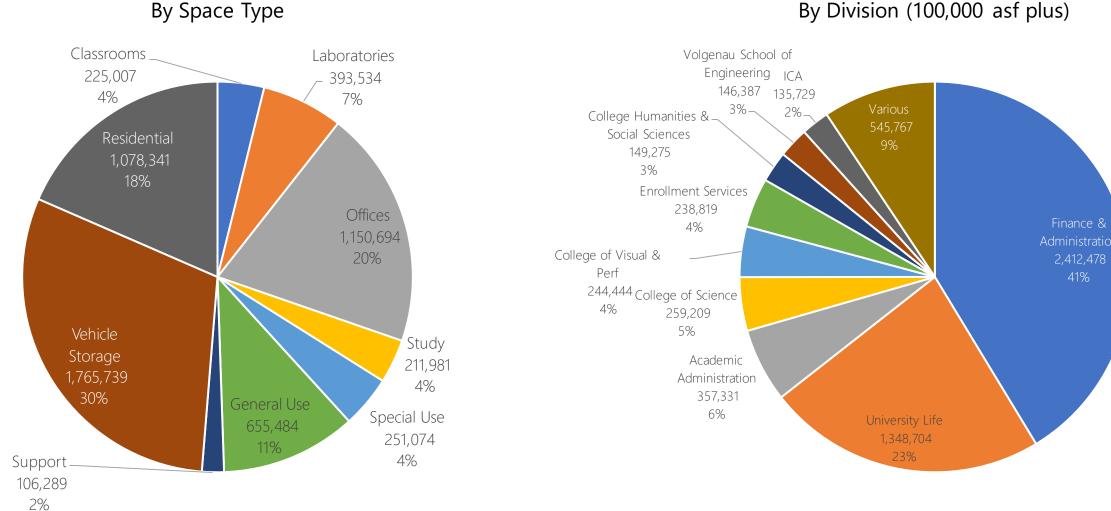
CAMPUS SPACE USE

IN HEALTH BOLD

Id IAX I AND

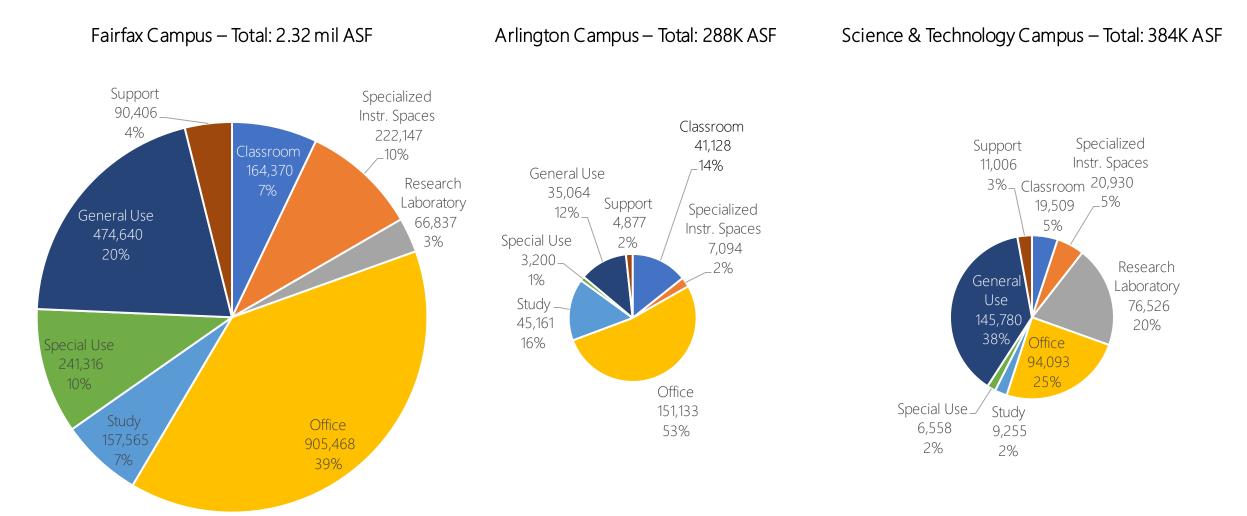
Space Utilization Assignable Square Footage

Fairfax, Arlington, and Science & Technology Campus Total: 5.8 mil ASF



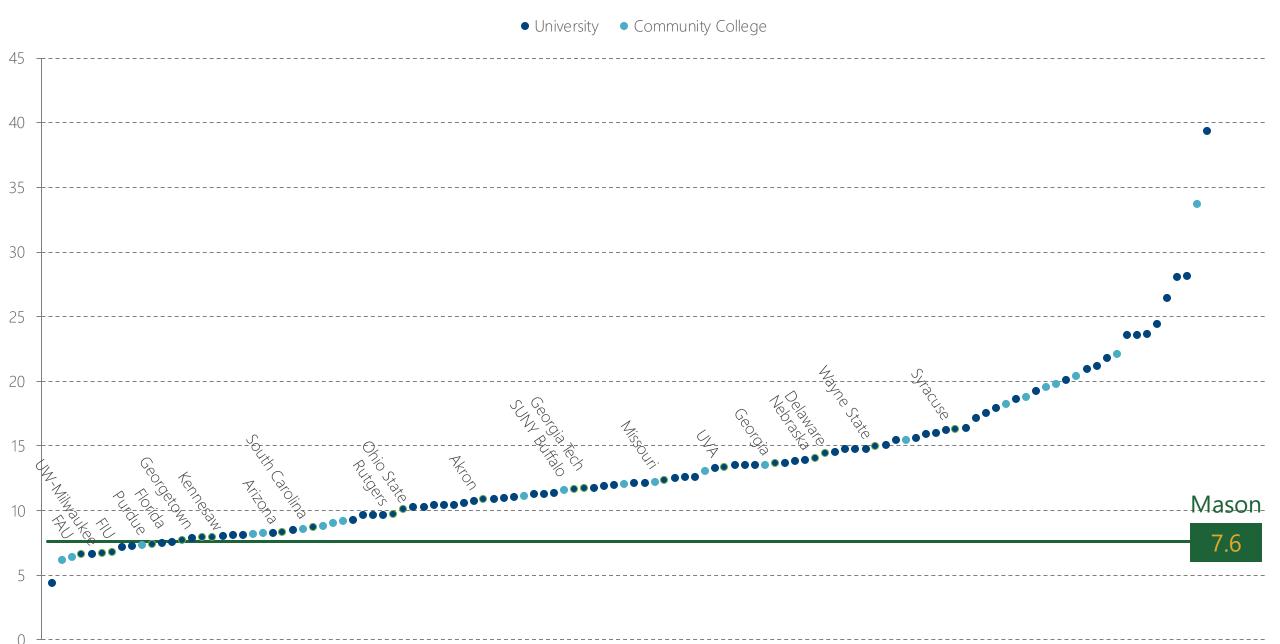
By Division (100,000 asf plus)

Space Utilization Assignable Square Footage by Space Type

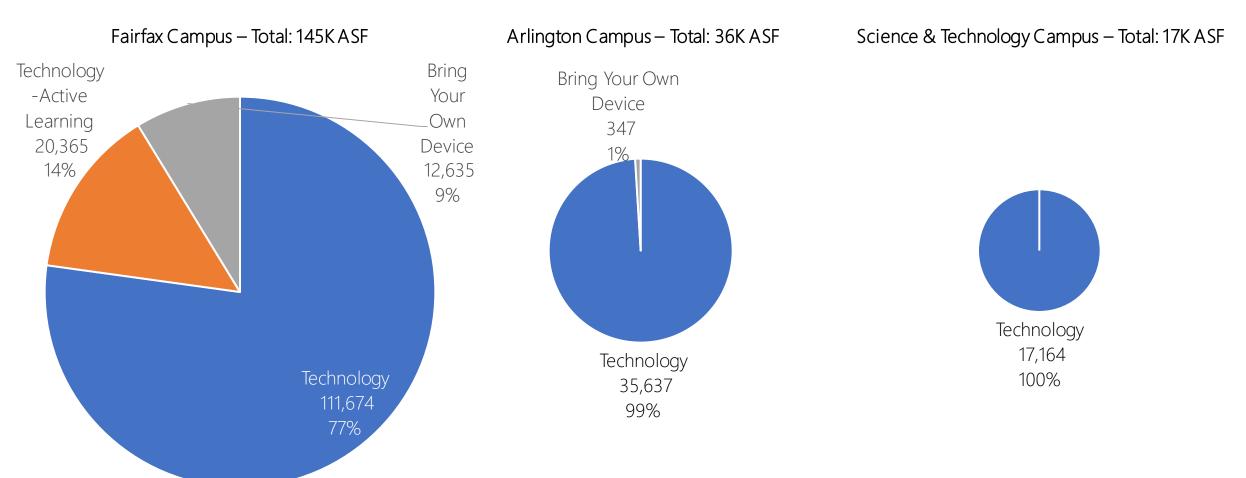


Note: Pies' relative sizes indicates total assignable square footage. Excludes residential (FICM 900 – Fairfax: 1.02 mil ASF, Science & Technology: 54K ASF) and vehicle storage/vehicle storage support (FICM 700 – Fairfax: 1.56 mil ASF, Arlington: 205K ASF)

Space Utilization Classroom ASF/Student FTE Benchmarking



Space Utilization Assignable Square Feet & Count of University Classrooms by Type

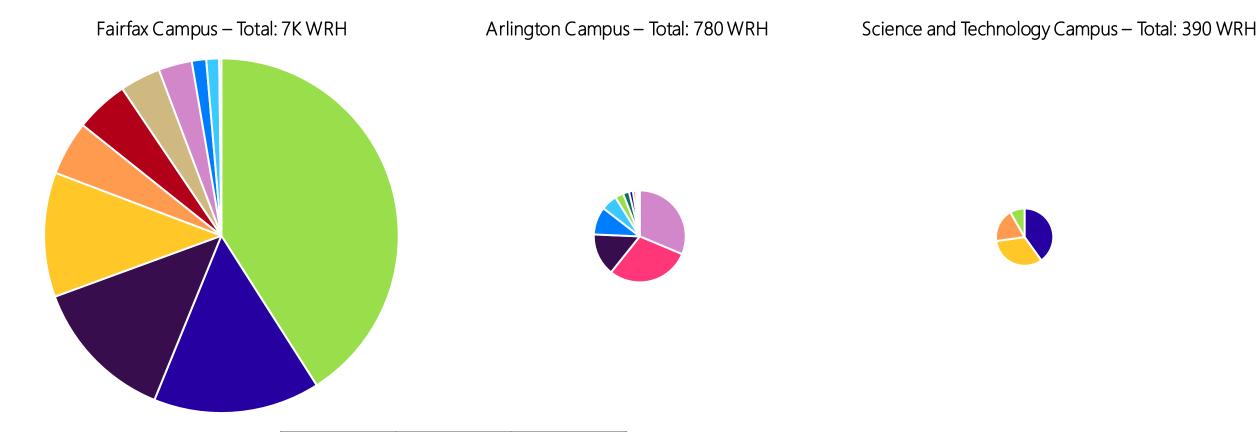


10 BYOD, 14 technology, and 2 active learning classrooms (26 total) will be taken offline with demolition of Robinson Hall 27 active learning classrooms are projected for its replacement, Note: Pies' relative sizes indicates total assignable square footage.

	Fairfax	Arlington	Science & Technology
Bring Your Own Device	22	1	0
Technology	110	38	16
Technology-Active Learning	18	0	0
TOTAL	150	39	16

Space Utilization Weekly Room Hours by School/College

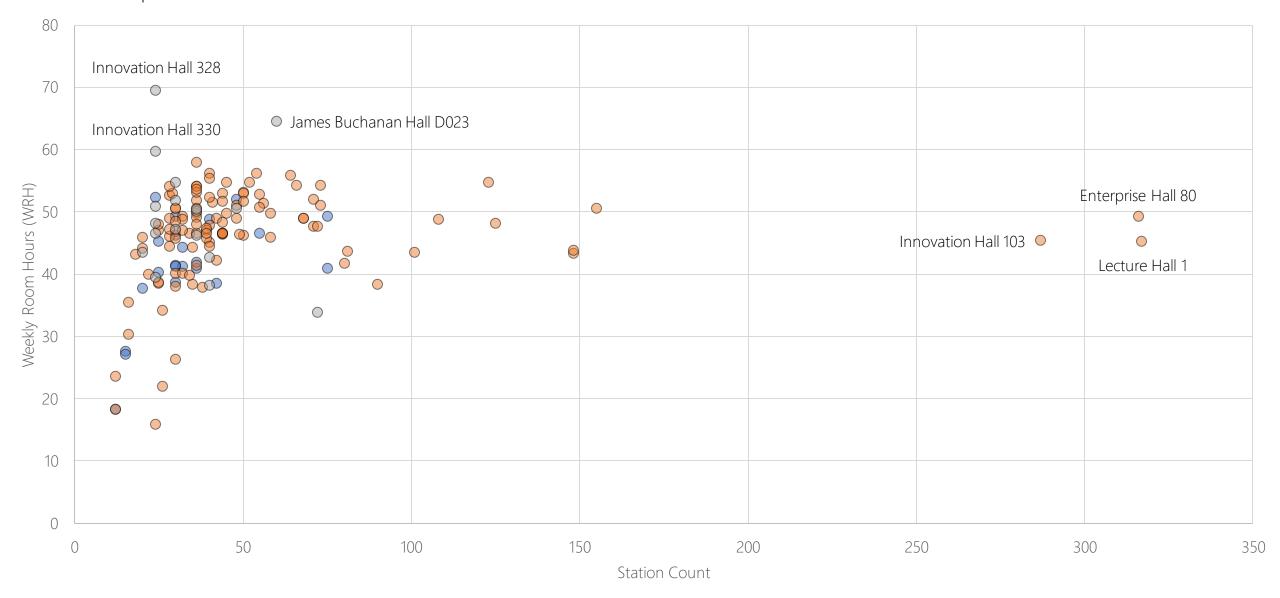
Scheduled instruction taking place in university classrooms ONLY



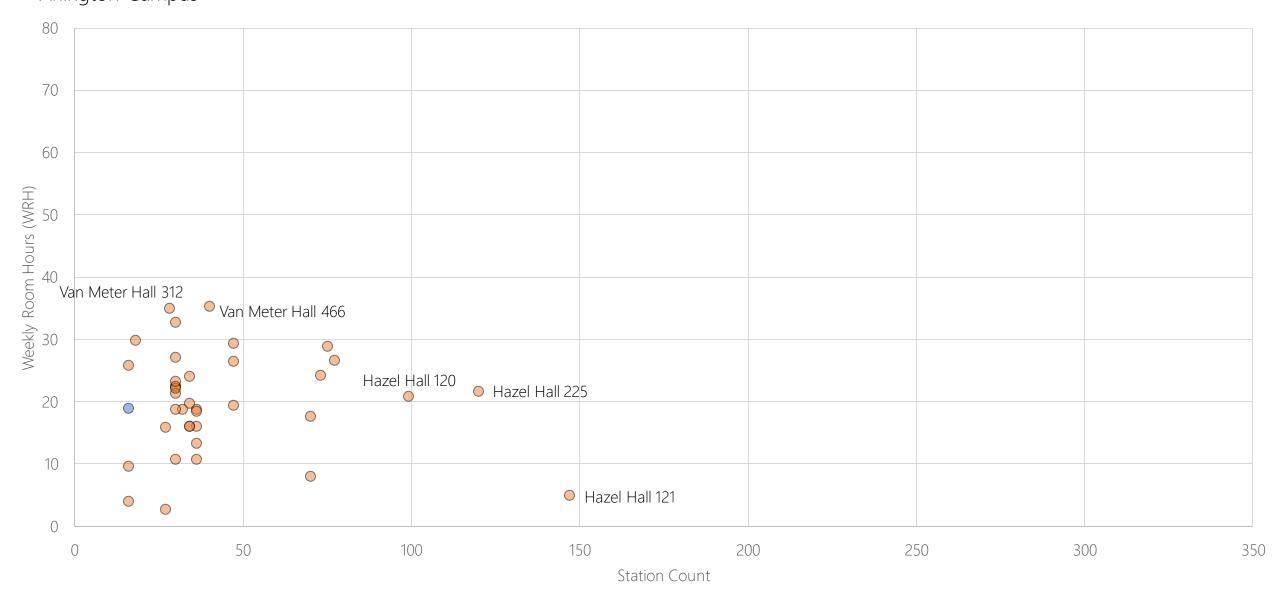
	Fai	rfax	Arlir	igton	Science	& Tech
College of Humanities and Social Sciences	2,829	41%	23	3%	32	8%
College of Science	784	12%	5	1%	126	33%
Volgenau School of Engineering	1,049	15%	11	1%	155	40%
College of Visual and Performing Arts	81	1%	44	6%	-	-
School of Business	915	13%	116	15%	-	-
College of Education and Human Dev	342	5%	8	1%	73	19%

	Fai	rfax	Arlir	igton	Science	e & Tech
College of Health and Human Services	335	5%	5	1%	-	-
Honors College & University (Provost)	256	4%	-	-	-	-
Schar School of Policy and Government	211	3%	243	31%	-	-
School for Conflict Analysis and Resolution	91	1%	76	10%	-	-
Antonin Scalia Law School	-	-	229	29%	-	-
INTO Mason	14	0%	17	2%	-	-

Space Utilization University Classroom Station Count to Weekly Room Hours Scatterplot Fairfax Campus

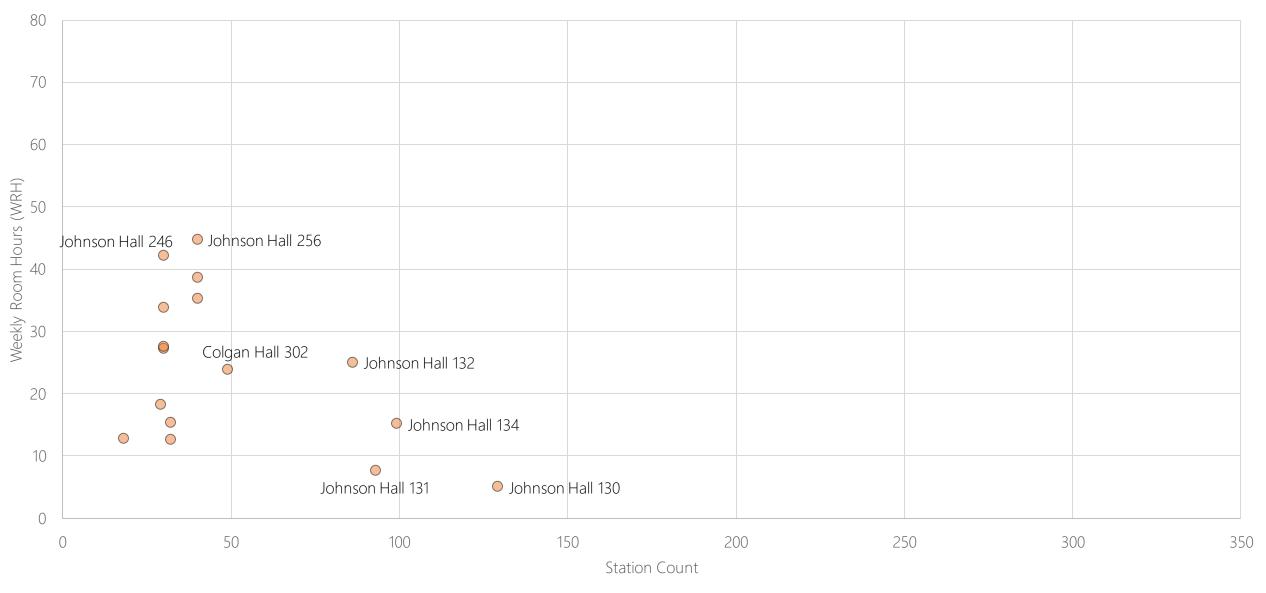


Space Utilization University Classroom Station Count to Weekly Room Hours Scatterplot Arlington Campus



Space Utilization University Classroom Station Count to Weekly Room Hours Scatterplot

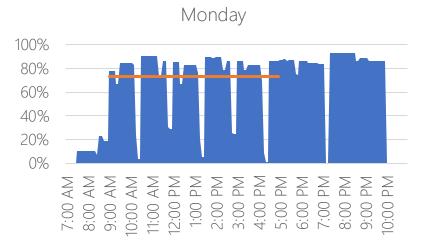
Science & Technology Campus

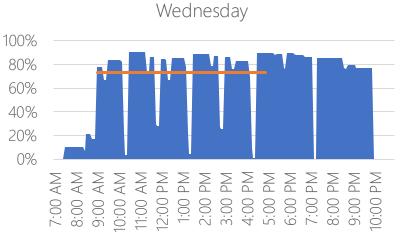


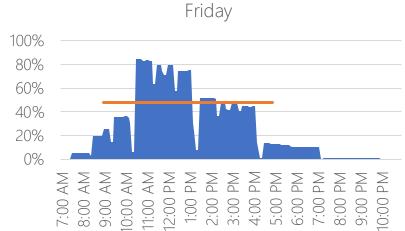
Technology

Space Utilization University Classroom Histograms

Fairfax Campus





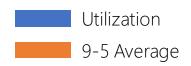




Tuesday

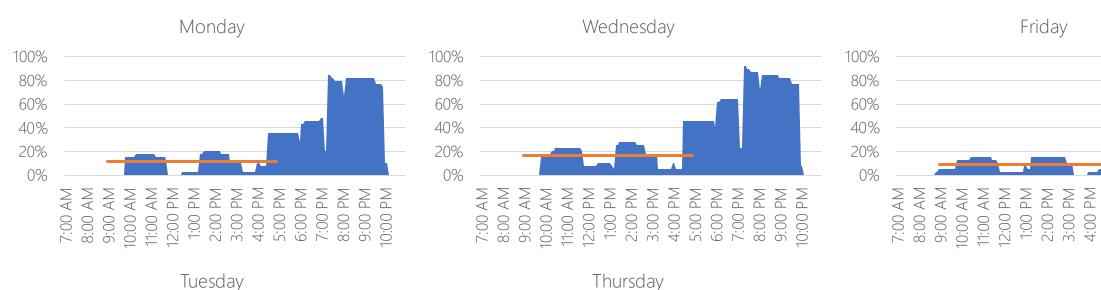


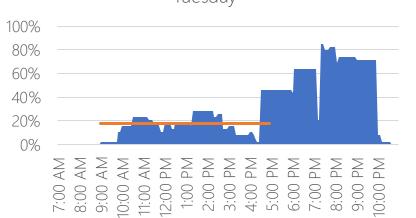
Thursday

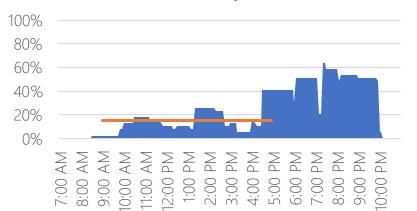


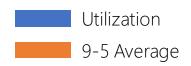
Space Utilization University Classroom Histograms

Arlington Campus









PM M

M M M

8:00

9:00 00:01

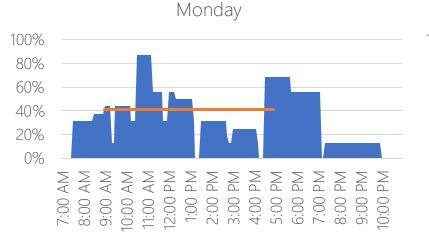
7:00

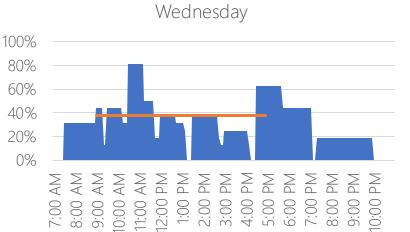
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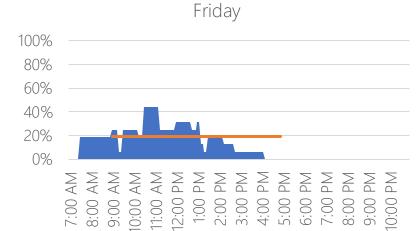
5:00 6:00

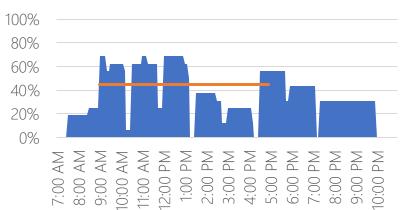
Space Utilization University Classroom Histograms

Science & Technology Campus

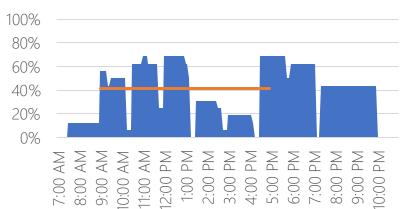








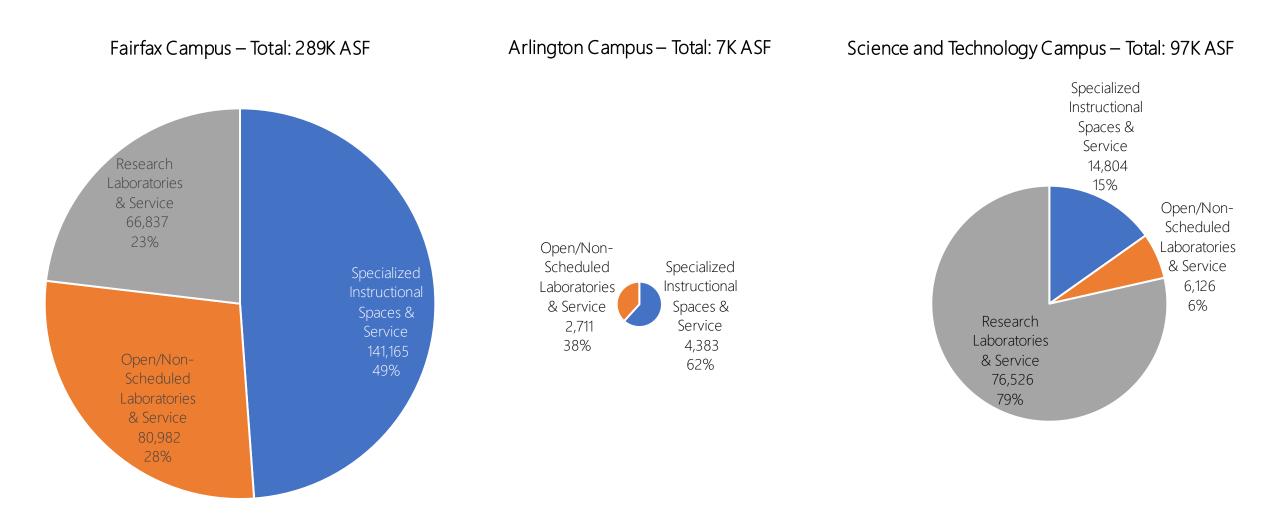
Tuesday



Thursday



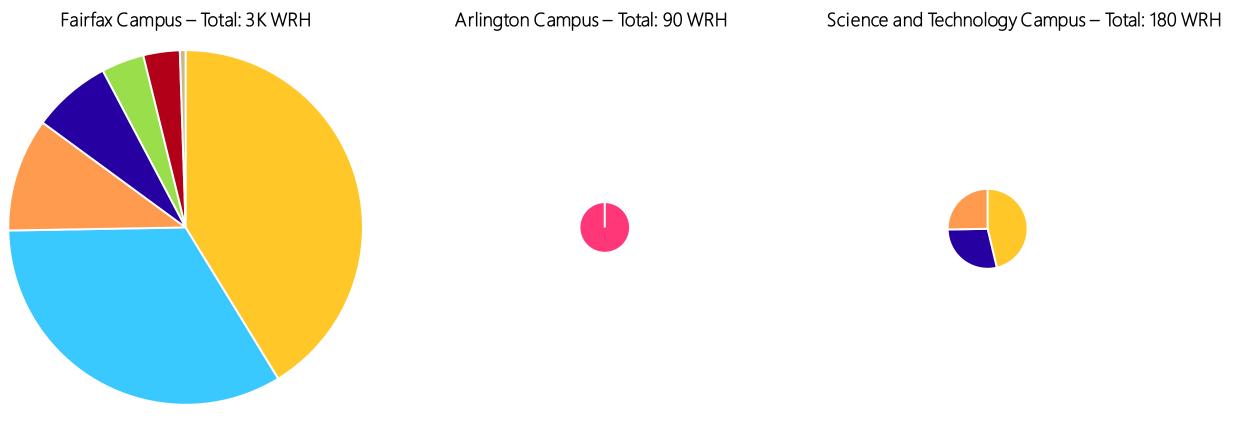
Space Utilization Specialized Instructional Spaces Square Feet by Type



Note: Pies' relative sizes indicates total assignable square footage

Space Utilization Weekly Room Hours by School/College

Scheduled instruction taking place in specialized instructional spaces ONLY



	Fai	rfax	Arlir	igton	Science	& Tech
College of Humanities and Social Sciences	124	4%	-	-	-	-
College of Science	1,312	41%	-	-	83	46%
Volgenau School of Engineering	229	7%	-	-	51	28%
College of Visual and Performing Arts	1,064	34%	-	-	-	-
School of Business	-	-	-	-	-	-
College of Education and Human Dev	329	10%	_	_	45	25%

	Fai	rfax	Arlir	igton	Science & Tech		
College of Health and Human Services	106	3%	-	-	-	-	
Honors College & University (Provost)	17	1%	-	-	-	-	
Schar School of Policy and Government	-	-	-	-	-	-	
School for Conflict Analysis and Resolution	-	-	-	-	-	-	
Antonin Scalia Law School	-	-	88	100%	-	-	
INTO Mason	-	-	-	-	=	-	

Space Utilization Wet Specialized Instructional Spaces Weekly Room Hours

Fairfax Campus – 30 scheduled

	Atmospheric/Oceanic/Earth Sci	44	27			-								
	Biology	57	57	57	52	49	46	44	37	36	36	26	16	16
College of Science	Chemistry	54	51	48	38	31	25	8			-		-	
College of Science	College of Science	5		_					-					
	Environmental Science & Policy	24	23	13										
	Physics & Astronomy	45	43	41										
Education & Human Development	School of Education	11												
Lumanitias & Casial Sciences	Psychology	11												
Humanities & Social Sciences	Sociology & Anthropology	23												

Note: Suggested target utilization for this space type is 20 weekly room hours of scheduled instruction due to setup and breakdown time

Space Utilization Dry Specialized Instructional Spaces Weekly Room Hours

Fairfax Campus – 16 scheduled

	Atmospheric/Oceanic/Earth Sci	24			
College of Science	College of Science	14			
	Mathematics	31			-
Education & Human Development				18	15
Education & Human Development School of Education		11			
	Nursing	38			
Health and Human Services	Nutrition and Food Studies	5			
MathematicsEducation & Human DevelopmentMason LIFESchool of EducationSchool of EducationHealth and Human ServicesNutrition and FoodHumanities & Social SciencesCommunicationUniversity (Provost)Military ScienceVolgenau School of EngineeringElectrical & Compute	Social Work	53			
Education & Human DevelopmentMason LIFESchool of EducationSchool of EducationHealth and Human ServicesNursingNutrition and Food StudiesSocial WorkHumanities & Social SciencesCommunicationUniversity (Provost)Military ScienceBioengineering		18			
University (Provost)	Military Science	30			
Humanities & Social SciencesCommunicationUniversity (Provost)Military ScienceBioengineering		8			
Volgenau School of Engineering	Electrical & Comp. Engineering	20			
	Info Sciences & Technology	35			

Note: Suggested target utilization for this space type is 30 weekly room hours of scheduled instruction

Space Utilization Specialized Instructional Spaces Weekly Room Hours

Fairfax Campus

Computational Laboratories – 21 scheduled

	Geography/Geoinformation Sci	31	31	25			
College of Science	Physics & Astronomy	38	36	33			
Education & Lluman Davalanment	School of Education	41	40	29	28	22	13
Education & Human Development	School of Sport/Rec/Tour Mgmt	23					
Health and Human Services	Health Administration & Policy	9		_			
Humanities & Social Sciences	Modern & Classical Languages	38	34				
Valganau School of Engineering	Computer Science	54	43	30			
Volgenau School of Engineering	Electrical & Comp. Engineering	28	11				

Visual-Performing Arts – 34 scheduled

	Coll Visual & Performing Arts	46	33	30	21													
	School of Art	47	45	43	43	37	37	37	36	32	32	29	29	24	22	21	21	21
Coll Visual & Performing Arts	School of Dance	28	26	24	22				_									
	School of Music	40	40	38	37	37	29	23										
	Theatre	33	18						-									

Note: Suggested target utilization for these space types is 30 weekly room hours of scheduled instruction

Space Utilization Dry Specialized Instructional Spaces Weekly Room Hours

Arlington Campus - 6 scheduled

Antonin Scalia Law School

24 23 21 10 6 4

Note: Suggested target utilization for this space type is 30 weekly room hours of scheduled instruction

30

Space Utilization Specialized Instructional Spaces Weekly Room Hours

Science & Technology Campus

Wet - 5 scheduled

College of Science	Biology	14	4
College of Science	Chemistry	17	14
Volgenau School of Engineering	Mechanical Engineering	8	

WRH 20

Note: Suggested target utilization for this space type is 20 weekly room hours of scheduled instruction due to setup and breakdown time

Dry – 3 scheduled

College of Science	Physics & Astronomy	14	
Education & Human Development	School of Kinesiology	24	21

Computational Laboratories - 3 scheduled

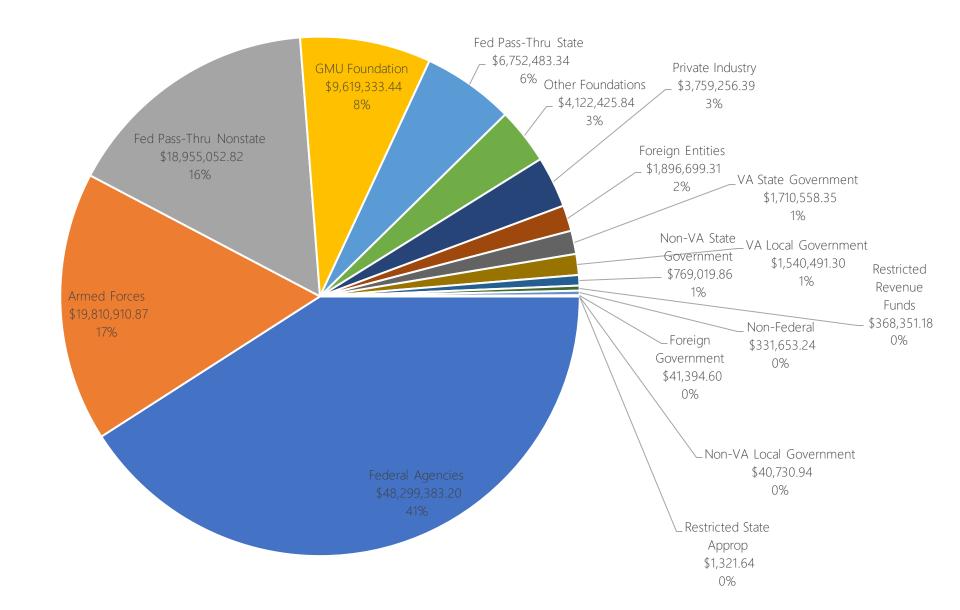
College of Science	School of Systems Biology	21	
Volgenau School of Engineering	Info Sciences & Technology	27	16

Note: Suggested target utilization for this space type is 30 weekly room hours of scheduled instruction

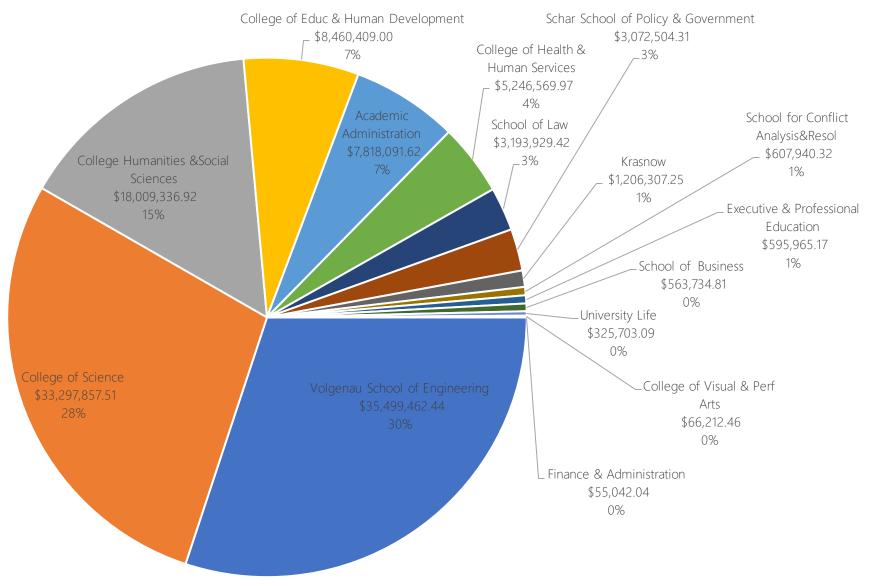
30

WRH

FY17-FY19 Average by Fund Group Category



FY17-FY19 Average Expenditures by Division



Laboratory Space Assignments

	Research La	aboratories	Other Rese	arch Space	Total		
Category	Space Count ASF S		Space Count	ASF	Space Count	ASF	
Assigned to PI/Contact Listed	272	107,989	1,094	206,791	1,366	314,780	
Unassigned/Vacant/Growth	46	8,468	110	19,009	156	27,477	
ATCC/Affiliate	8	5,397	4	453	12	5,850	
Storage/Circ/Mtg/Support	_	-	103	24,818	103	24,818	
Total	326	121,854	1,311	251,071	1,637	372,925	

ASF by Division

Division	Laboratories	Other Research ASF	Total
Academic Administration	20,412	20,469	40,881
Affiliates	11,769	_	11,769
Antonin Scalia Law School	_	10,123	10,123
College of Humanities & Social Sciences	12,530	48,426	60,956
College of Education & Human Dev	4,124	11,757	15,881
College of Health & Human Services	5,937	5,950	11,887
College of Science	70,569	63,683	134,252
College of Visual & Perf Arts	_	5,136	5,136
Krasnow	3,628	7,144	10,772
Schar School of Policy and Government	_	9,660	9,660
School for Conflict Analysis&Resol	_	2,277	2,277
School of Business	_	502	502
Volgenau School of Engineering	32,500	28,878	61,378

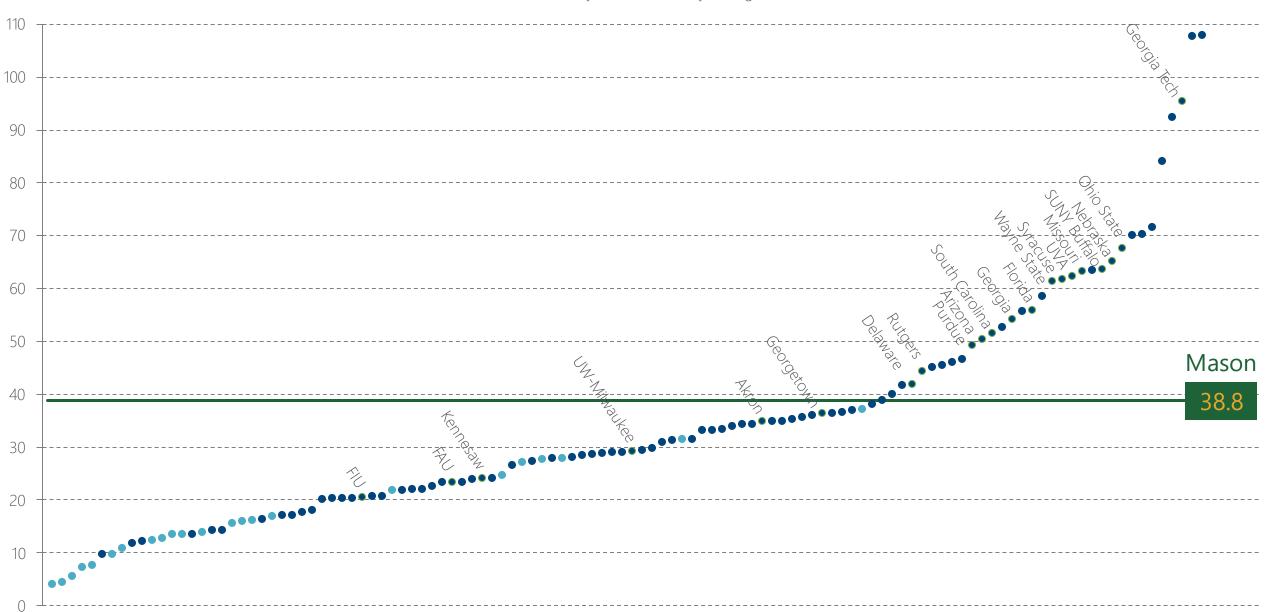
Average Expenditure (FY17-FY19) per Research ASF (all) by Division

Division	Sponsored	Internal	Overall
Academic Administration	\$187.37	\$3.87	\$191.24
Antonin Scalia School of Law	\$22.21	\$293.30	\$315.51
College of Humanities & Social Sciences	\$210.52	\$84.93	\$295.45
College of Education & Human Dev	\$528.63	\$4.11	\$532.74
College of Health & Human Services	\$439.60	\$1.77	\$441.37
College of Science	\$247.38	\$0.64	\$248.03
College of Visual & Perf Arts	\$12.89	_	\$12.89
Krasnow	\$110.80	\$1.18	\$111.99
Schar School of Policy & Government	\$241.57	\$76.49	\$318.06
School for Conflict Analysis&Resol	\$252.07	\$14.93	\$266.99
School of Business	\$852.97	\$270.00	\$1,122.98
Volgenau School of Engineering	\$574.77	\$3.60	\$578.37

Note: Per square foot expenditures should only be considered in the context of total expenditures when evaluating relative use

Space Utilization Office Category ASF/Student FTE Benchmarking

• University • Community College



Space Utilization Workspaces

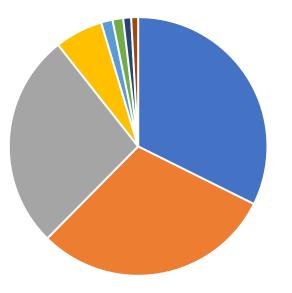
	All Workspace Count	Private Office Count	Station Count	Total ASF	Average Station Size (private)	Average Station Size (shared)
Fairfax	3,290	2,565	5,359	590,860	132	97
Arlington	463	371	646	83,875	149	108
Science & Technology	335	268	537	55,974	131	87

Space Utilization Workspace ASF by Type

Fairfax Campus – Total: 591K ASF

Arlington Campus – Total: 84K ASF

Science and Technology Campus – Total: 56K ASF





	Fairfax					Arlington				Science & Tech			
	ASF	%	Avg ASF/Station (private)	Avg ASF/Station (shared)	ASF	%	Avg ASF/Station (private)	Avg ASF/Station (shared)	ASF	%	Avg ASF/Station (private)	Avg ASF/Station (shared)	
Office - Staff	191,102	32%	129	78	24,800	30%	134	90	15,476	28%	123	72	
Staff – Workstation Area	177,610	30%	171	133	20,509	25%	279	217	12,930	23%	422	153	
Office – Faculty-Instructional	159,370	27%	132	79	24,345	29%	154	58	11,096	20%	130	70	
Graduate Research Assistant	35,512	6%	102	62	7,063	8%	122	64	10,111	18%	48	64	
Graduate Teaching Assistant	8,469	1%	110	70	137	0%	-	46	-	-	-	-	
Adjunct Faculty	7,842	1%	116	69	1,559	2%	120	50	1,407	2%	120	86	
Office – Fellow-Visit Schlr-Affil	5,848	1%	126	65	3,604	4%	124	52	1,206	2%	86	-	
Office – Faculty-Research	5,107	1%	132	71	1,858	2%	145	41	3,748	7%	144	-	

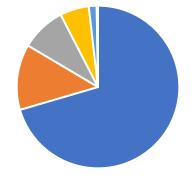
Note: Pies' relative sizes indicates total assignable square footage. This excludes spaces under affiliate agreements/MOUs or leases. Some shared stations include reception areas.

Space Utilization Social & Collaboration Space

Study

Fairfax Campus – Total: 158K ASF

Arlington Campus – Total: 45K ASF





Science and Technology Campus – Total: 9K ASF

	Fairfax		Arlin	igton	Science & Tech		
Open or Stack Study Area	111,037 70%		36,225	80%	7,816	84%	
Study Room	20,533	13%	3,880	9%	1,439	16%	
Study – Service	14,060	9%	1,372	3%	-	-	
Stack Area	9,074	6%	2,551	6%	-	-	
Collaboration Area/Breakout	2,465 2%		983	2%	=	-	
Library Processing/Sorting	396	0%	150	0%	_	-	

Note: Pies' relative sizes indicates total assignable square footage

General Use Fairfax Campus – Total: 475K ASF Arlington Campus – Total: 45K ASF Science and Technology Campus – Total: 146K ASF Fairfax Science & Tech Arlington 24% 113,387 69,397 48% _ Food Facility 95,968 20% 5,980 17% 3,676 3% Assembly 92,282 19% 9,415 27% 53,014 36% Lounge-Open Study/Collab 88,294 19% 9,925 28% 5,722 4% Meeting Room 46,264 10% 4,592 13% 9,409 6%

6%

1%

1%

30,091

5,410

2,944

Retail-Merchandising

Day Care

5,152

_

1,651

2,481

430

15%

-

1%

2%

0%

DATIMAL

PROGRAM CONNECTIONS

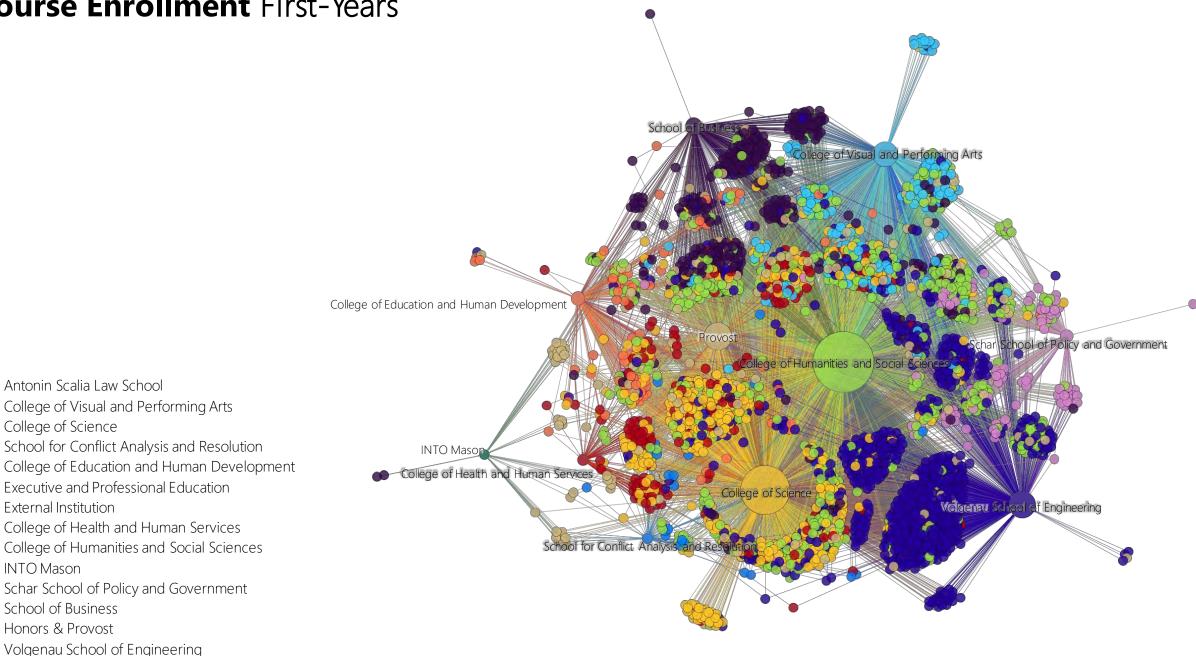
Course Enrollment First-Years

College of Science

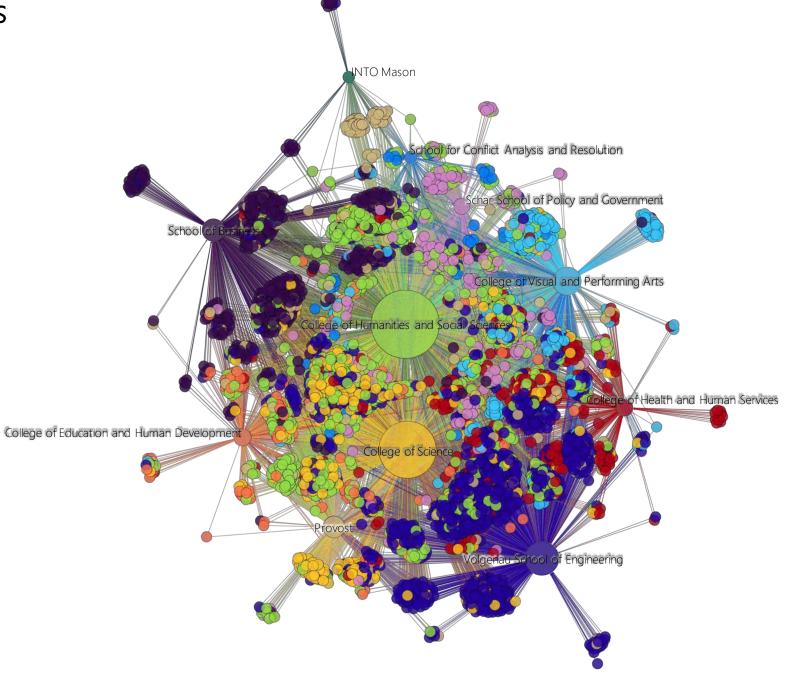
External Institution

School of Business Honors & Provost

INTO Mason



Course Enrollment Sophomores





Course Enrollment Juniors

Antonin Scalia Law School

College of Science

External Institution

School of Business Honors & Provost

INTO Mason

College of Visual and Performing Arts

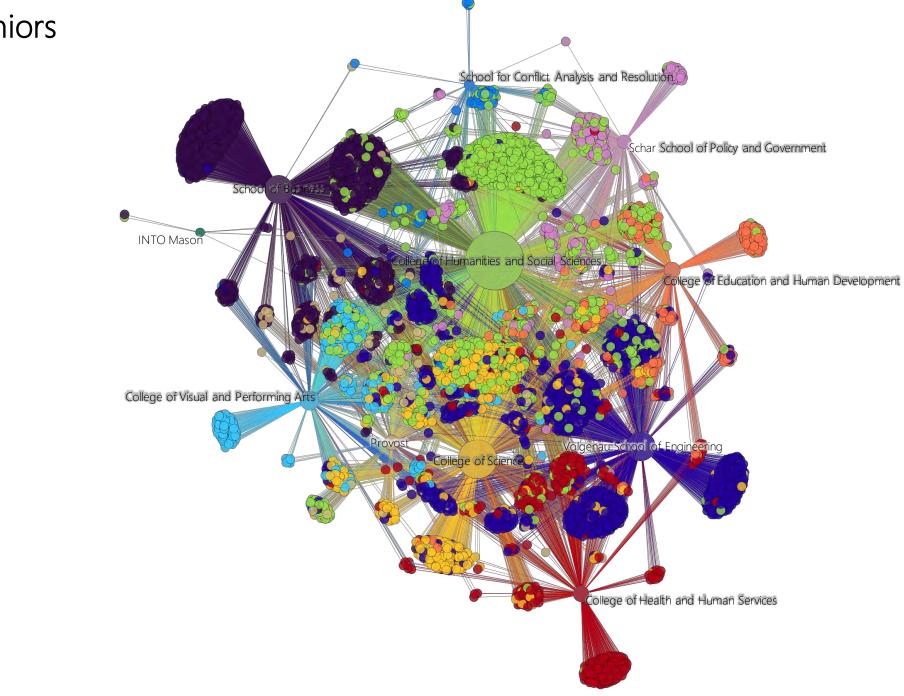
Executive and Professional Education

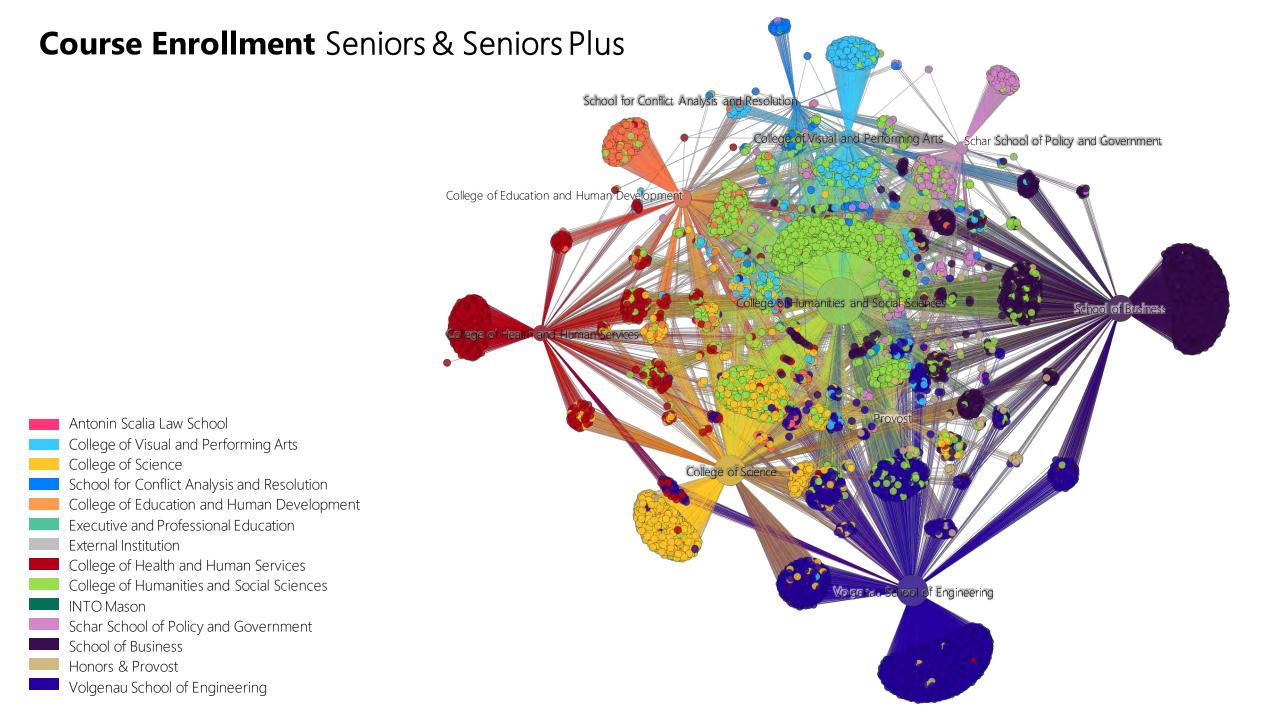
College of Health and Human Services College of Humanities and Social Sciences

Schar School of Policy and Government

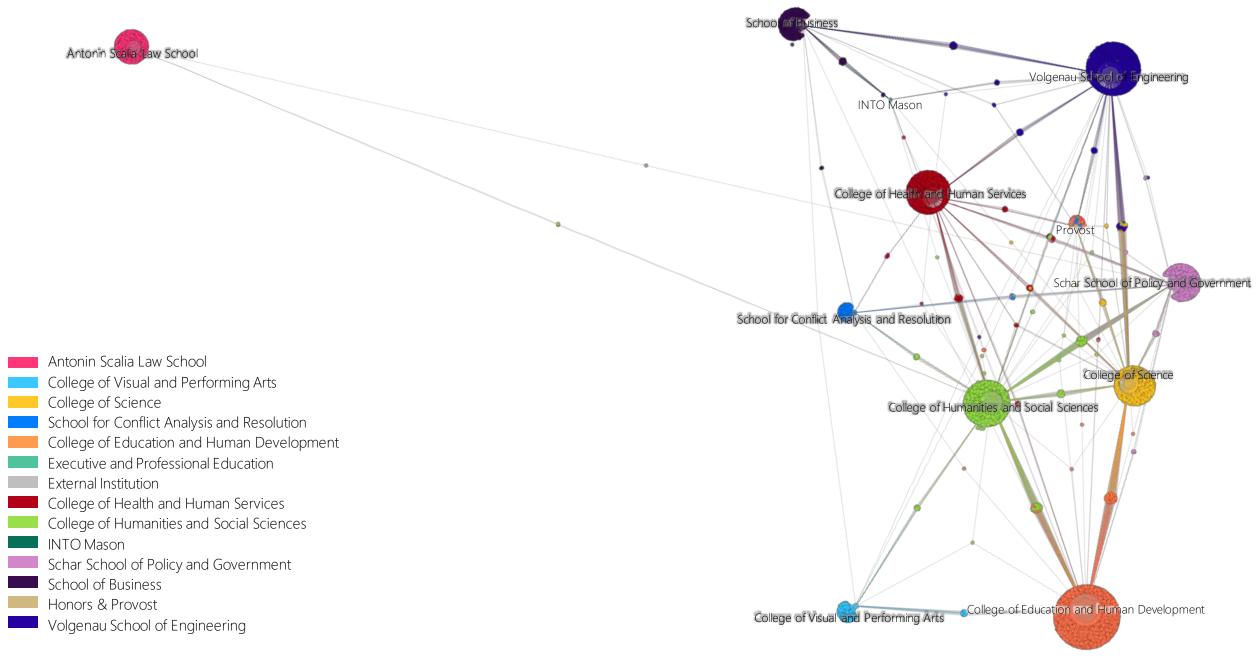
Volgenau School of Engineering

School for Conflict Analysis and Resolution College of Education and Human Development



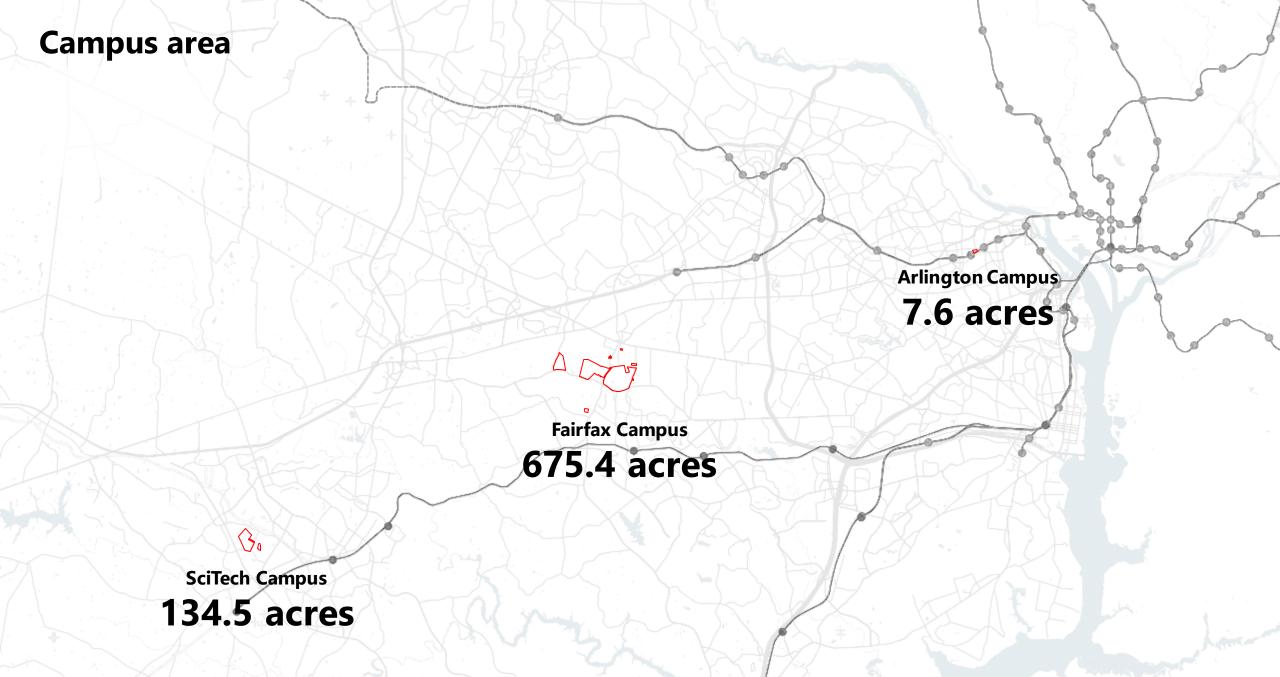


Course Enrollment Graduate and Law



FIRST IMPRESSIONS PHYSICAL CAMPUSES

adidas



Campus gross square footage

Arlington Campus

845,000 gsf

7.6 acres

111,200 gsf/acres (density; 2.3)

Fairfax Campus

acres

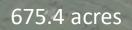
7,164,000 gsf 10,600 gsf/acres (density: 0.24)

SciTech Campus

30

134.5 acres **821,000 gsf** 6,100 gsf/acres (density: 0.14)

Fairfax campus 675.4 acres



University Dr

Field

House 123 Ox Rel Route 123

Police 620

Arena 10-minute-walk

Natural systems

38%

675.4

N

University Dr

Johnson

Center

Eagle Arena

Robertoria

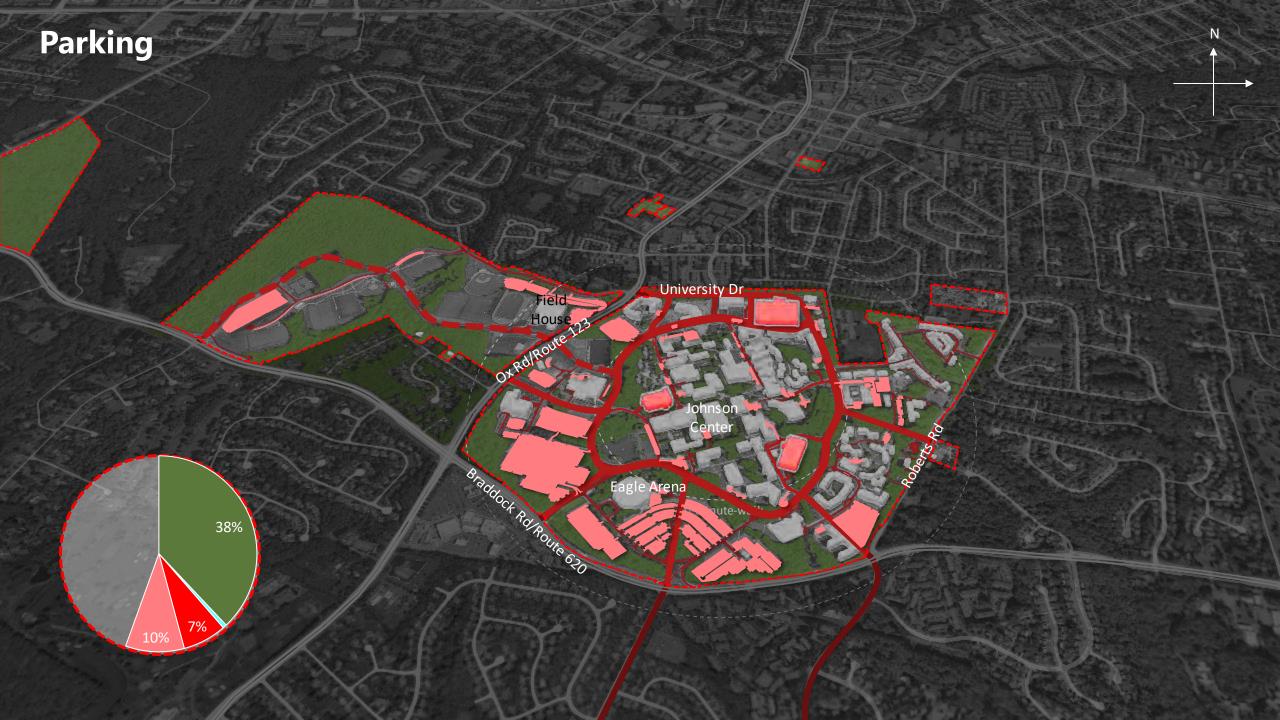
Field

House 123

Braddock Rol Route 620

High

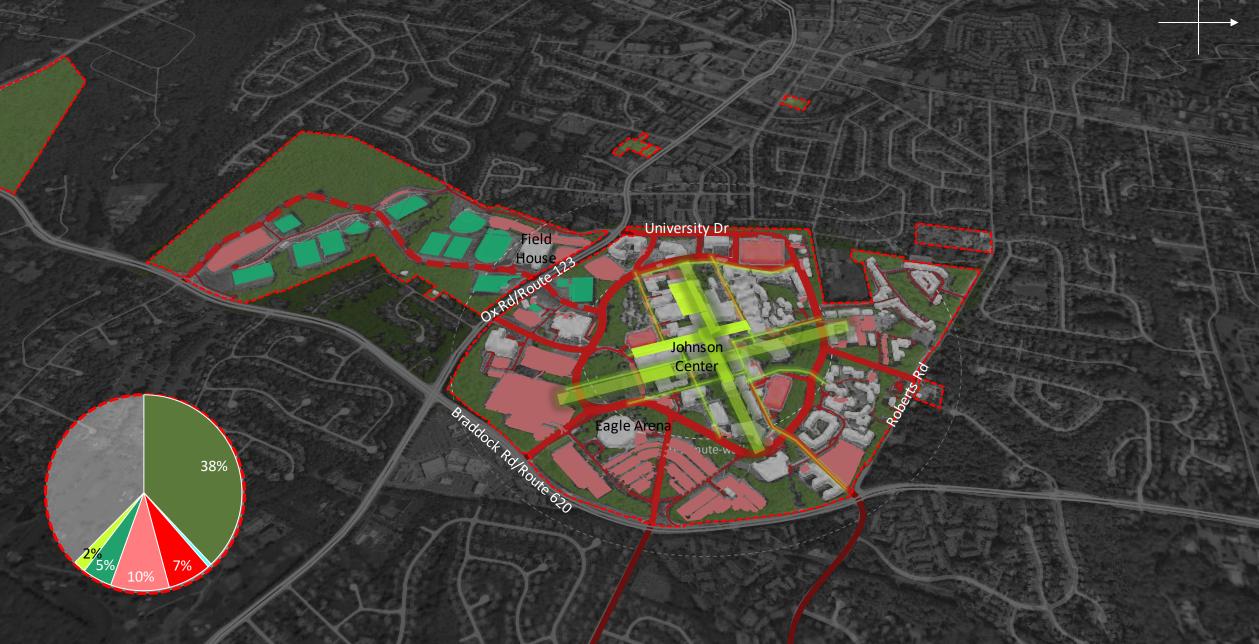








Open space and pedestrian corridor

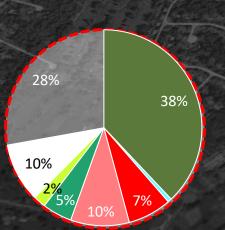


N

Campus buildings



N



Facility condition Facility Condition Index (FCI)



Fairfax campus

Fairfax west

Site area8,887,000Buildable3,890,000(44%)Ex GSF136,000(FAR=0.03)

 Fairfax Main

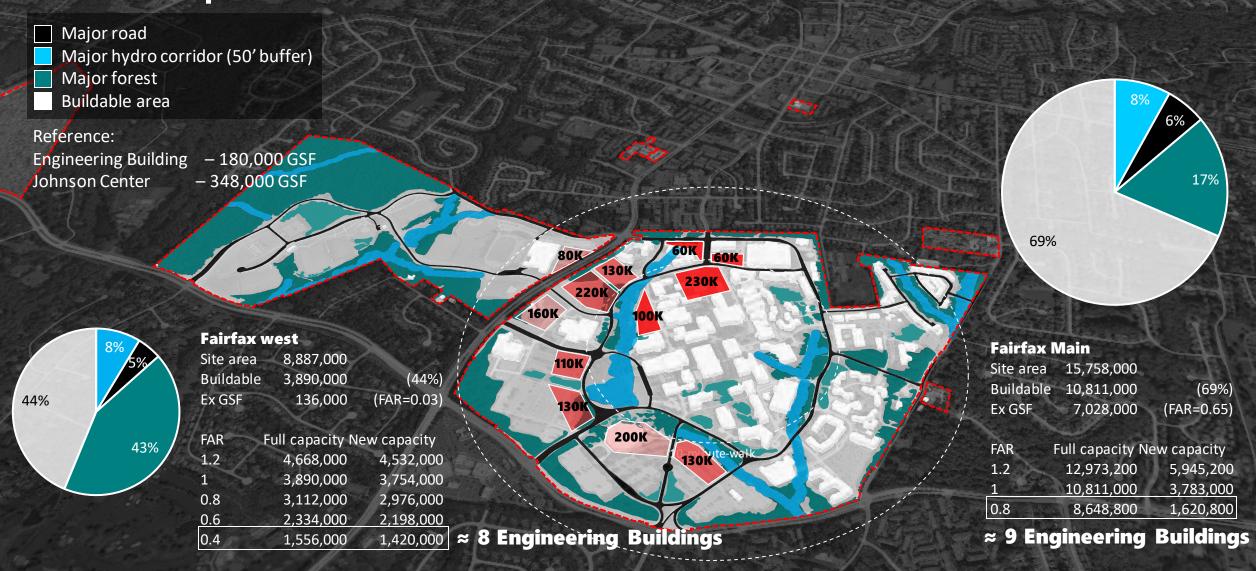
 Site area
 15,758,000

 Buildable
 10,811,000
 (69%)

 Ex GSF
 7,028,000
 (FAR=0.65)

10-minute-walk

Fairfax campus



SciTech campus

4

 SciTech

 Site area
 5,856,000

 Buildable
 2,212,000
 (38%)

 Ex GSF
 821,000
 (0.37)

10-m

SciTech campus

Major road

4

Major hydro corridor (50' buffer) National Wetland Inventory (50' buffer) Major forest Buildable area

38%	

4%

14%

SciTech

Site area	5,856,000	
\ Buildable	2,212,000	(38%)
Ϋ́,Ex GSF	821,000	(0.37)

FAR	Full capacity Ne	w capacity	
1.2`\	2,654,400	1,833,400	≈ 10 Engineering Buildings
1	2,212,000	1,391,000	A CANADA A CANADA A
0.8	1,769,600	948,600	Service and a service and
0.6	``_1,327,200	506,200	- South and States

Arlington campus Context traffic

Clarendon Station Average daily entry: 4,800*

FILE

10.000

13,000

Ballston-MU Station Average daily entry: 10,000* Virginia Square Station Average daily entry: 4,000*

10-minute-walk

13,000

22,000

* Source: https://www.wmata.com/initiatives/ridership-portal/Rail-Data-Portal.cfm#main-content, calendar year 2019-2020

Washington Blvd

18,000

Arlington campus Context zoning

Washington



Commercial, office, retail, hotel Mixed use Special use

10-minute-walk

Arlington campus Recent projects

Commercial, office, retail, h Mixed use Special u Retail + office + 160 units residential 255 units residential Approved 2019 Approved 2019 Achington Rlvg Retail + 584 units residential Approved 2015 **GMU** demolition 119 units residential Retail + office + 136 and new building Approved 2017 units residential Approved 2014 Retail + 330 units residential 10-minute-walk Approved 2015 Retail + office + 244 units residential Approved 2016

Renovation + office + retail

Approved 2018

Renovation + retail + office + residential Approved 2015 and 2016