

# LEARNING LABORATORY

# SUMMARY OF REQUIRED SPACES (SRS)

100,000 1.5 150,000

Revised 19 May 2021

NASF <sup>Grossing Factor</sup> GSF

## GENERAL PURPOSE CLASSROOMS

23,900

CLASSROOMS	qty/rms	asf/rm	ASF	20,950
<b>Active Learning Lecture Hall</b>				<b>10,950</b>
Learning Lecture Hall (Tiered)	240 sta. @ 25 sf	Chem/Physics demonstration. Teams of 6.	1 @ 6,000 = 6,000	
Divisible Lecture Hall (Flat Floor)	198 sta.	SCALE-UP (tables for 9) w/ mobile chairs.	= 4,950	
Classroom A	81 sta. @ 25 sf		1 @ 2,025	
Classroom B	117 sta. @ 25 sf		1 @ 2,925	
<b>Active Learning Classrooms (Flat floor)</b>				<b>10,000</b>
Flexible Learning Studio - Wood Floor	120 sta. @ 25 sf	CCIE Priority scheduling	1 @ 3,000 = 3,000	
Flexible Learning Studios	50 sta. @ 25 sf	CCIE Priority scheduling	4 @ 1,250 = 5,000	
Flexible Learning Studios	40 sta. @ 25 sf	CCIE Priority scheduling	2 @ 1,000 = 2,000	
<b>CLASSROOM SERVICE</b>				<b>2,950</b>
Assigned Circulation/Queueing		Near Learning Spaces (Some SF may become STUDY during design - TBD)	Allowance = 1,950	control
Shared, Managed Classroom Storage		Collocate with Classrooms	Allowance = 1,000	
Physics Stock/Prep Room		Collocate with Lecture Hall as directed by COS	See COS T-Lab Service	

## TEACHING LABS

68,600

GENERAL PURPOSE TEACHING LABS	qty/rms	asf/rm	ASF	8,400
<b>Open Labs</b>				<b>1,500</b>
Tutoring Center	60 sta. @ 25 sf	"Informally scheduled, unscheduled or open"	Allowance = 1,500	
<b>Teaching Labs</b>				<b>5,400</b>
Mixed-use lab	30 sta. @ 50 sf	Could be one room or two. Release CHEM 321 O-Lab (219sf)	2 @ 1,500 = 3,000	
Mixed-use lab	24 sta. @ 50 sf	Available for Assignment	2 @ 1,200 = 2,400	
<b>Teaching Lab Service</b>				<b>1,500</b>
T-Lab Service Rooms		Provide T-Lab Service adjacent to each T-Lab	4 @ 375 = 1,500	
<b>COLLEGE OF SCIENCES (COS)</b>				<b>43,900</b>
<b>COLLEGE-WIDE</b>				
<b>Teaching Lab</b>				<b>1,500</b>
Mixed-use lab	30 sta. @ 50 sf	Chemistry (analytic/forensic labs) and Biology (plant/evolution/ecology labs)	1 @ 1,500 = 1,500	

## CHEMISTRY

Teaching Labs	Release all CHEM T-Labs: 104, 108, 109, 202, 210, 304, 305, 307, 308, 309 (11,104sf)	26,400
General Chemistry (Replacement)	48 sta. @ 50 sf CHM2046L	2 @ 2,400 = 4,800
General Chemistry (Additional)	48 sta. @ 50 sf CHM2046L, CHM2045L	2 @ 2,400 = 4,800
Organic Chemistry (Replacement)	48 sta. @ 50 sf CHM2211L	2 @ 2,400 = 4,800
Organic Chemistry (Additional)	48 sta. @ 50 sf CHM2211L, CHM2010L	2 @ 2,400 = 4,800
Specialty Labs	48 sta. @ 50 sf CHM4130L, CHM3120L, CHM3411L, CHM4610L	2 @ 2,400 = 4,800
Specialty Labs	24 sta. @ 50 sf CHS3505C, CHS3533L, CHS4534C, BCH4103L	2 @ 1,200 = 2,400

## PHYSICS

Teaching Labs	Release MSB T-Labs: 307, 337, 338, 339 (3,925 sf) Retain MSB T-labs: 331, 333A, 335, 350 (3,741 sf) and O-Labs (1,863 sf)	10,800
Introductory Physics (replacement)	36 sta. @ 50 sf PHY2048L	1 @ 1,800 = 1,800
Introductory Physics (replacement)	36 sta. @ 50 sf PHY2049L	1 @ 1,800 = 1,800
Introductory Physics (replacement)	36 sta. @ 50 sf PHY2053L	1 @ 1,800 = 1,800
Introductory Physics (replacement)	36 sta. @ 50 sf PHY2054L	1 @ 1,800 = 1,800
Introductory Physics (additional)	36 sta. @ 50 sf PHY2048L, PHY2053L	1 @ 1,800 = 1,800
Introductory Physics (additional)	36 sta. @ 50 sf PHY2049L, PHY2054L	1 @ 1,800 = 1,800

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### TEACHING LAB SERVICE

<b>Chemistry Teaching Lab Service</b>	<i>Release all CHEM T-Lab Svc. (4,107 sf)</i>									<b>2,800</b>
Chem Prep and Storage Room		1	@	2,400	=	2,400				
Chem Core Service Room		1	@	400	=	400				
<b>Physics Teaching Lab Service</b>	<i>Release MSB T-Lab Svc. 340, 343, 344 (369sf); O-Lab 342 (126sf); Off 341 (126sf). Retain remaining MSB T-Lab &amp; O-Lab Svc (1,872 sf)</i>									<b>2,400</b>
Physics Prep & Storage Rooms		1	@	2,000	=	2,000				
Physics Core Service Room		1	@	400	=	400				

See also CLASSROOMS for Shared Storage near lecture halls

See also OFFICE

### College of Medicine, Burnett School of Biomedical Sciences (BSBS) - Molecular & Microbiology

<b>Teaching Labs</b>	<i>Retain all HSII T-Labs: 202, 205, 231, 237, 302, 305</i>	qty/rms		asf/rm		ASF				<b>8,700</b>
Teaching Labs	24 sta. @ 50 sf <i>Molecular Biology &amp; Microbiology</i>	6	@	1,200	=	7,200				
<b>Teaching Lab Service</b>	<i>Retain all HS II T-Lab Svc = ~2,990sf</i>									<b>1,500</b>

Wet Lab Prep and Core Service Rooms	<i>Locate a Lab Svc Room btwn each pair of LL T-Labs</i>	3	@	500	=	1,500				
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### College of Community Innovation and Education (CCIE)

<b>Teaching Labs</b>	<i>No space to be released</i>	qty/rms		asf/rm		ASF				<b>4,600</b>
STEAM Maker Space K-12	<i>Designed/Furnished as K-12 Maker Space</i>	1	@		=	2,000				
Learning Space	28 sta. @ 25 sf <i>Seating and Unrestricted work</i>	1	@	700						
Temporary Project Storage	<i>This may be a room or open shelves around the Learning Space</i>	Allowance		200						
Restricted workroom	6 <i>Restricted access tools, machines, materials, and fasteners.</i>	1	@	750						
Tool and Material Storage	<i>This may be a room or locking cabinets around the Learning Space</i>	Allowance		250						
Paint Room	2-3 <i>Ventilated Room with ventilated tabletop paint booths</i>	1	@	100						
Lab Managers - See OFFICE	<i>Collocate about 150sf of CCIE office allowance with the MakerSpace</i>	See OFFICE								

Science Learning Lab	49 sta. @ 50 sf	1	@	2,450	=	2,450				
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See also CLASSROOMS for Flexible Learning Studios (7) requested by CCIE

<b>Teaching Lab Service</b>	<i>No space to be released</i>									<b>150</b>
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CCIE Dedicated Storage	<i>Professional Education, etc.</i>	Allowance			=	150				
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See also CLASSROOMS for Shared Storage near lecture halls

See also OFFICE

### College of Engineering and Computer Science (CECS) - Materials Science and Engineering (MSE)

<b>Teaching Labs - MSE</b>	<i>No space to be released</i>	qty/rms		asf/rm		ASF				<b>2,700</b>
Materials Characterization	18 sta. @ 50 sf	1	@	900	=	900				
Materials Processing	18 sta. @ 50 sf	1	@	900	=	900				
Bio-materials	18 sta. @ 50 sf	1	@	900	=	900				

<b>Teaching Lab Service</b>										<b>300</b>
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MSE T-Lab Service		Allowance			=	300				
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## OFFICE

Only personnel critical to the safety and success of the facility have offices.

7,500

### Shared Office Space

			qty/rms		asf/rm	=	ASF	
General Purpose Conference Rooms	10	sta. @	20 sf		2	@	200	= 400
Office Hours Rooms / Conference Rooms	6	sta. @	20 sf	May be scheduled for TA Office Hours by COS, CCIE, BSBS, CECS, others	5	@	120	= 600
Hoteling Office Space	Varies			2 rooms per floor for TA Touchdown, Visitors, Overflow office.	6	@	600	= 3,600

2,900

### Assigned Office Space

Participating Colleges		Lab Mgrs and Lab Techs collocated with T-Lab Service		Allowance	2,550
COS - Chemistry, Physics		COS already included T-Lab Offices in their Space request		COS T-Labs	38,700 ~950
CCIE - Education				CCIE T-Labs and Classrooms	14,450 ~800
COM - BSBS				BSBS T-Labs	7,200 ~375
CECS - MSE				CECS T-Labs	2,700 ~150
Future Colleges				GP T-Labs	5,400 ~275
Other	Collocate with T-Lab Service as justified				350
Facility Management Office	1	sta.		Workstation and misc storage	150
UCF IT / OIR workroom	2	sta.		Workstations and equipment storage	200

## OTHER SPACE

Space taken from Grossing Factor

### Assignable Space Required by UCF but not assigned to Building Occupants

			qty/rms		asf/rm	=	ASF	
Merchandising - Vending				Shallow alcoves along corridors (See TCH 0100M, 0200M, 0300M)	3	@	40	= 120
Trash/Recycling Room				UCF Standards page D.11-6 - btwn 97.5 sf and 117 sf	1	@	100	= 100
Maintenance Shop				UCF Standards - Required for 3 story building	1	@	120	= 120
Housekeeping - Main				UCF Standards page D.11-4 - Required	1	@	120	= 120
Housekeeping - Secondary				UCF Standards page D.11-4 - Required	2	@	90	= 180
Lactation Room				UCF Standards (Pending) - Required	1	@	50	= 50
Receiving				Service Elevator to be located at Loading Dock to facilitate secure delivery for hazardous materials (chemicals).				

690

### Useable Space non-assigned

Stairs, Corridors, Elevators, Restrooms (Men, Women, All Gender), Mechanical, Electrical, IT

### BSBS Molecular and Microbiology T-Labs

TEACHING LABS	Rm #	NASF	Current		FUTURE	
			CAP	Sf/sta	50sf/sta	NEW CAP
HS II	205	1,394	28	49.79	27.88	27
HS II	237	1,455	32	45.47	29.1	29
HS II	231	1,377	34	40.50	27.54	27
HS II	202	1,384	40	34.60	27.68	27
HS II	305	1,702	46	37.00	34.04	34
HS II	302	1,473	48	30.69	29.46	29

Rooms to be released are highlighted

<i>Site Number</i>	<i>Site Name</i>	<i>Building Number</i>	<i>Floor Number</i>	<i>Room Number</i>
0001	UCF MAIN CAMPUS	0012	03	0307
0001	UCF MAIN CAMPUS	0012	03	0337
0001	UCF MAIN CAMPUS	0012	03	0338
0001	UCF MAIN CAMPUS	0012	03	0339
0001	UCF MAIN CAMPUS	0012	03	0340
0001	UCF MAIN CAMPUS	0012	03	0343
0001	UCF MAIN CAMPUS	0012	03	0344
0001	UCF MAIN CAMPUS	0012	03	0342
0002	UCF MAIN CAMPUS	0012	03	
0001	UCF MAIN CAMPUS	0012	03	0331
0001	UCF MAIN CAMPUS	0012	03	0333A
0001	UCF MAIN CAMPUS	0012	03	0335
0001	UCF MAIN CAMPUS	0012	03	0350
0001	UCF MAIN CAMPUS	0012	03	0331A
0001	UCF MAIN CAMPUS	0012	03	0333
0001	UCF MAIN CAMPUS	0012	03	0333B
0001	UCF MAIN CAMPUS	0012	03	0333C
0001	UCF MAIN CAMPUS	0012	03	0335A
0001	UCF MAIN CAMPUS	0012	03	0335B
0001	UCF MAIN CAMPUS	0012	01	0144
0001	UCF MAIN CAMPUS	0012	01	0146
0001	UCF MAIN CAMPUS	0012	01	0145

3,925.06

368.78

Room Use Code	Description	Room Area ft <sup>2</sup>	Department Code	Department Name
210	Class Laboratory	862.83	24080000	PHYSICS
210	Class Laboratory	786.67	24080000	PHYSICS
210	Class Laboratory	946.67	24080000	PHYSICS
210	Class Laboratory	1,328.89	24080000	PHYSICS
215	Class Laboratory Service	125.67	24080000	PHYSICS
215	Class Laboratory Service	125.67	24080000	PHYSICS
215	Class Laboratory Service	117.44	24080000	PHYSICS
220	Open Laboratory	125.67	24080000	PHYSICS
210	Class Laboratory	632.64	24080000	PHYSICS
210	Class Laboratory	542.22	24080000	PHYSICS
210	Class Laboratory	459.47	24080000	PHYSICS
210	Class Laboratory	2,106.67	24080000	PHYSICS
215	Class Laboratory Service	110.25	24080000	PHYSICS
215	Class Laboratory Service	904.00	24080000	PHYSICS
215	Class Laboratory Service	86.25	24080000	PHYSICS
215	Class Laboratory Service	86.25	24080000	PHYSICS
215	Class Laboratory Service	226.43	24080000	PHYSICS
215	Class Laboratory Service	226.43	24080000	PHYSICS
220	Open Laboratory	475.56	24080000	PHYSICS
220	Open Laboratory	1,387.34	24080000	PHYSICS
225	Open Laboratory Service	231.83	24080000	PHYSICS
		11,894.85		

1,862.90

1,639.61

<b>Program PCS</b>	<b>CIP Code</b>	<b>Actual Capacity</b>	<b>Design Capacity</b>
General Academic Instruction	40.0801	16	16
General Academic Instruction	40.0801	30	30
General Academic Instruction	40.0801	28	28
General Academic Instruction	40.0801	32	32
General Academic Instruction	40.0801	0	0
General Academic Instruction	40.0801	0	0
General Academic Instruction	40.0801	0	0
General Academic Instruction	40.0801	2	2
General Academic Instruction	40.0801	19	20
General Academic Instruction	40.0801	19	20
General Academic Instruction	40.0801	15	15
General Academic Instruction	40.0801	99	99
General Academic Instruction	40.0801	2	2
General Academic Instruction	40.0801	0	0
General Academic Instruction	40.0801	0	0
General Academic Instruction	40.0801	0	0
General Academic Instruction	40.0801	5	5
General Academic Instruction	40.0801	5	5
General Academic Instruction	14.0101	4	4
General Academic Instruction	14.1901	6	6
General Academic Instruction	14.1401	0	0

<b>UCF Reduced Capacity</b>	<b>Proration Flag</b>	<b>FCO Exempt Code</b>	<b>Handicap Access</b>
13	0	Fixed Capital Outlay Eligible	Yes
9	0	Fixed Capital Outlay Eligible	Yes
12	0	Fixed Capital Outlay Eligible	Yes
16	0	Fixed Capital Outlay Eligible	Yes
0	0	Fixed Capital Outlay Eligible	Yes
0	0	Fixed Capital Outlay Eligible	Yes
0	0	Fixed Capital Outlay Eligible	Yes
0	0	Fixed Capital Outlay Eligible	Yes
17	0	Fixed Capital Outlay Eligible	Yes
7	0	Fixed Capital Outlay Eligible	Yes
10	0	Fixed Capital Outlay Eligible	Yes
33	0	Fixed Capital Outlay Eligible	Yes
0	0	Fixed Capital Outlay Eligible	Yes
0	0	Fixed Capital Outlay Eligible	Yes
0	0	Fixed Capital Outlay Eligible	Yes
0	0	Fixed Capital Outlay Eligible	Yes
0	0	Fixed Capital Outlay Eligible	Yes
0	0	Fixed Capital Outlay Eligible	Yes
0	0	Fixed Capital Outlay Eligible	Yes
0	0	Fixed Capital Outlay Eligible	Yes
0	0	Fixed Capital Outlay Eligible	Yes





