

An architectural rendering of a modern college building with a prominent mountain peak in the background. The scene is rendered in a monochromatic, golden-brown color palette. The building features large glass windows and a central entrance area. The mountain is detailed with rocky textures and snow patches. The overall style is a fine-line architectural drawing with watercolor-like washes.

# Volume 2 Master Program

CRAFTON HILLS COLLEGE MASTER PLAN  
SAN BERNARDINO COMMUNITY COLLEGE DISTRICT

**CraftonHills**  
COLLEGE

STEINBERGARCHITECTS

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Volume 2 Master Program

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# 1 | SUMMARY

# OVERVIEW

Crafton Hills College is one of two colleges in the San Bernardino Community College District, the other being San Bernardino Valley College in San Bernardino. San Bernardino and Riverside Counties comprise what is commonly known as the “Inland Empire”, which is one of the fastest growing metropolitan regions in the nation. Based on demographic trends, Crafton Hills College is expected to grow from 5,400 students to 7,150 students by the year 2012 and ultimately expand to 11,470 students by 2025. The target of 7,150 students is critical to reach because this is traditionally the threshold of students that can support a comprehensive course offering and curriculum (which is not currently available), and in turn will provide CHC with the resources to retain its students. The years 2012 and 2025 are used as guidelines and can slide further into the future. The focus is on achieving the enrollment numbers and not necessarily meeting the dates.

It is essential to first understand how CHC operates before recommending where and how their facilities should grow. All of the existing spaces on campus were analyzed to confirm their use by room type and department. Room schedules were consulted for the lecture and lab spaces on campus to determine their utilization, i.e., how often classes were being taught. Meetings were held with the academic departments to understand their existing needs and issues.

The overall growth of the campus is based on the projections of the Educational & Facilities Master Plan (October 2000) and its Update (March 2005) – see appendix. The plan identifies how academic disciplines will grow based on demographic and economic forecasts and educational trends for the college. This information was synthesized to determine which programs are growing the most, triggering a need for more space, and to identify the amount of overall growth to the campus. Currently, the campus is overbuilt and underutilized, per State standards. There is too much lecture and office space than the 5,400 students can justify and not enough hours per week are being taught in the classrooms.

Combining the information learned from the space utilization study of the campus with the projected space needs and keeping in mind the Master Plan goals, a Master Program Plan was developed that outlines how growth will be accommodated through the renovation, addition and construction of new buildings on campus. Related departments will be grouped together by cluster to consolidate programs that are currently spread out over campus. Each academic cluster will have facilities such as a departmental library, an instructional media room, and technical support to create “hot spots.” The departmental grouping of each cluster is based on the types of spaces needed by each cluster, its projected growth, and desired and functional adjacencies.

In order to provide a minimum standard of performance and an equitable teaching environment, standards for lectures, labs, offices and conference rooms were created. These set a standard for the sizes of new spaces on campus and will serve as a guideline for the renovation and new construction.

The following documents were consulted while developing the Master Program Plan:

- Educational & Facilities Master Plan – Crafton Hills College, October 2000, Maas Companies
- Educational & Facilities Master Plan Update – Crafton Hills College, March 2005, Maas Companies
- Space Inventory Report – Report 17, March 2005, San Bernardino Community College District
- Learning Resource/Technology Center Final Project Report, February 2005, Maas Companies
- Crafton Hills College Room Schedule – Lecture, Fall 2005, Crafton Hills College
- Crafton Hills College Room Schedule – Labs, Spring 2005, Crafton Hills College



## 2 | SPACE UTILIZATION

# SUMMARY

To understand how Crafton Hills College functions, a determination must be made for how each room is used. The Space Inventory Report – Report 17 (a listing of the existing rooms on campus) was studied and updated with information gained from on campus walk-throughs and through meetings with the users. Approximately 3,910 ASF was removed from the Space Inventory because it did not qualify as assignable square footage (ASF).

The Space Inventory groups the existing spaces by building and identifies their room type (office, lecture, lab, etc.) and use (Taxonomy of Programs – TOPs code). The same data were rearranged by department to create a Space Use matrix that illustrates how much and what type of space each department uses. Floor plans of the existing buildings were color coded to reflect the departmental usage. The resulting plans showed that the majority of the departments are spread out over the campus. Those that are most spread out from one another are Fine Arts, Humanities (including Language Arts and Social Sciences), Business & Information Technology, Student Services and the Police Department. Departmental separation leads to academic and spatial inefficiencies. All of the departments on campus would ideally like to be consolidated and co-located.

The majority of the buildings on campus are constructed of concrete. This construction type limits both the flexibility to reconfigure internal spaces and the adaptability to new technologies within the spaces. The interior of the majority of the buildings appear to be run down and in need of new finishes to improve the overall atmosphere for the students, faculty and staff.

Meetings with the Instructional and Student Services Councils as well as with various campus departments resulted in a list of common campus-wide needs, issues and facts.

## GENERAL NEEDS

1. Medium-sized classrooms for 40-55 students – Of the 29 classrooms on campus, 8 are extra-small (35 seats or less), 5 are small (36-45 seats), 10 are medium (46-55 seats) and 6 are large (55 or more). The small classrooms are too small to be used by most classes except for Language Arts, thereby limiting their flexibility. As with most colleges, the most popular class time is in the morning. In the mid-afternoons, classrooms are typically empty until the evening sessions begin. Few classes are taught on Fridays. The demand for medium-sized classrooms has as much to do with the space as it does with the utilization. Increasing how often the existing medium lecture rooms are used will alleviate some of the need until the student population requires more rooms. Currently most classrooms are heavily scheduled between 11 am and 1 pm.
2. Large-sized classrooms for 100-120 students – After the four largest classrooms in Lab/Admin and Chemistry Buildings that seat approximately 65 students, the next largest classroom on campus is the auditorium in the Performing Arts Center which seats 400. There is a need for two classrooms of approximately 1,500 ASF that can be used by the larger classes on campus.
3. Assembly Space for 120-200 students – There is a need on campus for one extra-large lecture/assembly space of approximately 2,500 ASF that can be used for instructional purposes, informal performances, and community events, such as guest speakers, which do not require the seating capacity of the PAC auditorium.
4. Electrical Upgrades Campus Wide – “Blowing fuses” is a common problem campus-wide. Faculty and staff noted the inability to operate multiple electrical devices at one time; an added difficulty is that since the faculty do not have access to electrical rooms, maintenance must be called to fix the problem each time it occurs.
5. Part-time Faculty Offices – There are no dedicated part-time faculty offices on campus. CHC needs shared office space for part-time faculty.

6. Faculty Offices – Space will need to be provided for new faculty as programs grow. It is desirable to have faculty offices located closer to where they actually teach to encourage interaction with the students. The majority of the faculty offices are located on the third floor of the Student Services building (SSA).
7. Administration Offices – A new middle management level will be introduced as part of Administration and will need to have offices. It is expected that five (5) new associate dean positions will be added. Developmental Education and Institutional Advancement will also be adding new positions that will also require offices. Institutional advancement can be located off campus.
8. Storage – Short-term and long-term storage is a need for most people on campus, particularly those in Student Services, Administration, Health & Wellness and Emergency Services. The main storage area at the Maintenance building, which houses the Shipping and Receiving departments, is not secure and often open to the elements. This poses a large problem particularly when large shipments of computer equipment or books arrive on campus and need to be stored until they can be distributed to their final locations.
9. Reading Center, Writing Center and Mathematics Center – The faculty prefers that these services be located with the departments that they support rather than with the Learning Center.
10. Exterior Seating – There is not enough exterior seating provided on campus, particularly in the shaded areas.
11. Master Clock System – There is no master clock system on campus. A master clock system would help improve starting and ending classes on time and managing the time to transfer between classes. The utilization of such a system would synchronize all classroom clocks.
12. Parking – There is a perceived lack of available parking spaces on campus during the peak periods of the day, 10 am – 1 pm. It is during this time that the campus is the most crowded.

#### GENERAL ISSUES

1. Bookstore Location – The location of the Bookstore should be central to the campus rather than at the far east end. Despite vending machines that offer office supplies throughout campus, the college believes that more students would use it if the Bookstore were centrally located.
2. Cafeteria Location – The location of the Cafeteria should be central to the campus rather than at the far west end. Vending machines are located throughout campus that serve the students when the Cafeteria is closed. CHC has expressed a desire to have the “enterprise” or money-making activities co-located to better support and enhance one another.
3. Campus Accessibility – The campus accessibility needs to be improved to meet current codes. There is a concern that disabled students do not come to CHC because of the difficulty in navigating the campus.

#### GENERAL FACTS

1. Classrooms are too small and dark – In general, the teaching spaces on campus have few windows creating dark environments that are not attractive to students. As mentioned previously, many of the classrooms are too small to be used by classes with a capacity of 40 or more, and this limits the scheduling flexibility for the rooms.
2. Classroom furniture is mismatched – There are few rooms on campus that have matching furniture and many pieces are in need of repair. The lack of uniformity of furniture leads to an unattractive learning environment and can cause a bad “first impression” on students.
3. Seven (7) “Smart” classrooms on campus – CHC has converted seven of its existing classrooms on campus to “Smart” classrooms. The small “Smart” classrooms (BC106, CL 218, and CL 107) have wall-mounted equipment, a ceiling mounted projector, and no lectern. The medium/large “Smart” classrooms (BC101, CHS 237, LADM 224, and CHS 242) have a lectern with computer, DVD, front/back switching, a pull-down or motorized screen, and a ceiling mounted projector.

# EXISTING BUILDING ASF/GSF SUMMARY

Building	Report 17 ASF*	Revised ASF	GSF
01 Lab/Admin	25,784	24,042	30,621
02 Library	26,042	25,299	36,900
03 Student Center	8,245	8,398	8,560
04 Student Services	4,773	4,783	9,970
05 Classroom Building	5,816	5,714	6,800
06 Occupational Ed 1 (OE1)	7,719	7,602	9,842
07 Occupational Ed 2 (OE 2)	12,385	12,302	15,730
08 Performing Arts Center (PAC)	15,736	16,495	29,851
09 Maintenance	5,827	5,827	6,400
10 Gymnasium	22,428	20,764	27,250
12 Chemistry/Health Science	12,776	12,883	17,238
13 Child Development 1	3,083	3,220	4,900
14 Child Development 2	1,746	1,906	3,150
15 Child Development 3	886	886	960
16 Student Services B	4,194	3,991	5,575
17 Bookstore (BK)	4,647	4,791	5,760
18 Classrooms at Bookstore (BC)	3,794	4,072	4,320
35 Building O	864	897	960
<b>CAMPUS TOTAL</b>	<b>166,745</b>	<b>163,872</b>	<b>224,787</b>

\*Existing per Report 17 (March 2005)

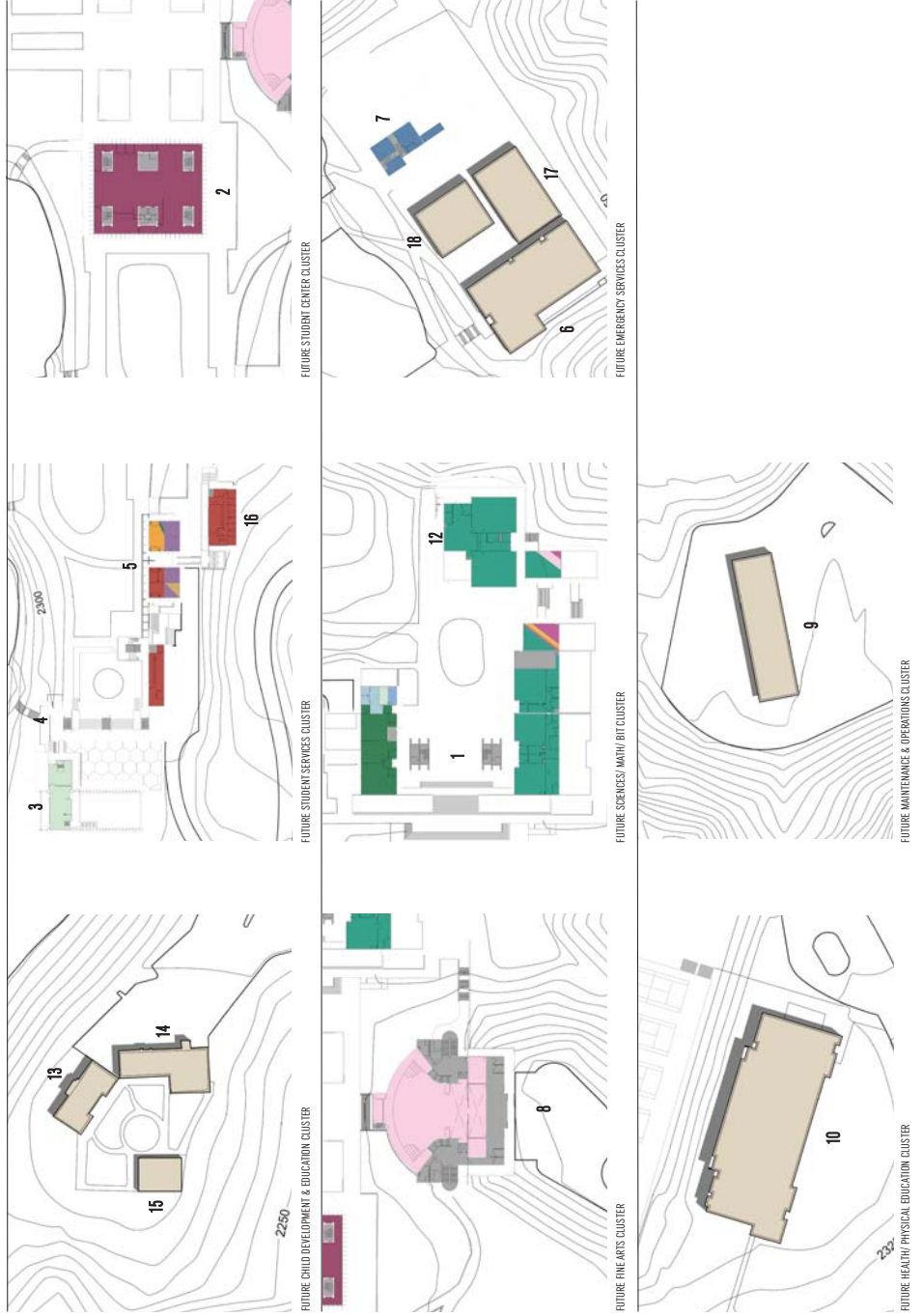
GSF - Gross Square Feet: Usually refers to gross area of a building by measuring from the outside of its exterior walls and including all vertical penetrations such as elevator shafts. Also includes basement space

ASF - Assignable Square Feet: Amount of space that can be used for programs within interior walls of a room. Major room use categories typically include classrooms, laboratories, offices, study areas, special use space, general use areas, support rooms, health care, residential, and unclassified space.

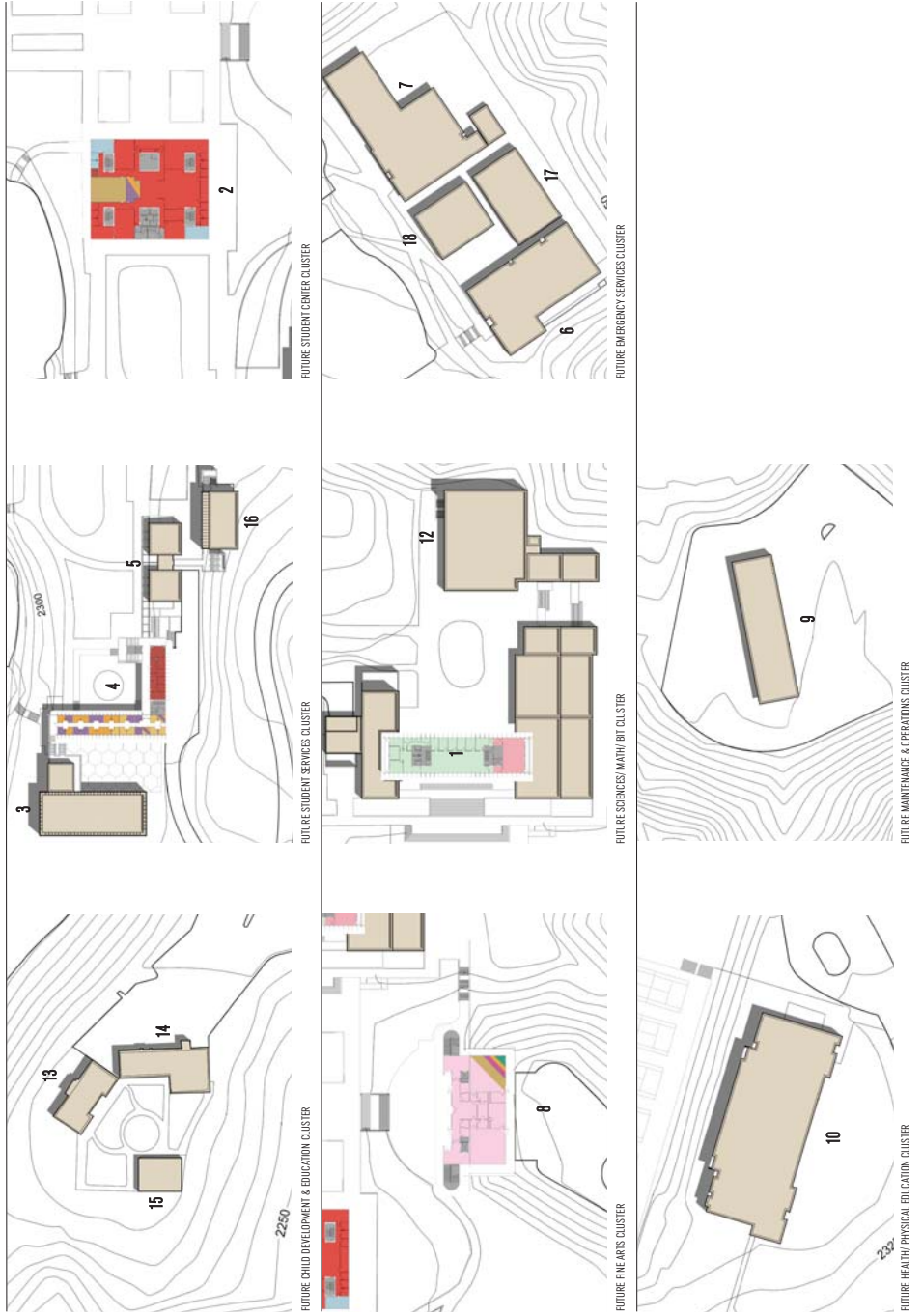
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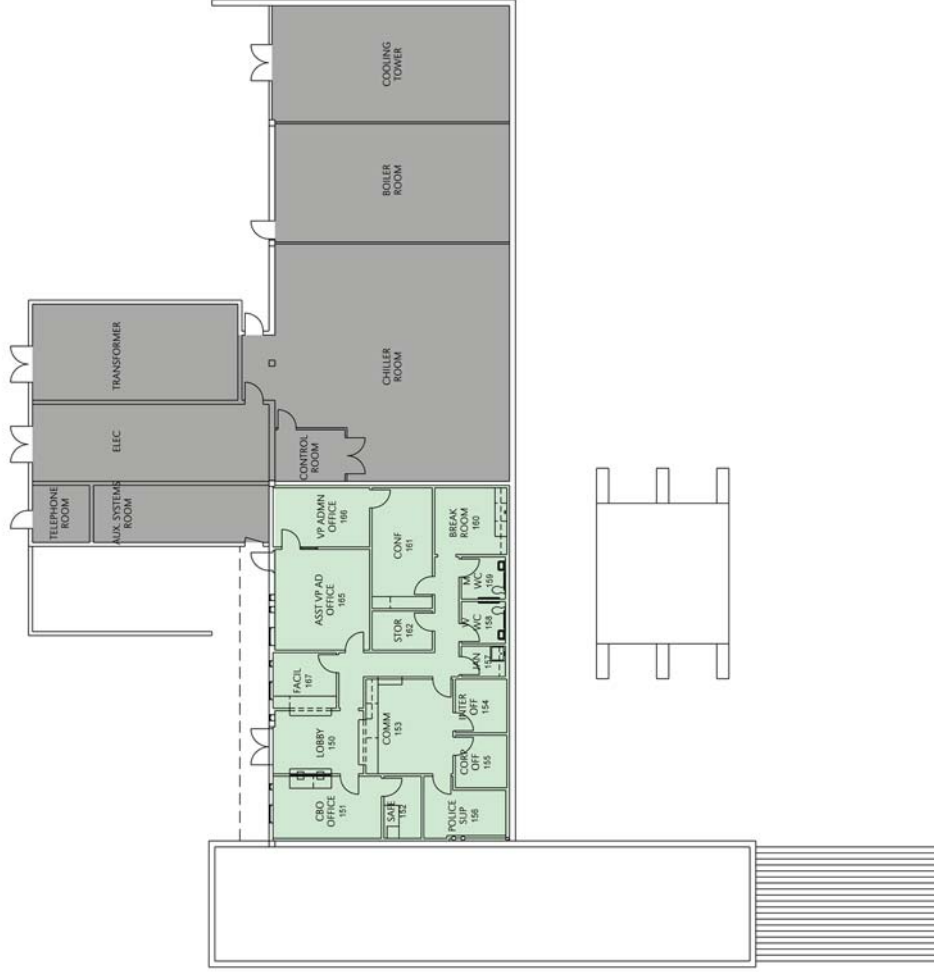
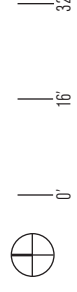
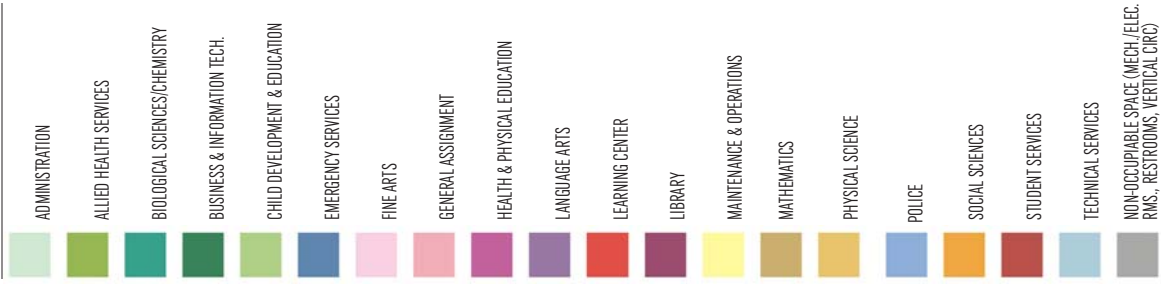
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# EXISTING DEPARTMENT LOCATIONS - THIRD LEVEL



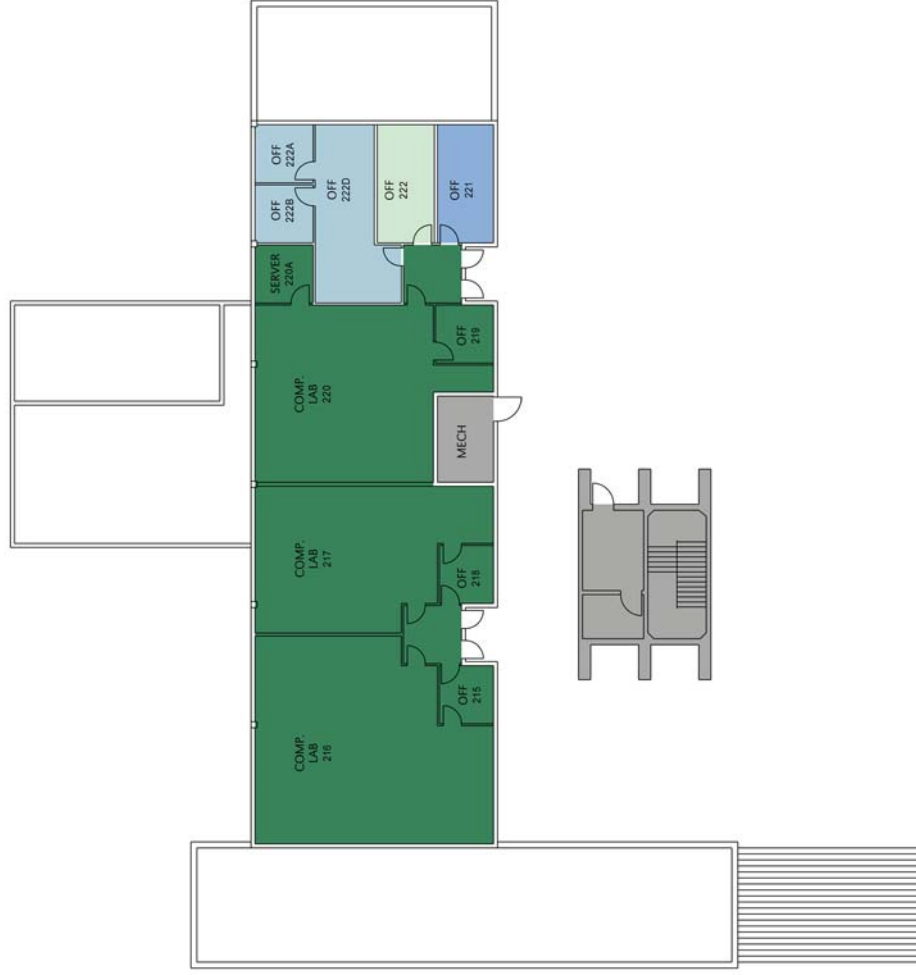
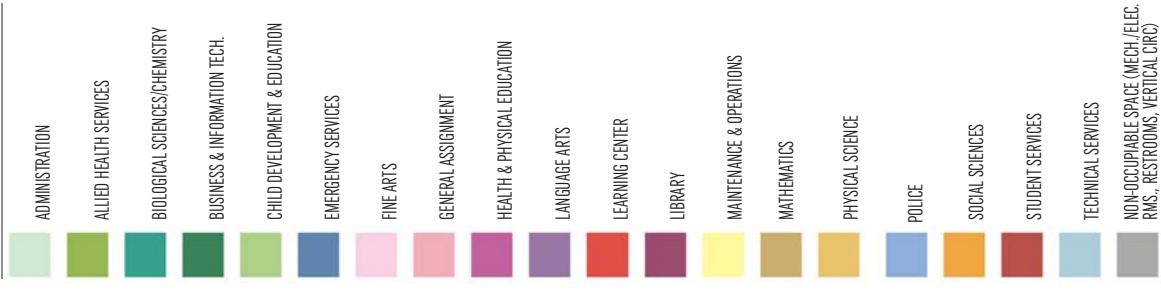
DEPARTMENTS & INSTRUCTIONAL DIVISIONS



1 LABORATORY/ ADMINISTRATION  
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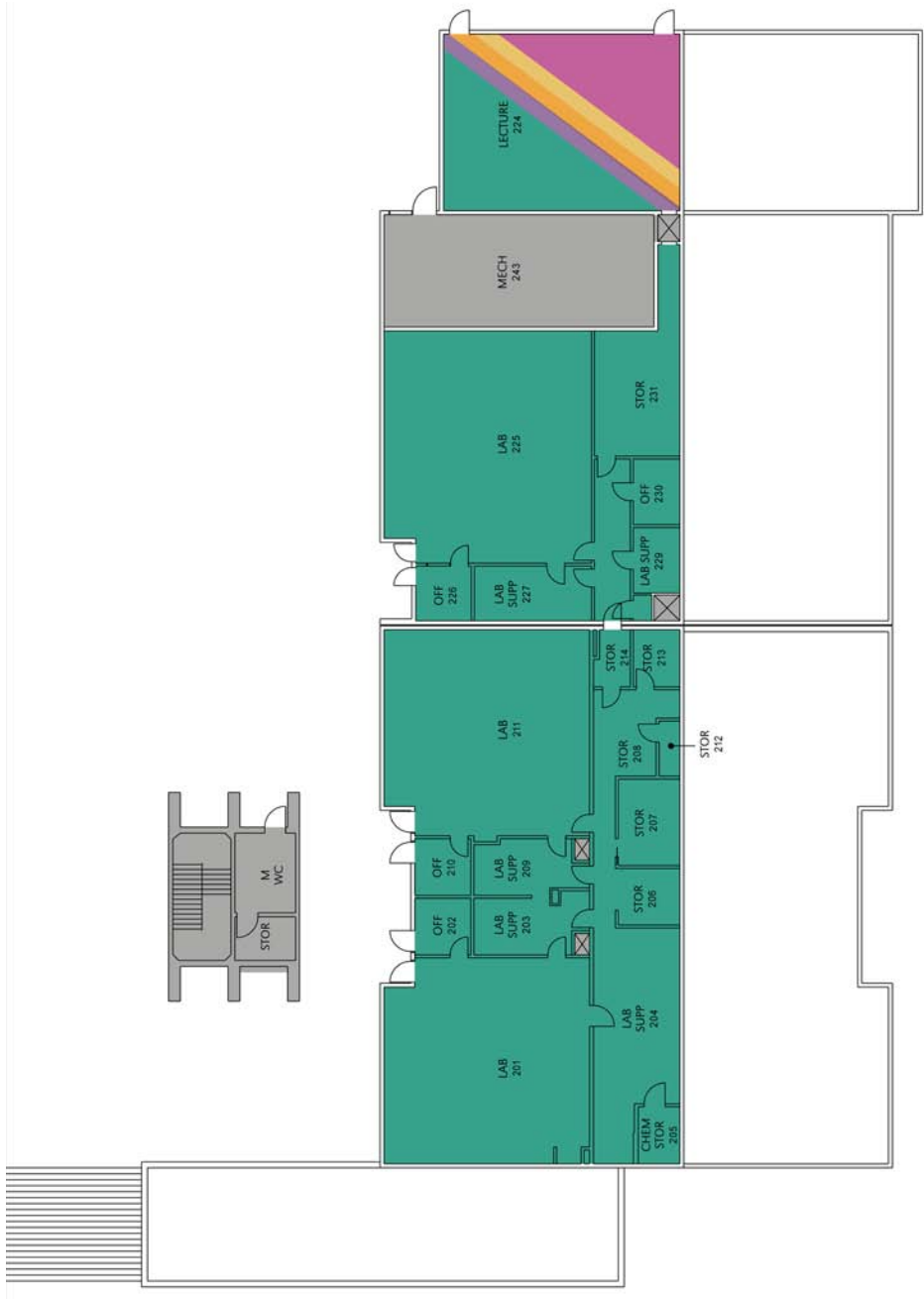
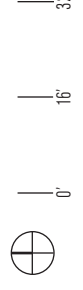
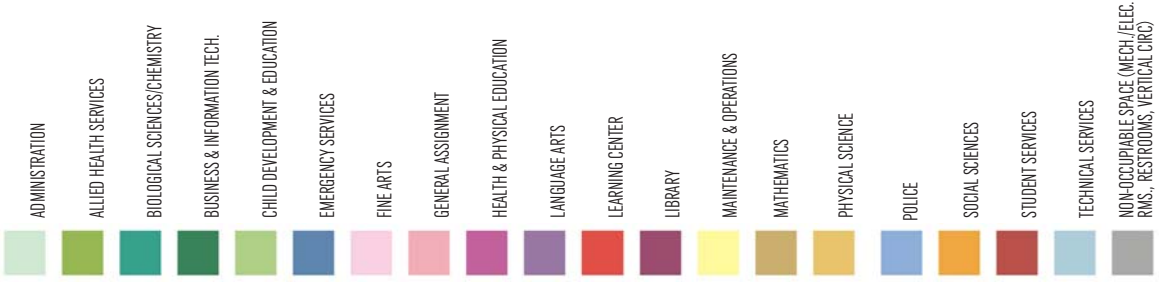


DEPARTMENTS & INSTRUCTIONAL DIVISIONS



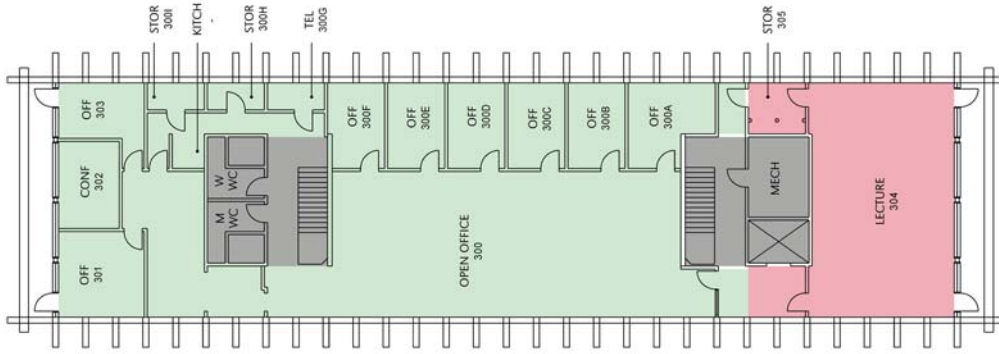
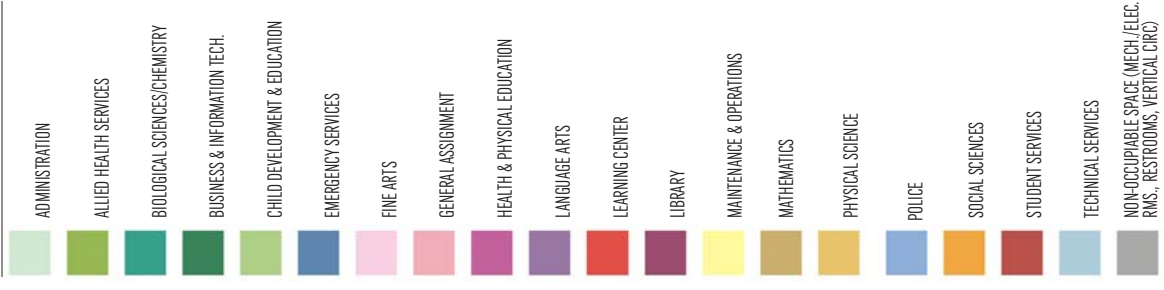
1 LABORATORY/ ADMINISTRATION  
SECOND LEVEL - NORTH

DEPARTMENTS & INSTRUCTIONAL DIVISIONS



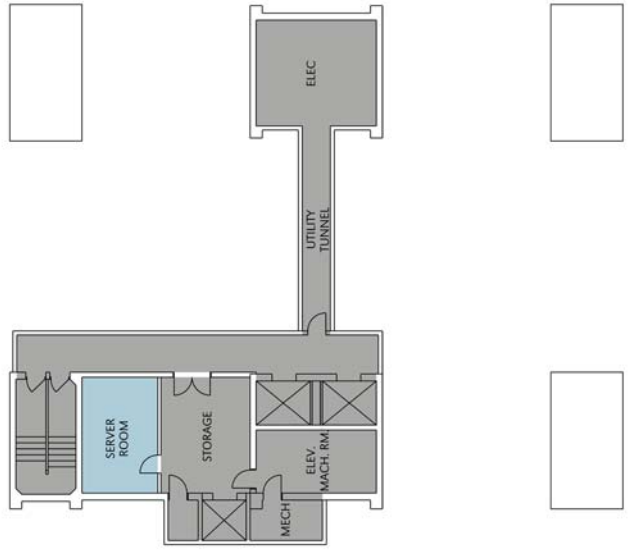
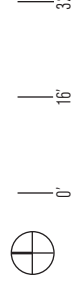
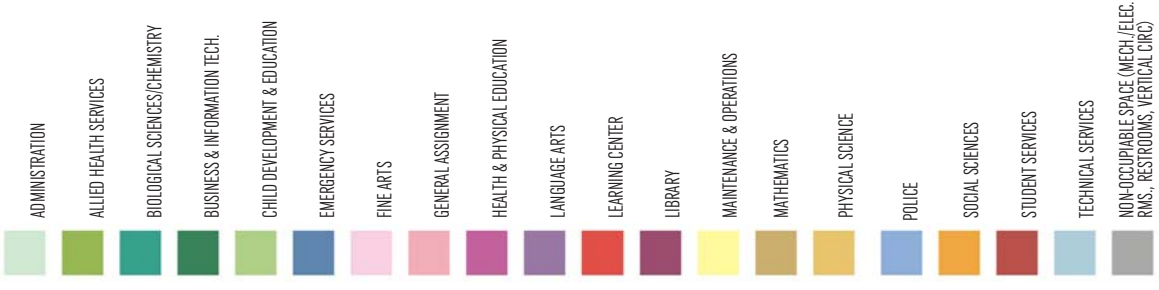
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SECOND LEVEL - SOUTH

DEPARTMENTS & INSTRUCTIONAL DIVISIONS



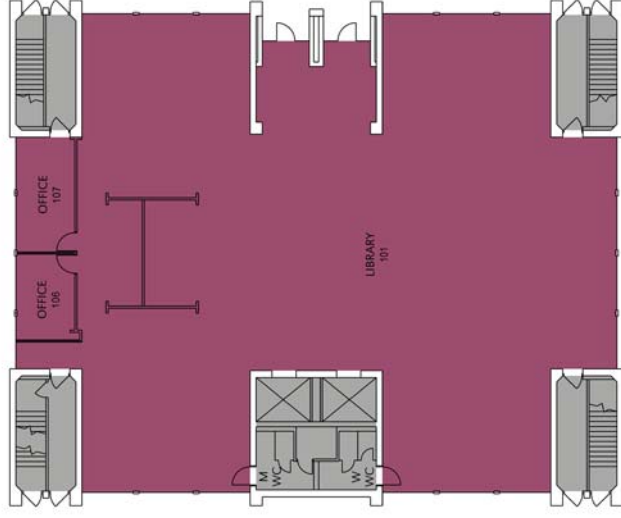
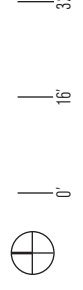
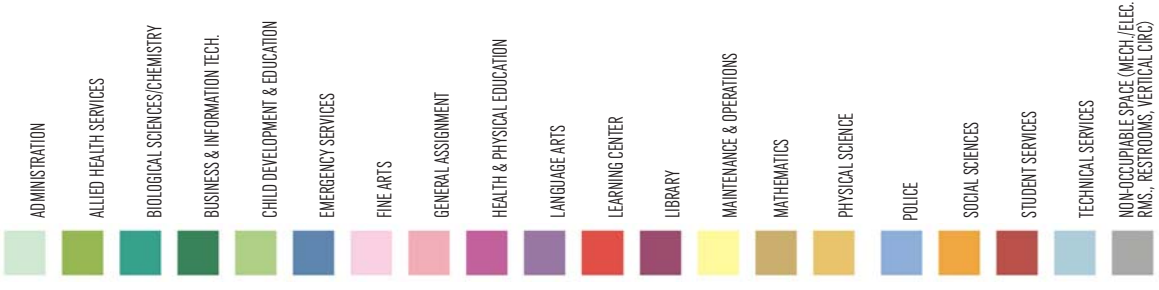
1 LABORATORY/ ADMINISTRATION  
THIRD LEVEL

DEPARTMENTS & INSTRUCTIONAL DIVISIONS



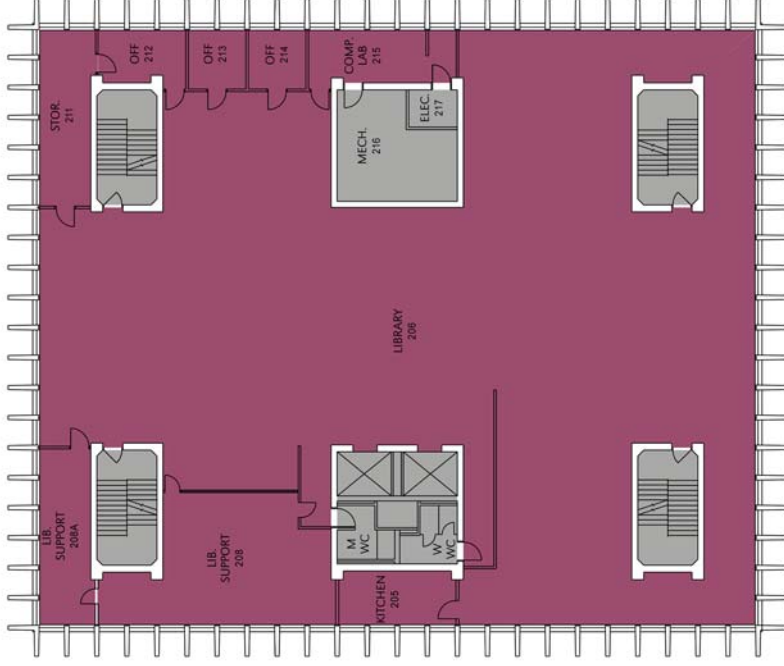
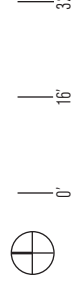
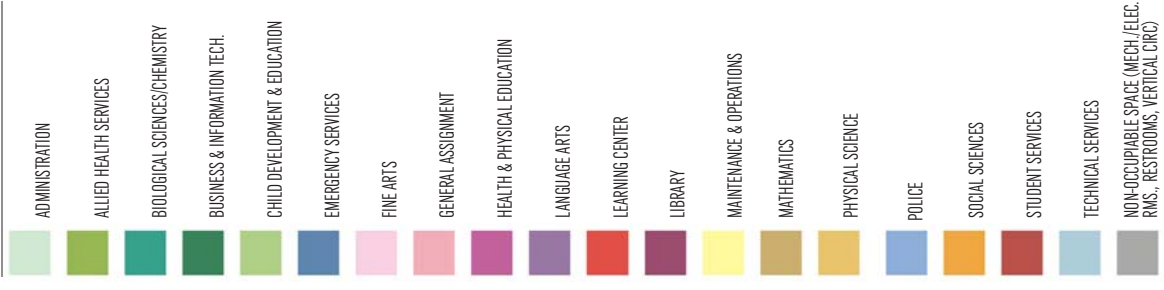
2 LIBRARY/ LEARNING RESOURCES  
BASEMENT LEVEL

DEPARTMENTS & INSTRUCTIONAL DIVISIONS



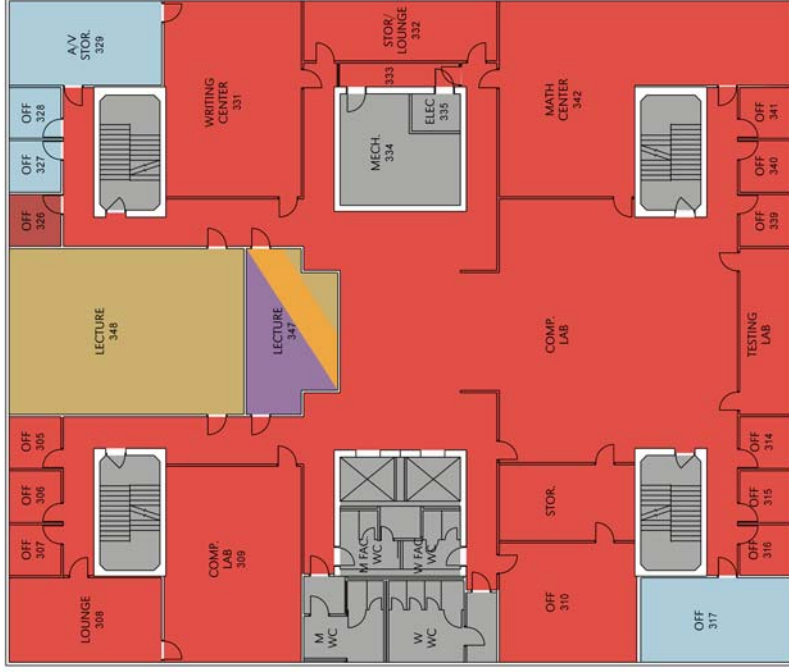
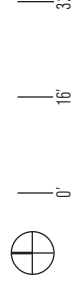
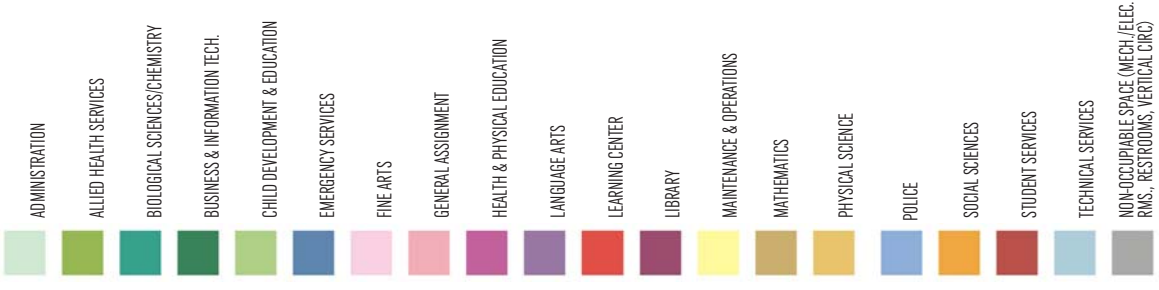
2 LIBRARY/ LEARNING RESOURCES  
FIRST LEVEL

DEPARTMENTS & INSTRUCTIONAL DIVISIONS



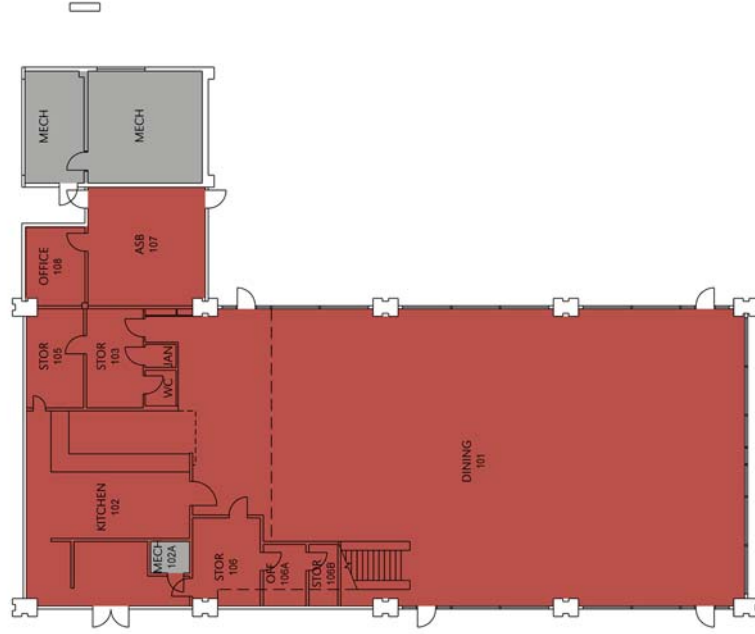
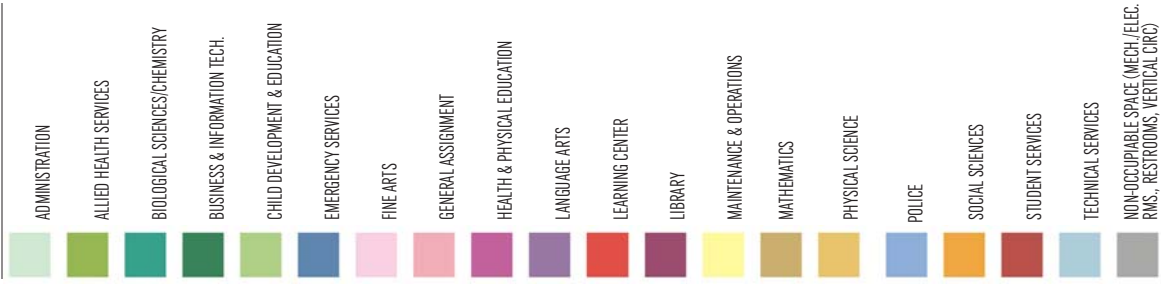
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DEPARTMENTS & INSTRUCTIONAL DIVISIONS



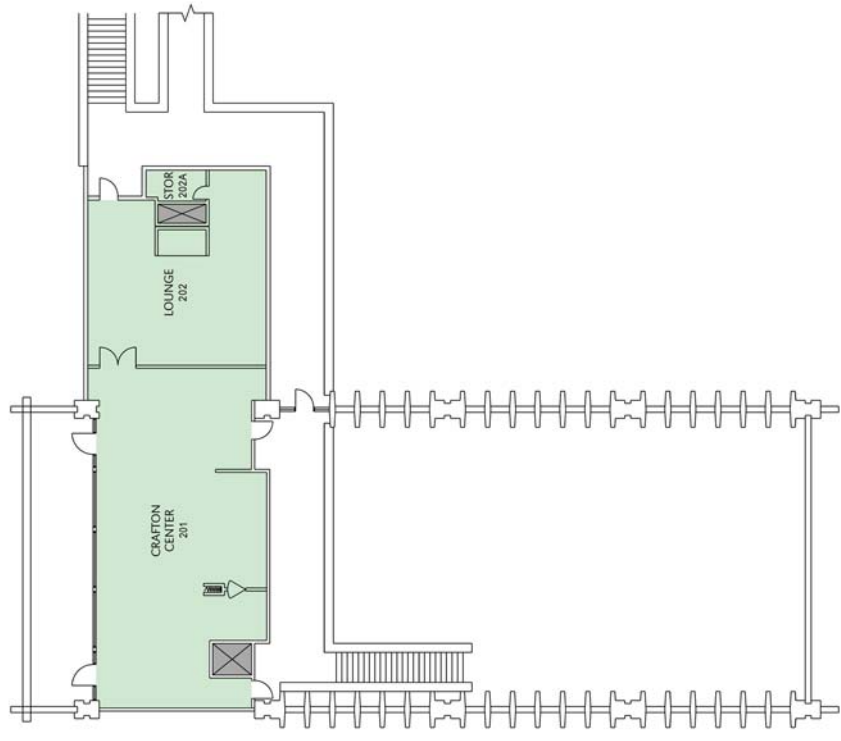
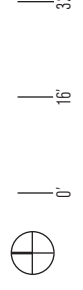
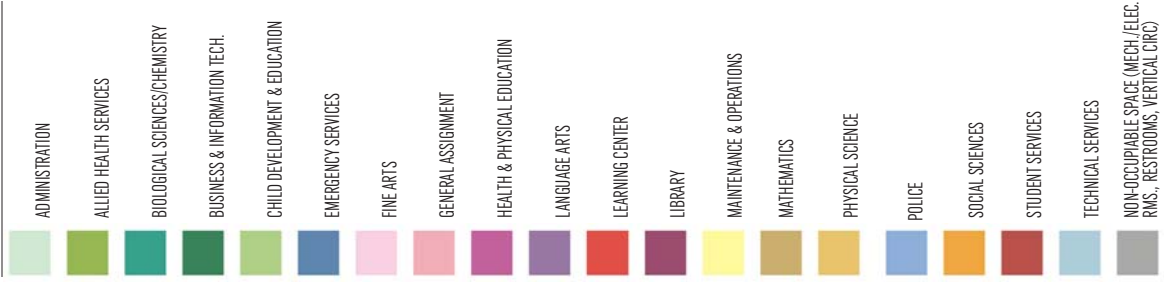
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THIRD LEVEL

DEPARTMENTS & INSTRUCTIONAL DIVISIONS



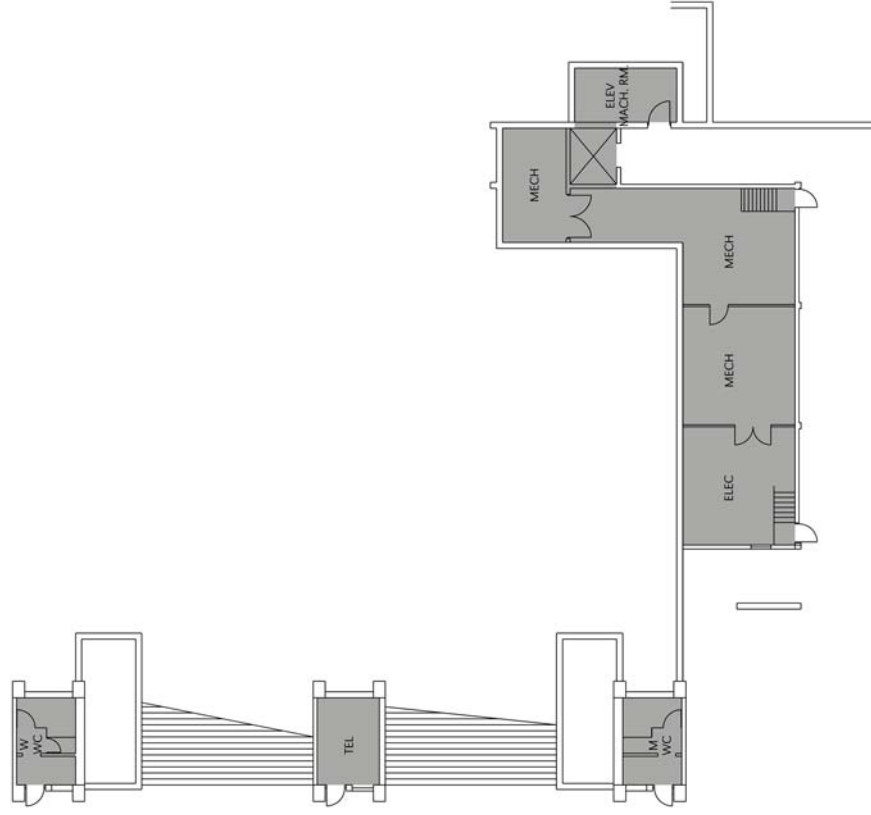
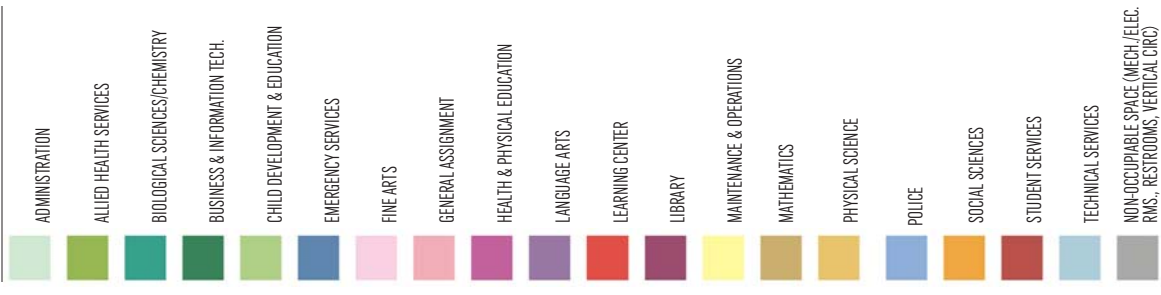
3 COLLEGE CENTER  
FIRST LEVEL

DEPARTMENTS & INSTRUCTIONAL DIVISIONS



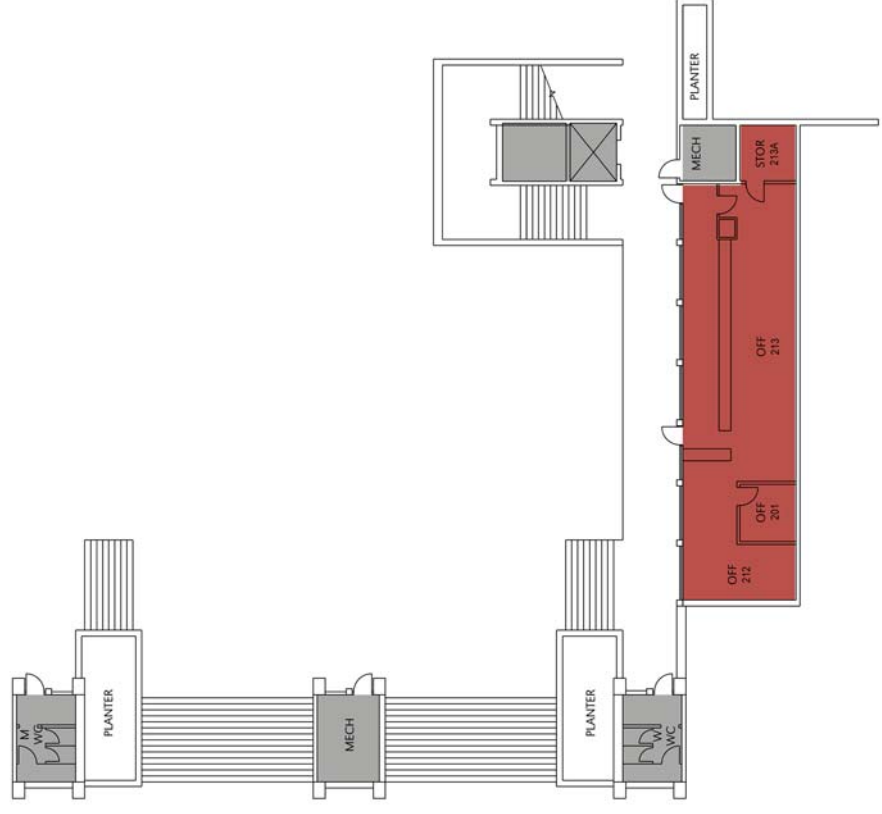
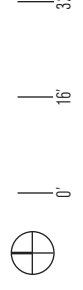
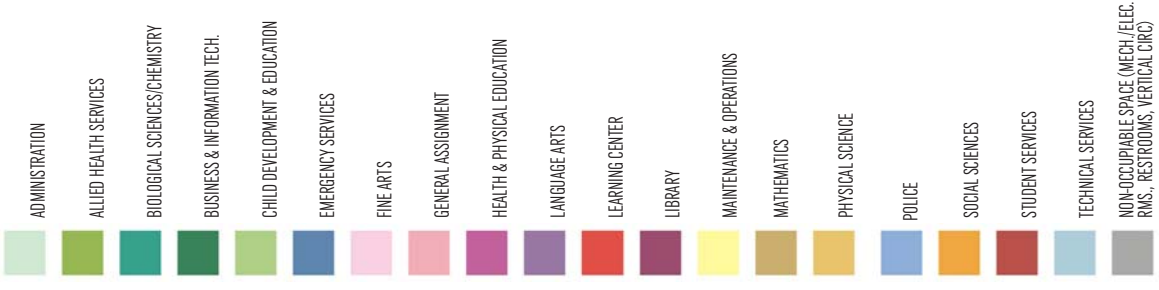
3 COLLEGE CENTER  
SECOND LEVEL

DEPARTMENTS & INSTRUCTIONAL DIVISIONS



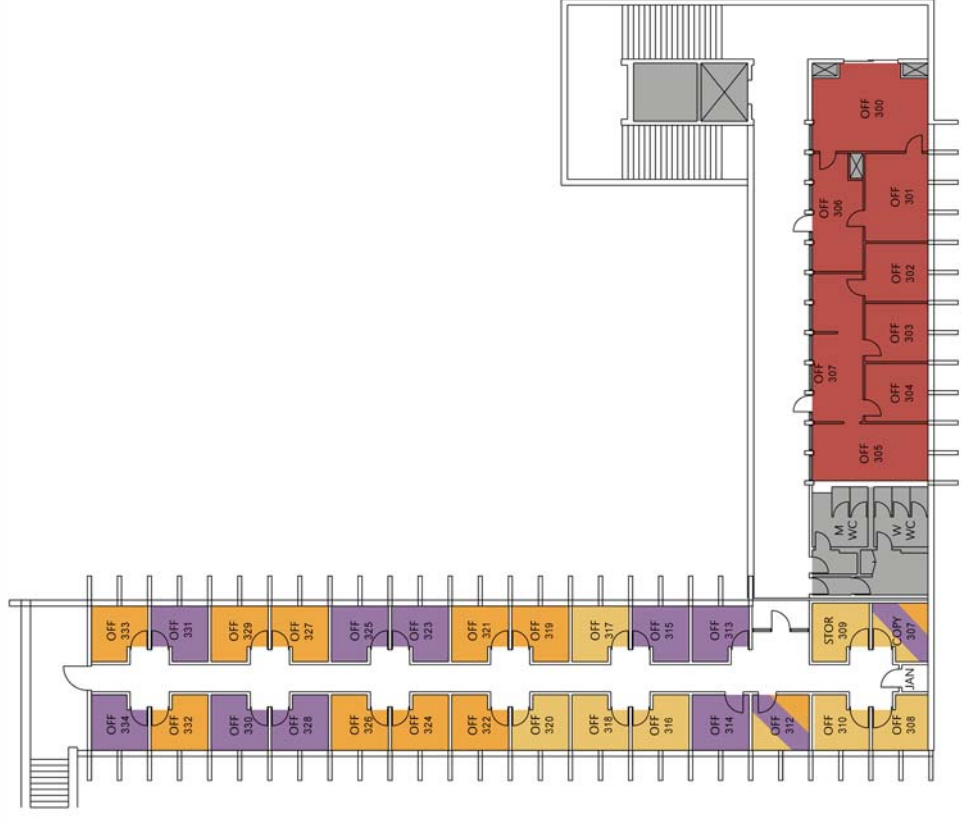
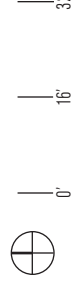
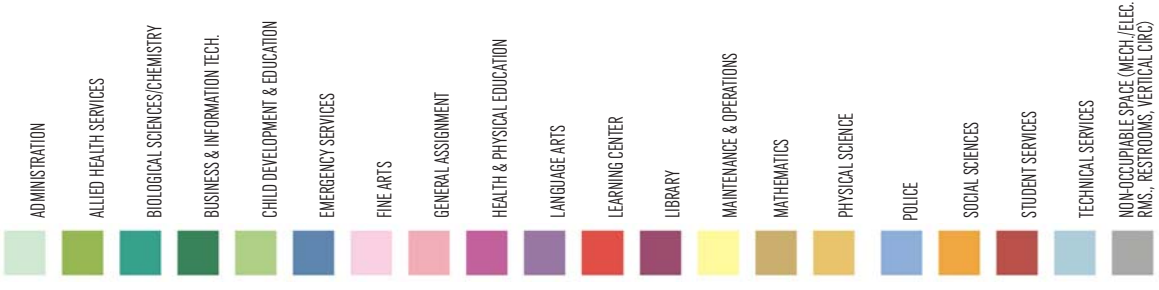
4 STUDENT SERVICES A  
FIRST LEVEL

DEPARTMENTS & INSTRUCTIONAL DIVISIONS



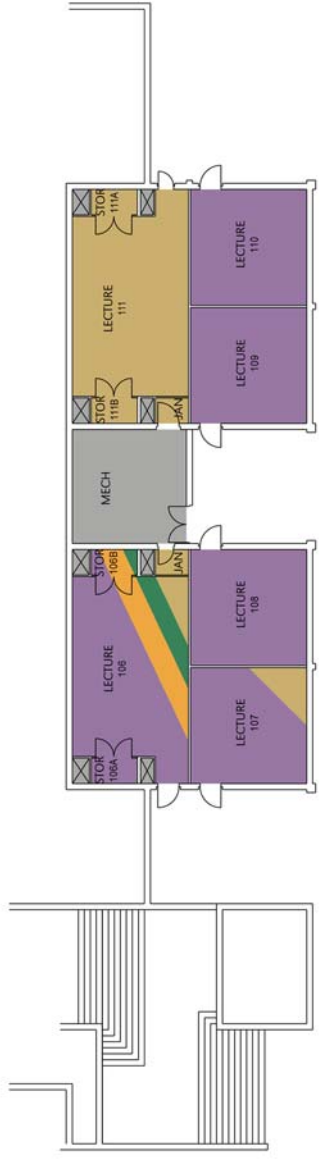
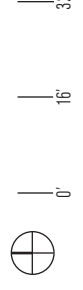
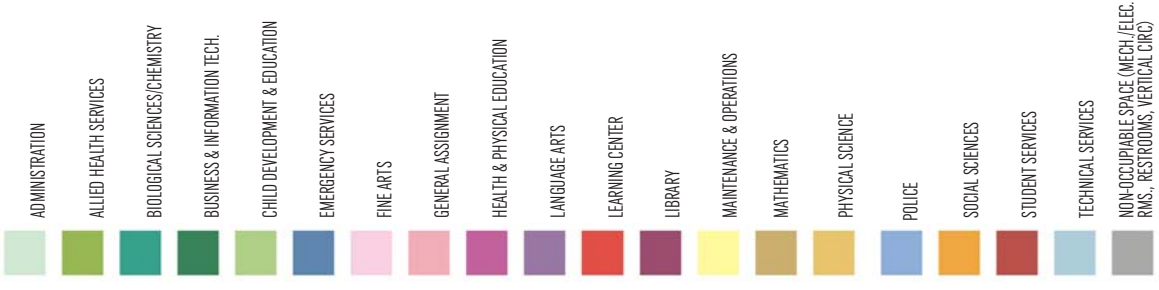
4 STUDENT SERVICES A  
SECOND LEVEL

DEPARTMENTS & INSTRUCTIONAL DIVISIONS



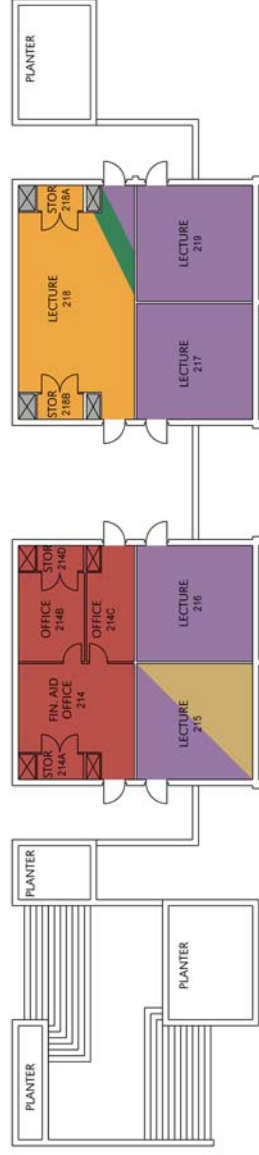
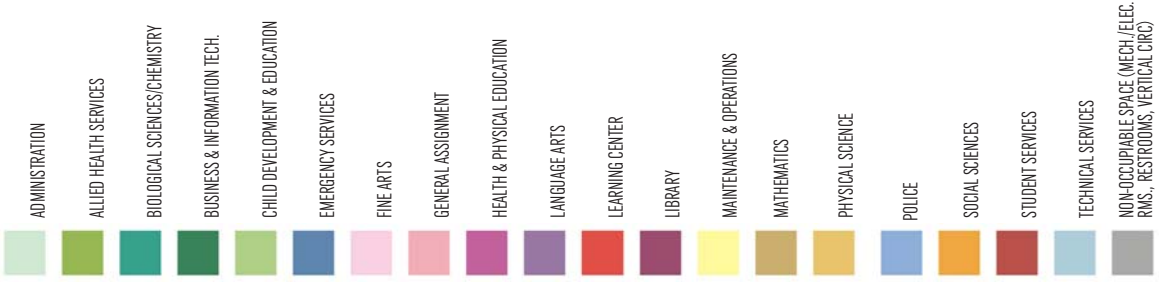
4 STUDENT SERVICES A  
THIRD LEVEL

DEPARTMENTS & INSTRUCTIONAL DIVISIONS



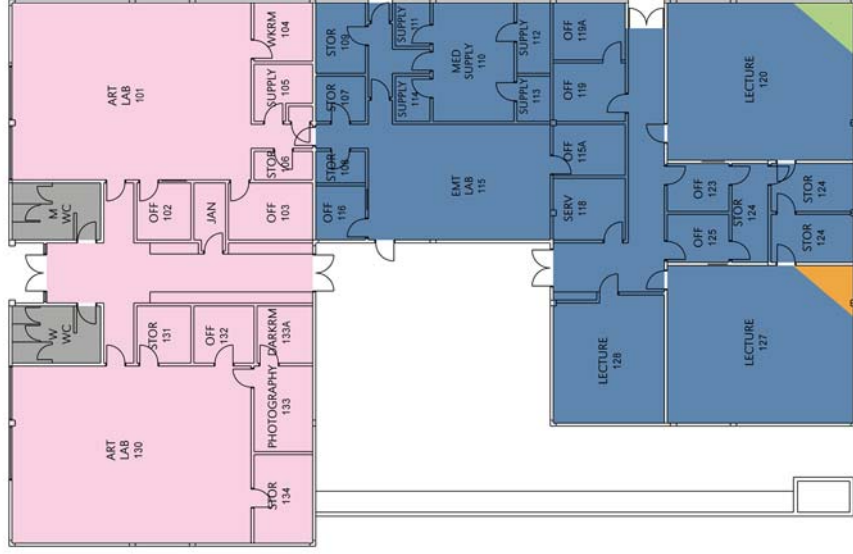
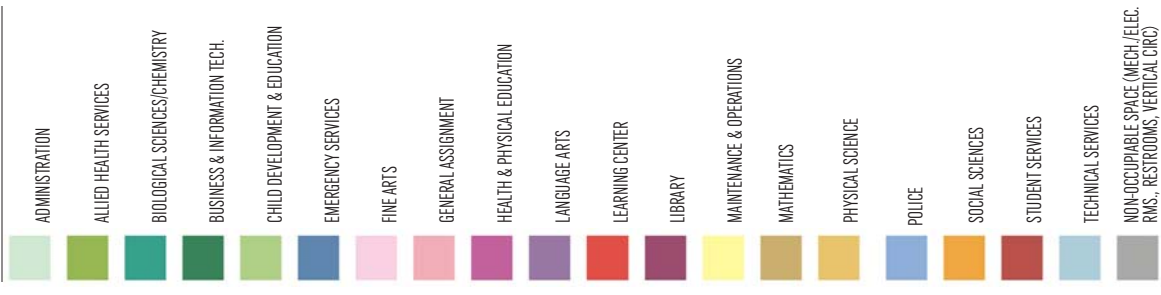
5 CLASSROOM BUILDING  
FIRST LEVEL

DEPARTMENTS & INSTRUCTIONAL DIVISIONS



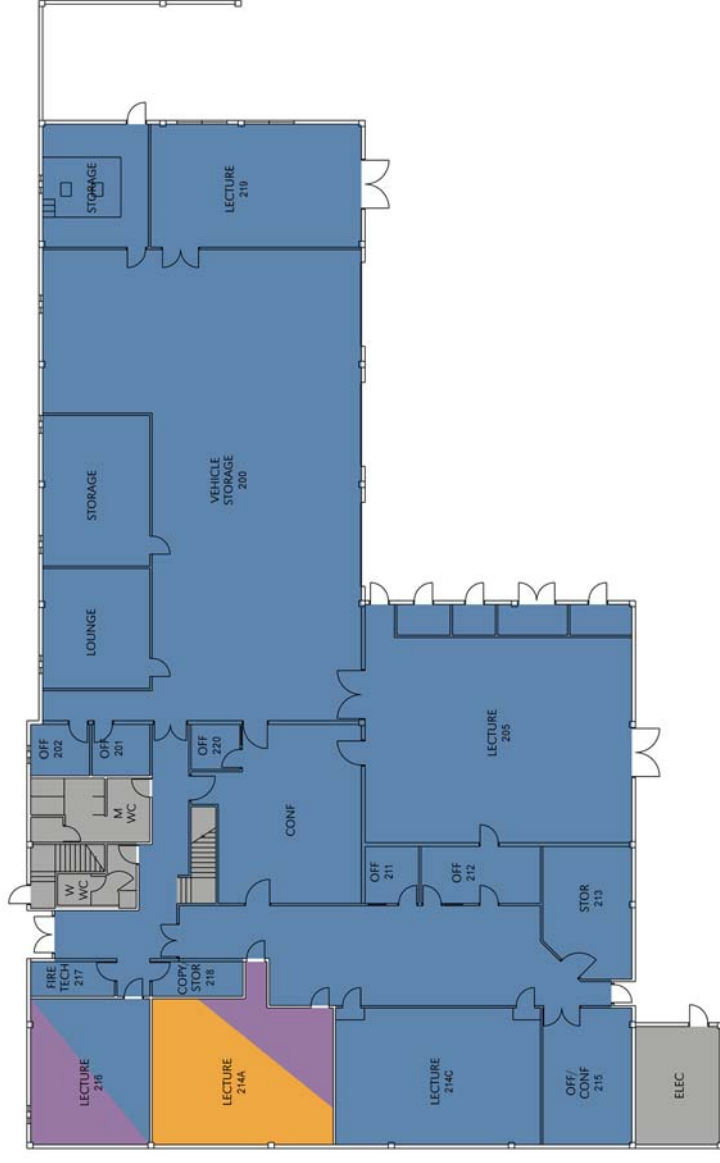
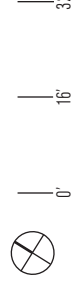
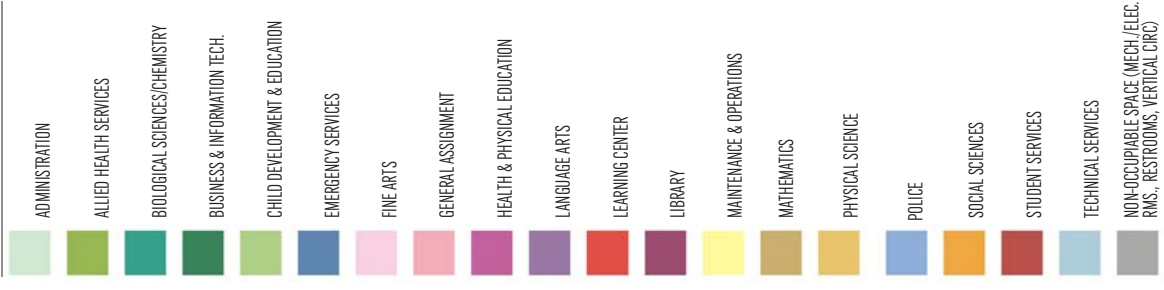
5 CLASSROOM BUILDING  
SECOND LEVEL

DEPARTMENTS & INSTRUCTIONAL DIVISIONS



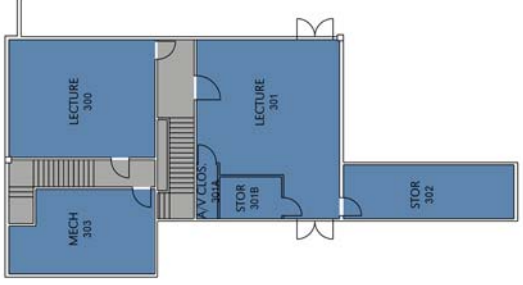
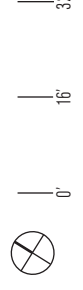
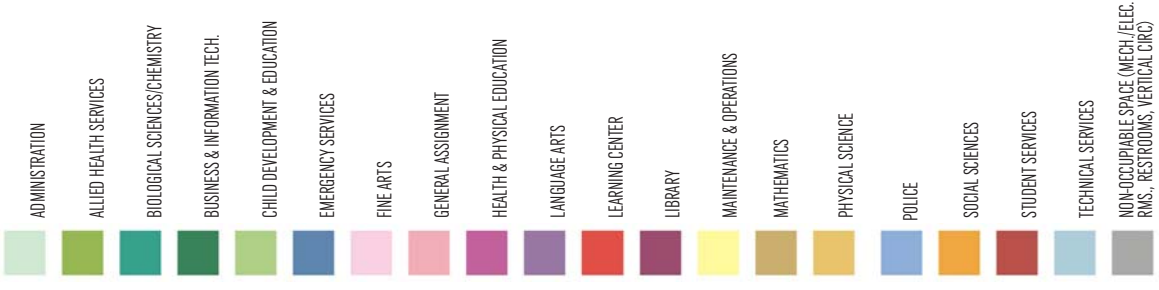
6 OCCUPATIONAL EDUCATION 1

DEPARTMENTS & INSTRUCTIONAL DIVISIONS



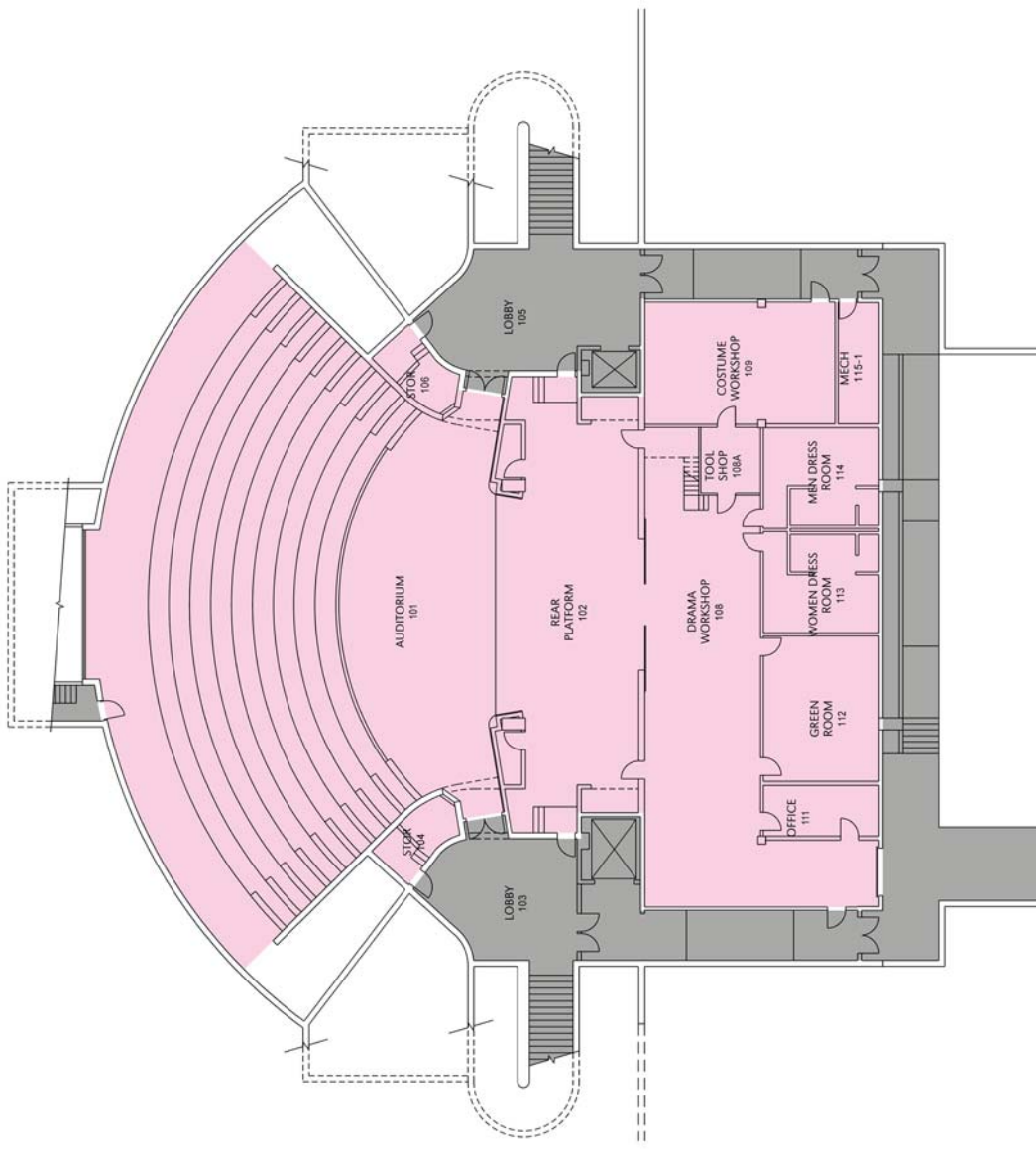
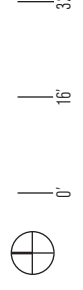
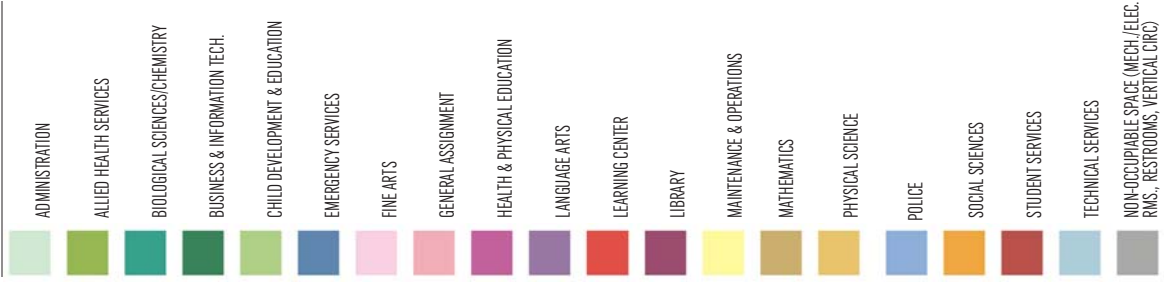
7 OCCUPATIONAL EDUCATION 2  
FIRST LEVEL

DEPARTMENTS & INSTRUCTIONAL DIVISIONS



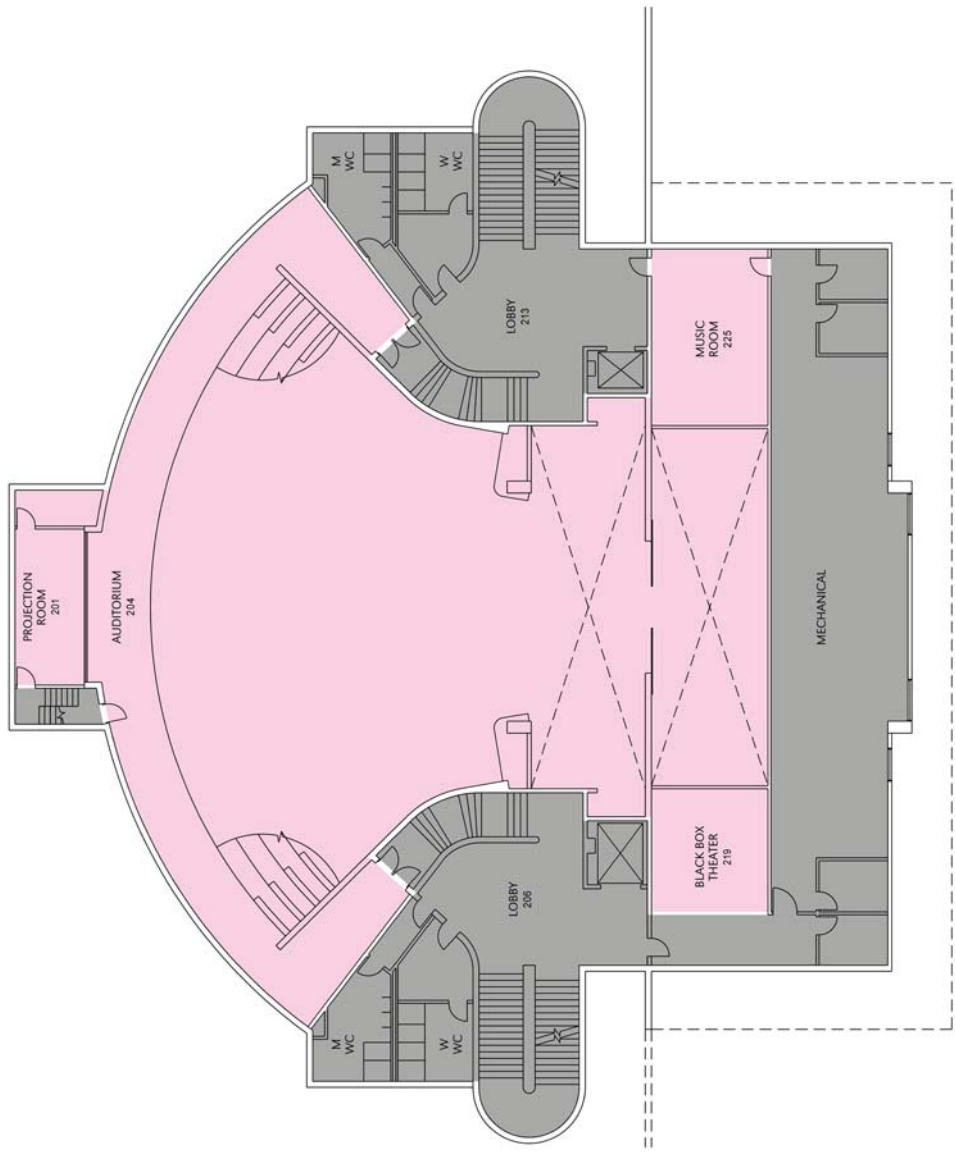
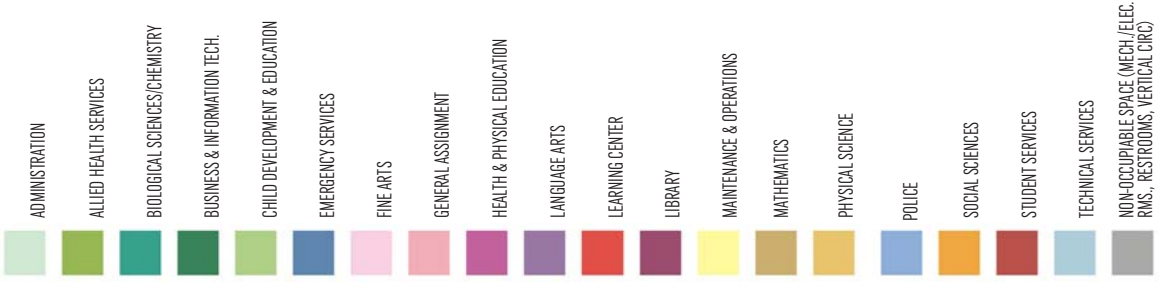
7 OCCUPATIONAL EDUCATION 2  
SECOND LEVEL

DEPARTMENTS & INSTRUCTIONAL DIVISIONS



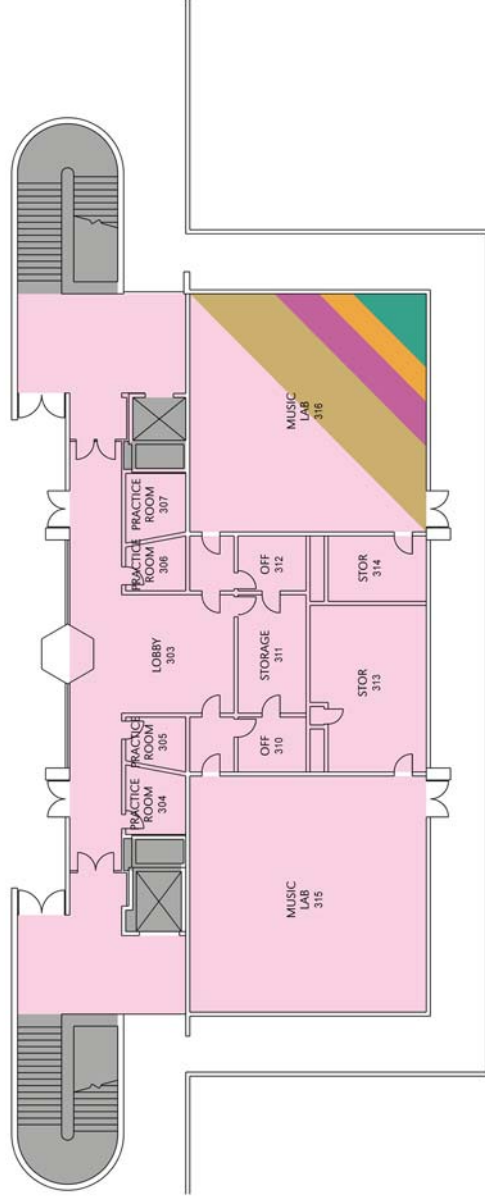
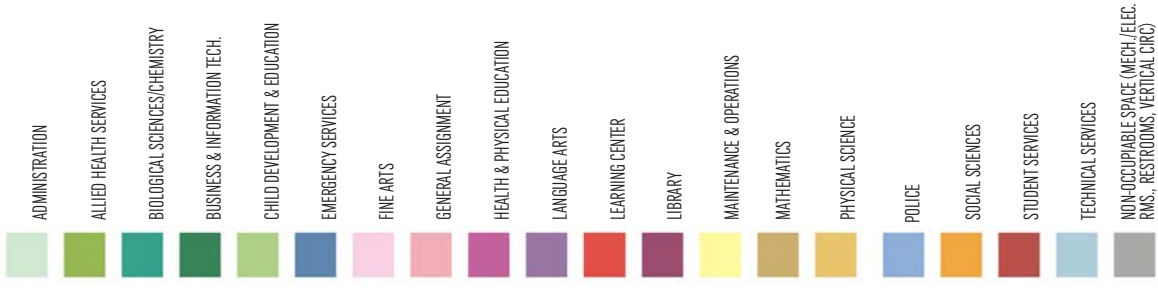
8 PERFORMING ARTS CENTER  
GROUND LEVEL

DEPARTMENTS & INSTRUCTIONAL DIVISIONS



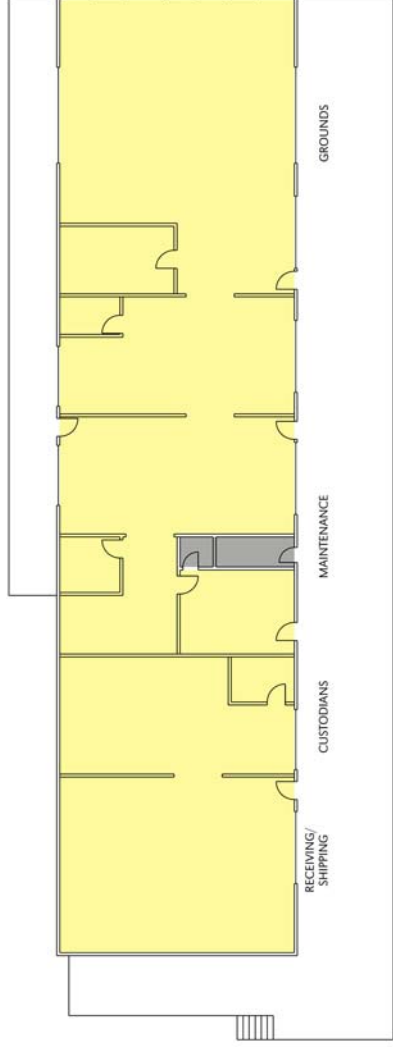
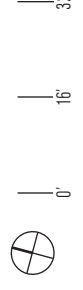
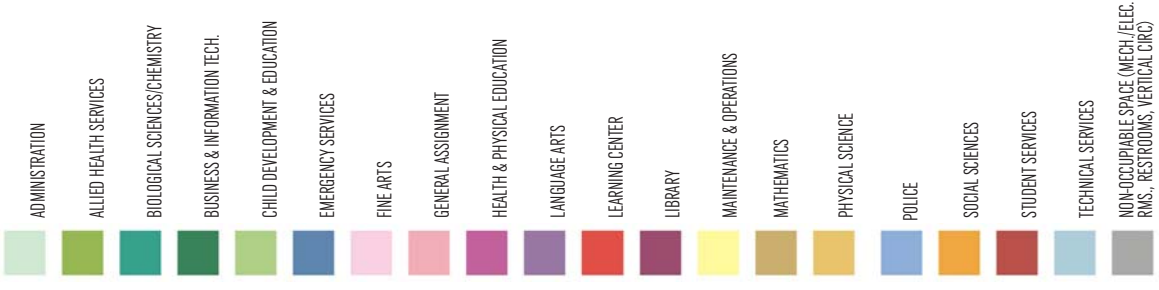
8 PERFORMING ARTS CENTER  
INTERMEDIATE LEVEL

DEPARTMENTS & INSTRUCTIONAL DIVISIONS



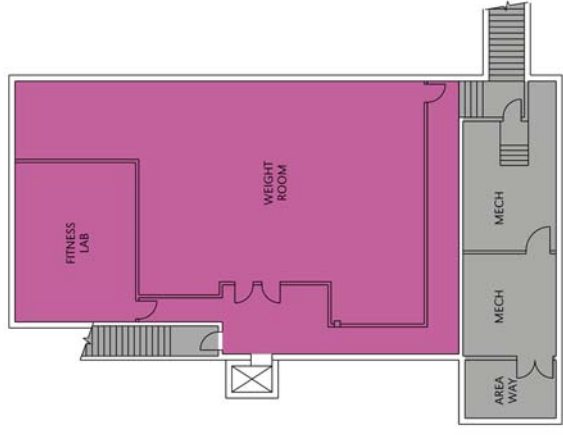
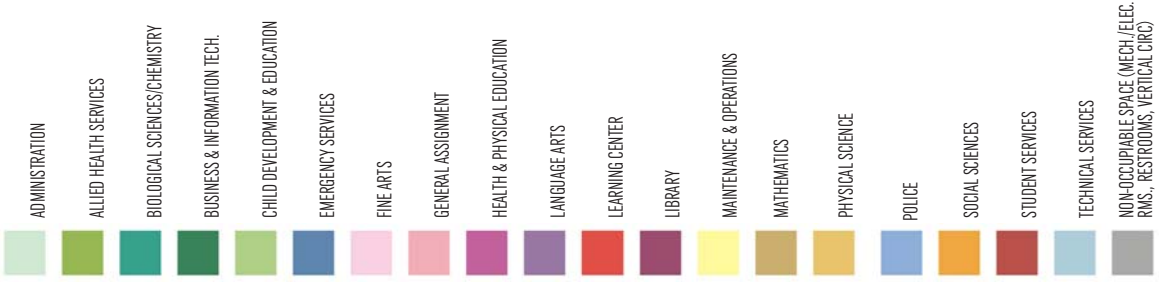
8 PERFORMING ARTS CENTER  
PLAZA LEVEL

DEPARTMENTS & INSTRUCTIONAL DIVISIONS



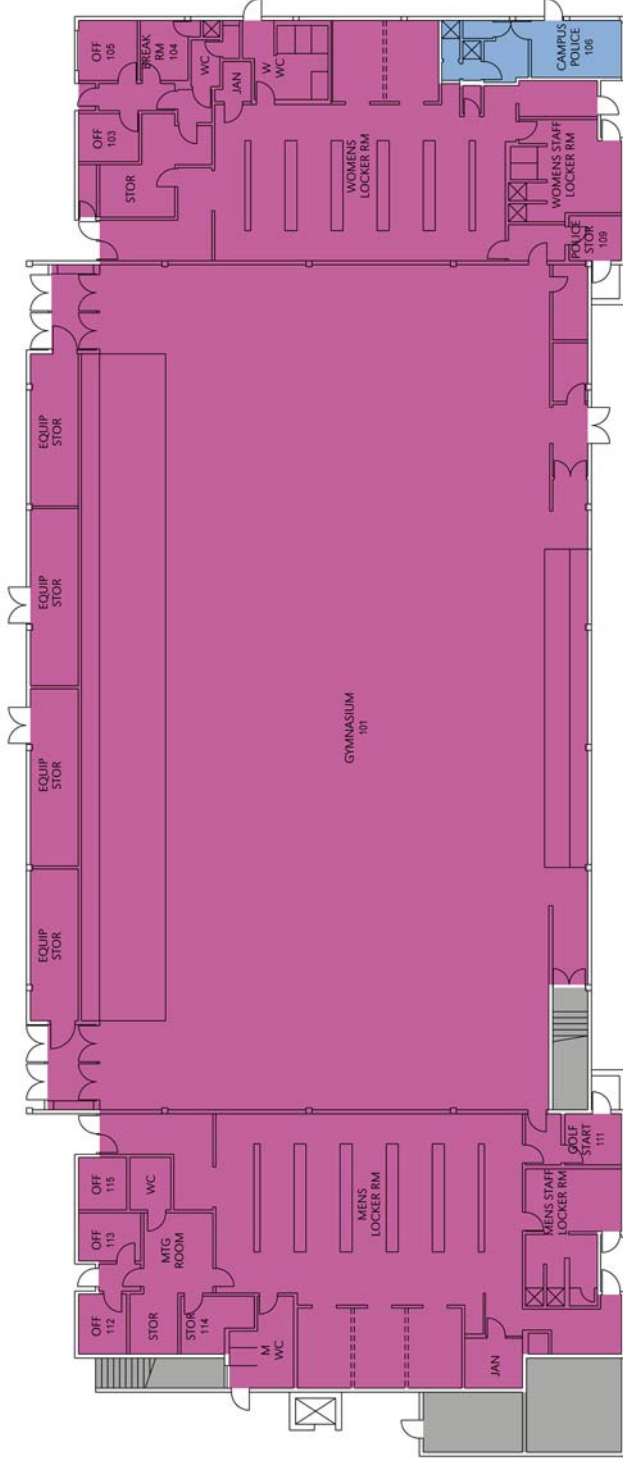
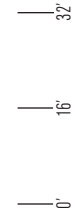
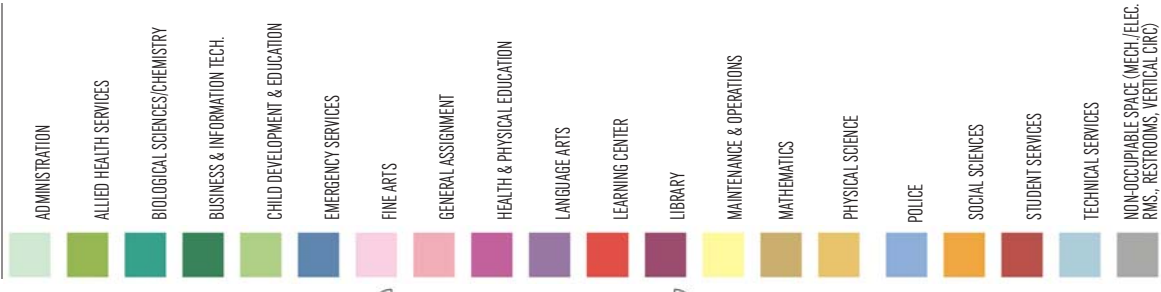
9 MAINTENANCE & OPERATIONS

DEPARTMENTS & INSTRUCTIONAL DIVISIONS



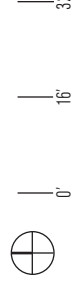
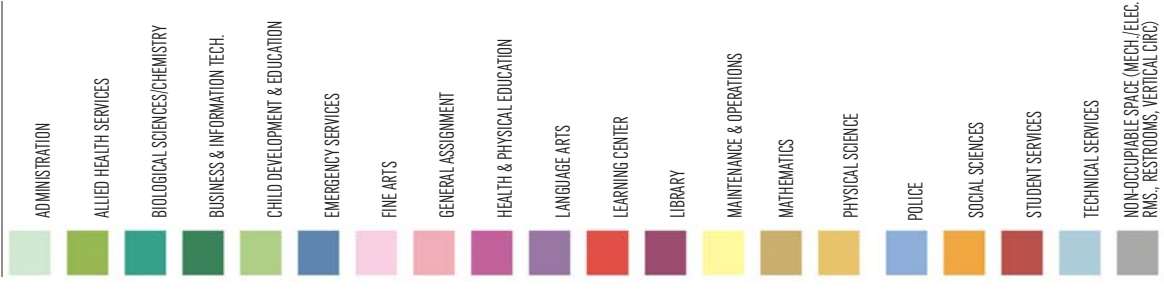
10 GYMNASIUM  
BASEMENT LEVEL

DEPARTMENTS & INSTRUCTIONAL DIVISIONS

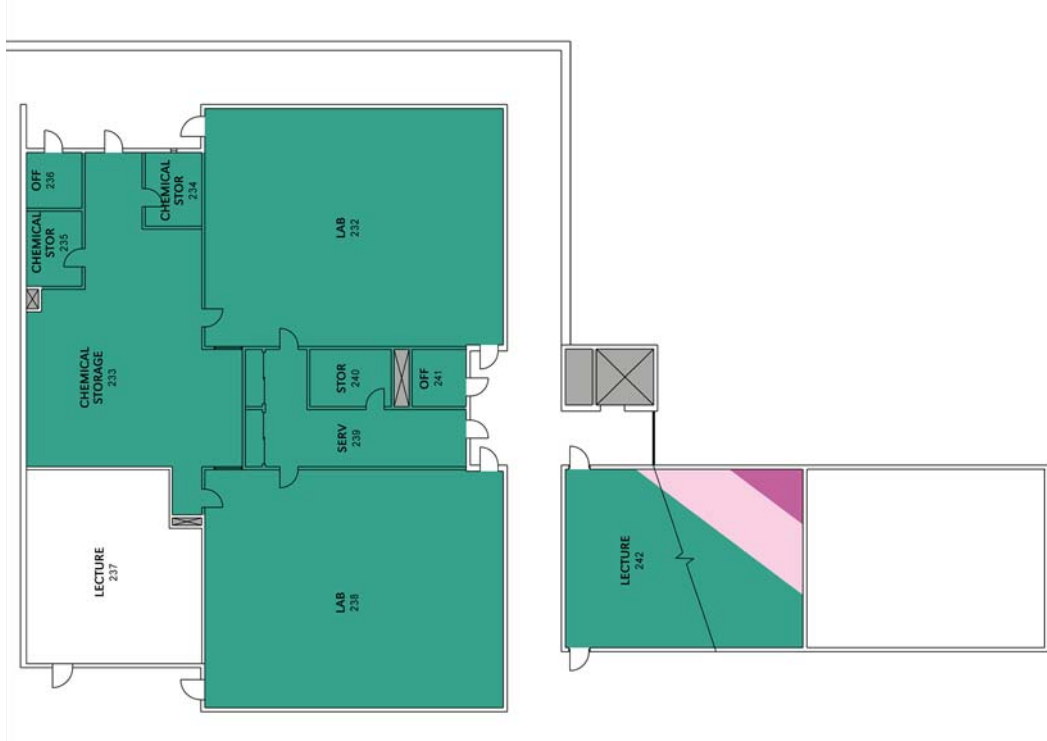


10 GYMNASIUM  
FIRST LEVEL

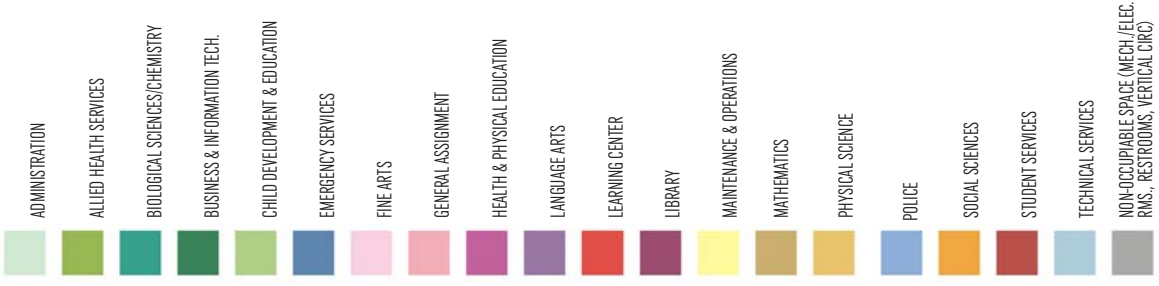
DEPARTMENTS & INSTRUCTIONAL DIVISIONS



12 CHEMISTRY/ HEALTH SCIENCES  
FIRST LEVEL

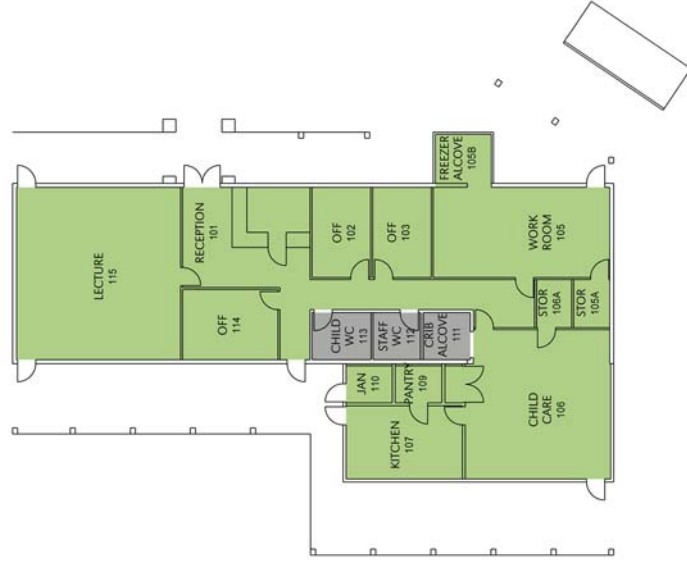
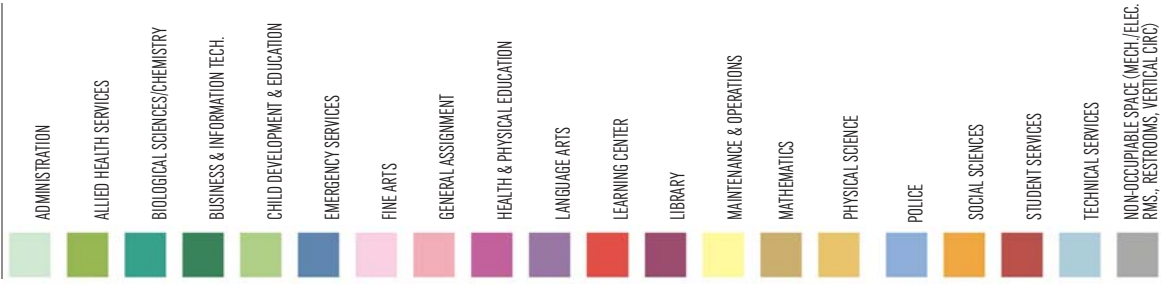


DEPARTMENTS & INSTRUCTIONAL DIVISIONS



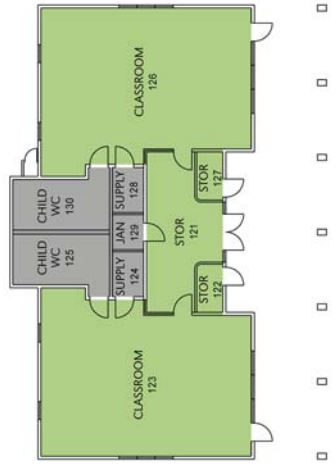
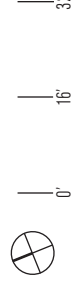
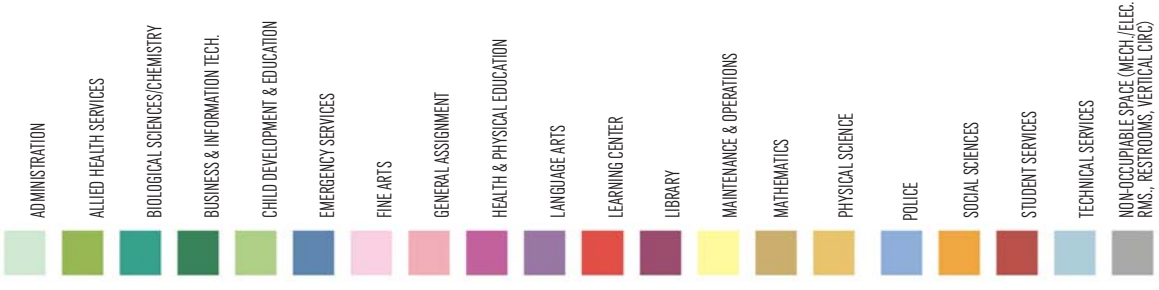
12 CHEMISTRY/ HEALTH SCIENCES  
SECOND LEVEL

DEPARTMENTS & INSTRUCTIONAL DIVISIONS



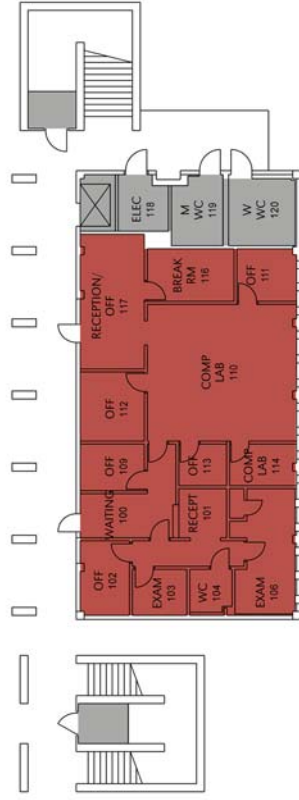
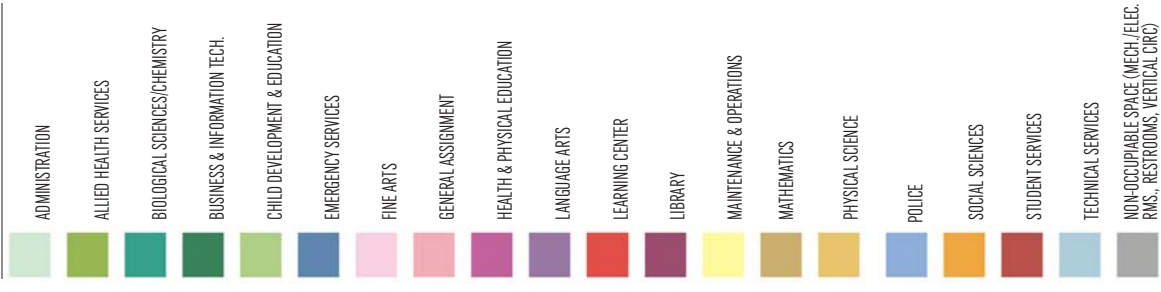
13 CHILD DEVELOPMENT CENTER #1

DEPARTMENTS & INSTRUCTIONAL DIVISIONS



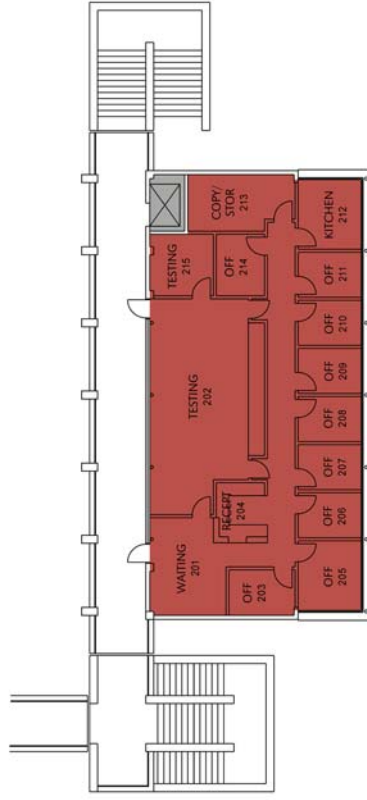
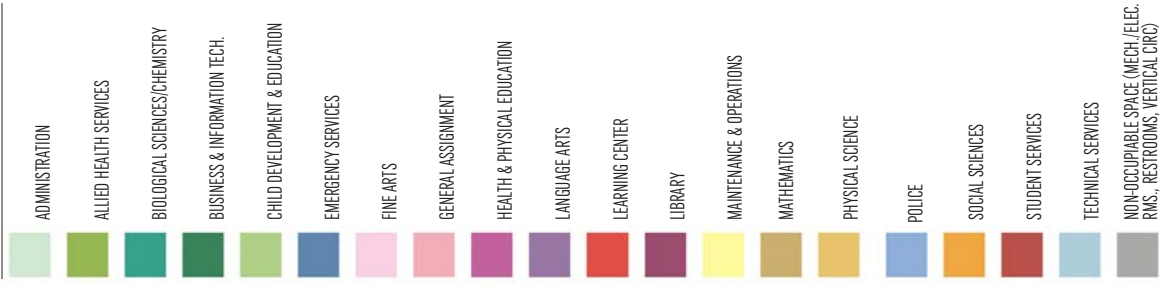
14 CHILD DEVELOPMENT CENTER

DEPARTMENTS & INSTRUCTIONAL DIVISIONS



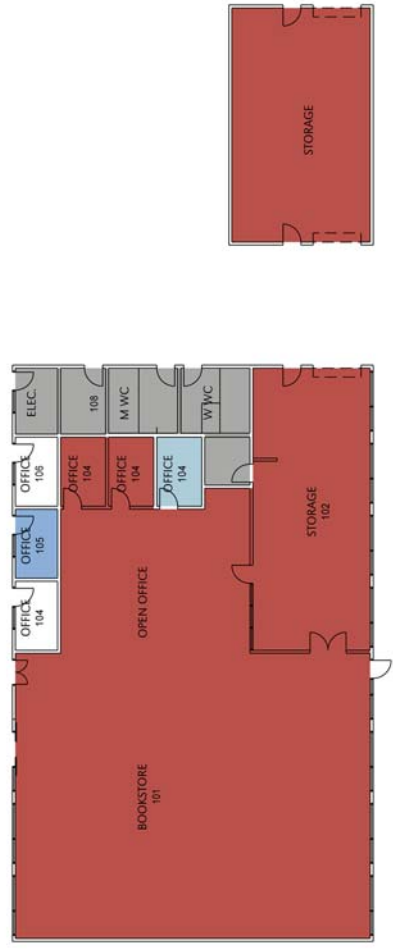
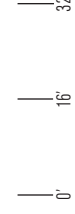
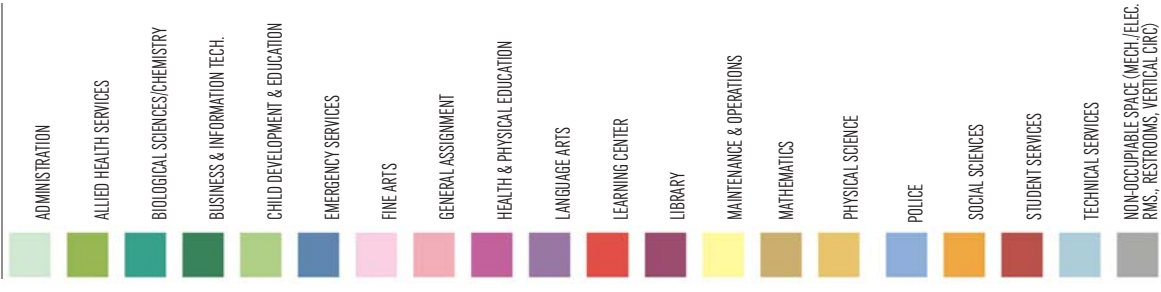
16 STUDENT SERVICES B  
FIRST LEVEL

DEPARTMENTS & INSTRUCTIONAL DIVISIONS



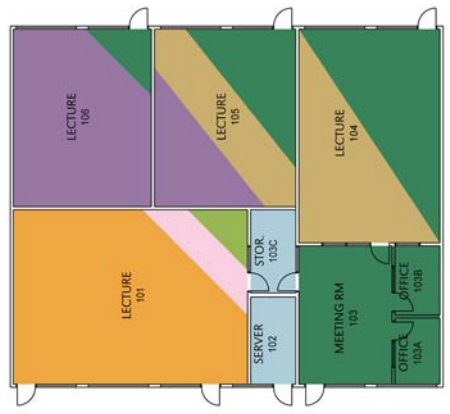
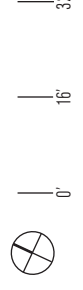
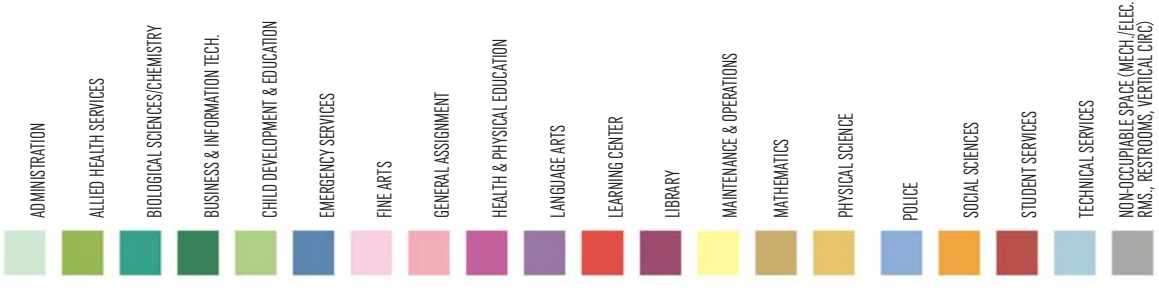
16 STUDENT SERVICES B  
SECOND LEVEL

DEPARTMENTS & INSTRUCTIONAL DIVISIONS



17 BOOKSTORE

DEPARTMENTS & INSTRUCTIONAL DIVISIONS



18 CLASSROOMS AT BOOKSTORE

# SPACE USE BY ROOM TYPE SUMMARY

Rm. Type	*Report 17 ASF	Revised ASF
<b>Crafton Hills College</b>		
000 Inactive Area	3,404	1,402
100-115 Lecture	23,920	20,693
210-255 Lab / Lab Service	35,343	36,898
300-350 Office / Service	22,837	25,876
400-450 Library	20,611	16,935
520-525 Athletics / Physical Ed.	20,891	19,012
530-535 Instruc. Media (AV/TV)	722	465
540-555 Demonstration / Service	4,103	4,453
610-625 Assembly	9,995	10,594
630-635 Food Service	5,756	5,774
650-655 Lounge/Lounge Service	1,311	2,096
660-665 Merchandise/Bookstore	4,136	4,293
670-690 Meeting Rooms	1,600	1,879
710-715 Data Processing/Comp.	1,069	695
720-740 Physical Plant	10,684	10,433
800-870 Health Services	363	272
<b>CAMPUS TOTAL</b>	<b>166,745</b>	<b>161,770</b>

\*Existing per Report 17 (March 2005)

# SPACE USE BY DEPARTMENT SUMMARY

Dept	Rm. Type	Existing ASF	2025 Target ASF	Delta ASF	
<b>Administration</b>		<b>6,592</b>	<b>10,000</b>	3,408	
	300-350 Office/Conference	4,244			
	650-655 Lounge / Lounge Service	830			
	670-690 Meeting Rooms	1,495			
	710-715 Data Processing/Comp	23			
<b>Allied Health Services</b>		<b>3,317</b>	<b>3,412</b>	95	
	100-115 Lecture	856			Included in Emergency Services
	210-255 Laboratory	1,855			Included in Emergency Services
	300-350 Office/Conference	606			
<b>Biological Sciences &amp; Chemistry</b>		<b>11,567</b>	<b>13,968</b>	2,401	
	100-115 Lecture	0	1,901	1,901	
	210-255 Laboratory	10,947	11,447	500	
	300-350 Office/Conference	620			
<b>Business and Information Tech.</b>		<b>4,945</b>	<b>13,024</b>	8,079	
	100-155 Lecture	356	2,920	2,564	
	210-255 Laboratory	3,968	9,483	5,515	
	300-350 Office/Conference	621			
<b>Child Development &amp; Education</b>		<b>6,012</b>	<b>12,549</b>	6,537	
	100-115 Lecture	782	632	-150	
	210-255 Laboratory	0	2,292	2,292	
	300-350 Office/Conference	831			
	400-450 Cluster Library	0	1,014	1,014	For CDC Cluster
	530-535 Cluster Instruc. Media	0	1,080	1,080	For CDC Cluster
	540-555 Clinic/Demonstration	4,116	6,000	1,884	
	630-635 Food Service	283			
	710-715 Cluster Support	0	417	417	For CDC Cluster
<b>Emergency Services</b>		<b>12,817</b>	<b>24,661</b>	11,844	
	100-115 Lecture	2,590	2,506	-84	
	210-255 Laboratory	3,127	12,544	9,417	
	300-350 Office/Conference	2,064			
	400-450 Cluster Library	0	1,014	1,014	For EMS Cluster
	530-535 Cluster Instruc. Media	0	1,080	1,080	For EMS Cluster
	650-655 Lounge / Lounge Service	452			
	670-690 Meeting Rooms	384			
	710-715 Cluster Support	0	417	417	For EMS Cluster
	720-740 Physical Plant	4,200			

Dept	Rm. Type	Existing ASF
<b>Fine Arts</b>		<b>18,090</b>
	100-115 Lecture	0
	210-255 Laboratory	6,769
	300-355 Office/Conference	681
	400-450 Cluster Library	0
	530-535 Cluster Instruc. Media	0
	610-625 Assembly/Exhibition	10,594
	710-715 Cluster Support	0
	720-740 Physical Plant	46
<b>General Assignment</b>		<b>14,216</b>
	100-115 Lecture	11,848
	210-255 Laboratory	2,041
	300-350 Office/Conference	327
	400-450 Cluster Library	0
	530-535 Cluster Instruc. Media	0
	710-715 Cluster Support	0
<b>Health &amp; Physical Education</b>		<b>20,362</b>
	100-115 Lecture	532
	300-350 Office/Conference	818
	400-450 Cluster Library	0
	520-525 Athletics / Physical Ed.	19,012
	530-535 Cluster Instruc. Media	0
	710-715 Cluster Support	0
<b>Language Arts</b>		<b>4,006</b>
	100-115 Lecture	710
	100-115 Writing Center	0
	210-255 Laboratory	0
	210-255 Reading Center	0
	300-350 Office/Conference	3,296
<b>Learning Center</b>		<b>8,924</b>
	100-115 Lecture	736
	210-255 Laboratory	3,783
	300-350 Office/Conference	740
	400-450 Library	3,343
	650-655 Lounge / Lounge Service	322
<b>Library</b>		<b>13,821</b>
	210-255 Laboratory	0
	300-350 Office/Conference	816
	400-450 Library	12,832
	530-535 Instruc. Media (AV/TV)	0
	610-625 Assembly/Exhibition	0
	650-655 Lounge / Lounge Service	173
	670-690 Meeting Rooms	0
	710-715 Data Processing/Comp.	0

2025 Target ASF	Delta ASF	
<b>23,567</b>	5,477	
1,064	1,064	
8,671	1,902	
1,014	1,014	For Fine Arts Cluster
1,080	1,080	For Fine Arts Cluster
417	417	For Fine Arts Cluster
<b>30,101</b>	15,885	
10,376	-1,472	
16,887	14,846	
1,014	1,014	For Humanities Cluster
1,080	1,080	For Humanities Cluster
417	417	For Humanities Cluster
<b>37,511</b>	17,149	35,000 per State Standards
190		
1,014	1,014	For Health & PE Cluster
1,080	1,080	For Health & PE Cluster
417	417	For Health & PE Cluster
<b>5,673</b>	1,667	
1,156	446	
736	736	
1,221	1,221	
357	357	
<b>6,565</b>	-2,359	Included in new LRC
0	-736	Less Writing Center
2,160	-1,623	Less Reading and Math Center (1,460); 2,160 per LRC FP
740	0	
3,343	0	
322	0	
<b>33,435</b>	19,614	40,000 per LRC FPP, Includes Learning Ctr
0	0	Included in Learning Center
820	4	
14,657	1,825	
4,460	4,460	
4,992	4,992	
295	122	
5,711	5,711	
2,500	2,500	

Dept	Rm. Type	Existing ASF
<b>Maintenance &amp; Operations</b>		<b>5,868</b>
	300-350 Office/Conference	578
	720-740 Physical Plant	5,290
<b>Math</b>		<b>3,114</b>
	100-115 Lecture	2,639
	210-255 Laboratory	0
	210-255 Math Center	0
	300-350 Office/Conference	475
	400-450 Cluster Library	0
	530-535 Cluster Instruc. Media	0
	710-715 Cluster Support	0
<b>Physical Science</b>		<b>4,786</b>
	100-115 Lecture	0
	210-255 Laboratory	4,408
	300-350 Office/Conference	378
<b>Police</b>		<b>1,099</b>
	300-350 Office/Conference	1,099
<b>Social Sciences</b>		<b>632</b>
	100-115 Lecture	0
	210-255 Laboratory	0
	300-350 Office/Conference	632
<b>Student Center</b>		<b>11,521</b>
	300-350 Office/Conference	840
	630-635 Food Service	5,491
	660-665 Merchandise/Bookstore	4,293
	720-740 Physical Plant	897
<b>Student Services</b>		<b>7,811</b>
	300-350 Office/Conference	6,123
	400-450 Library	760
	540-555 Clinic/Demonstration	337
	650-655 Lounge/Lounge Service	319
	800-870 Health Service	272
<b>Technical Services</b>		<b>1,905</b>
	300-350 Office/Conference	768
	530-535 Instruc. Media (AV/TV)	465
	710-715 Data Processing/Comp.	672
<b>Inactive Area</b>		<b>1,402</b>
	000 Inactive Area	1,402
<b>CAMPUS TOTAL</b>		<b>162,807</b>

2025 Target ASF	Delta ASF
<b>10,000</b>	4,132
<b>11,083</b>	7,969
5,171	2,532
1,823	1,823
1,103	1,103
1,014	1,014
1,080	1,080
417	417
<b>13,001</b>	8,215
1,379	1,379
11,244	6,836
<b>1,099</b>	0
<b>7,778</b>	7,146
6,123	6,123
1,023	1,023
<b>22,158</b>	10,637
6,883	1,392
9,378	5,085
<b>16,290</b>	8,479
1,200	928
<b>1,233</b>	-672
768	0
465	0
<b>0</b>	-1,402
0	-1,402
<b>297,108</b>	

For Science/Math/BIT Cluster  
For Science/Math/BIT Cluster  
For Science/Math/BIT Cluster

Includes 5,000 ASF for ASB

Bookstore Storage

2,500 ASF in new LRC, 2,500 ASF distributed in Academic Clusters

# SPACE USE BY DEPARTMENT

Bldg No.	Rm No.	Rm. Type	Room Name	Sub. ASF	Total ASF	Notes
<b>Administration</b>				<b>6,592</b>		
<b>01</b>	<b>Lab / Admin</b>					
			<b>Office</b>		3,095	
01	151	310	Office	186		CBO
01	165	310	Office	264		Asst. VP Admin Services
01	166	310	Office	158		VP Admin Services
01	167	310	Office	97		Facilities
01	222	310	Office	187		VP Admin Services
01	300	310	Office	1,059		
01	300B	310	Office	135		
01	300C	310	Office	135		
01	300D	310	Office	135		
01	300E	310	Office	135		
01	300F	310	Office	131		
01	301	310	Office	203		President
01	301B	310	Office	120		
01	303	310	Office	150		VP Instruction
			<b>Conference</b>		347	
01	161	350	Conference Room	201		
01	302	350	Conference Room	146		
			<b>Support</b>		802	
01	150	315	Lobby	157		
01	152	315	Office Service	62		Counting / Safe
01	160	315	Break Room	133		
01	162	315	Storage	65		
01	300A	315	Office Service	174		
01	300H	315	Office Service	23		
01	300I	315	Office Service	43		
01	301A	315	Office Service	36		
01	301C	315	Office Service	52		
01	305	315	Storage	57		
			<b>Support</b>		23	
01	300G	715	DP/Computer Service	23		
<b>03</b>	<b>Student Center</b>					
			<b>Other</b>		1,495	
03	201	680	Meeting Room	1,495		
			<b>Other</b>		830	
03	202	650	Lounge	780		
03	202A	655	Lounge Service/Stor	50		
<b>Allied Health Services</b>				<b>3,317</b>		
<b>12</b>	<b>Chemistry / Health Science</b>					
			<b>Lecture</b>		856	
12	127	110	Lecture	856		
			<b>Lab / Lab Service</b>		1,855	
12	123	210	Class Lab	1,487		
12	123A	215	Class Lab Service	105		
12	126	215	Class Lab Service	263		
			<b>Office</b>		606	
12	124	310	Office	125		
12	125	310	Office	125		
12	128	315	Office	88		
12	129	310	Office	92		
12	130	310	Office	86		
12	131	310	Office	90		

Bldg No.	Rm No.	Rm. Type	Room Name	Sub. ASF	Total ASF	Notes
<b>Biological Sciences &amp; Chemistry</b>				<b>11,567</b>		
<b>01</b>	<b>Lab / Admin</b>					
	<b>Lab / Lab Service</b>				5,041	
01	211	210	Class Lab	1,111		
01	225	210	Class Lab	1,169		
01	201	210	Class Lab	1,121		
01	203	215	Class Lab Service	176		
01	204	215	Class Lab Service	430		
01	205	215	Class Lab Service	67		
01	207	215	Class Lab Service	150		Storage/Lounge
01	208	215	Class Lab Service	88		
01	209	215	Class Lab Service	159		
01	212	215	Class Lab Service	32		
01	213	215	Class Lab Service	75		
01	227	215	Class Lab Service	180		
01	228	210	Class Lab Service	16		
01	229	215	Class Lab Service	86		
01	231	210	Class Lab Service	181		Storage
	<b>Office</b>				350	
01	202	310	Office	89		Chair
01	210	310	Office	89		
01	226	310	Office	86		
01	230	310	Office	86		
	<b>Support</b>				98	
01	206	315	Office Service	98		
<b>12</b>	<b>Chemistry / Health Sciences</b>					
	<b>Lab / Lab Service</b>				5,906	
12	232	210	Class Lab	1,879		
12	238	210	Class Lab	1,879		
12	233	215	Class Lab Service	1,337		
12	234	210	Class Lab Service	115		
12	235	215	Class Lab Service	116		
12	239	215	Class Lab Service	452		
12	240	215	Class Lab Service	128		Storage
	<b>Office</b>				172	
12	236	310	Office	86		
12	241	310	Office	86		
<b>Business and Information Tech.</b>				<b>4,945</b>		
<b>01</b>	<b>Lab / Admin</b>					
	<b>Lab / Lab Service</b>				3,968	
01	101	220	Spec Class Lab	1,203		
01	216	210	Class Lab	1,137		
01	217	210	Class Lab	753		
01	220	210	Class Lab	875		CISCO
	<b>Office</b>				358	
01	103	310	Office	91		Chair
01	215	310	Office	87		
01	218	310	Office	87		
01	219	310	Office	93		CISCO
	<b>Support</b>				73	
01	104A	315	Office Service	73		
<b>18</b>	<b>BC</b>					
	<b>Lecture</b>				356	
18	103	115	Lecture Service	356		
	<b>Office</b>				190	
18	103B	310	Office	86		
18	103C	310	Office	104		

Bldg No.	Rm No.	Rm. Type	Room Name	Sub. ASF	Total ASF	Notes
<b>Child Development &amp; Education</b>					<b>6,012</b>	
<b>13</b>	<b>Child Devel 1</b>					
			<b>Lecture</b>		782	
13	115	110	Lecture	782		
			<b>Office</b>		831	
13	101	310	Office	354		Reception
13	102	310	Office	146		
13	103	310	Office	146		
13	114	310	Office	185		
			<b>Demonstration / Service</b>		1,324	
13	105	550	Demonstration	440		
13	106	550	Demonstration	653		
13	105A	555	Demonstration Service	47		Storage
13	105B	555	Demonstration Service	76		Freezer Alcove
13	106A	555	Demonstration Service	47		Storage
13	108	555	Demonstration Service	61		Crib Alcove
			<b>Food Facilities / Service</b>		283	
13	107	630	Food Facilities	235		
13	109	635	Food Facilities Service	48		
<b>14</b>	<b>Child Devel 2</b>					
			<b>Demonstration / Service</b>		1,906	
14	123	550	Demonstration	879		
14	126	550	Demonstration	879		
14	122	555	Demonstration Service	35		Storage
14	124	555	Demonstration Service	39		Supply
14	127	555	Demonstration Service	35		Storage
14	128	555	Demonstration Service	39		Supply
<b>15</b>	<b>Child Devel 3</b>					
			<b>Demonstration / Service</b>		886	
15	101	550	Demonstration	886		
<b>Emergency Services</b>					<b>12,817</b>	
<b>06</b>	<b>OE 1</b>					
			<b>Lecture</b>		1,813	
06	120	110	Lecture	814		
06	122	115	Lecture Service	110		
06	124	115	Lecture Service	110		
06	127	110	Lecture	779		
			<b>Lab / Lab Service</b>		1,303	
06	115	210	Class Lab	582		
06	107	215	Class Lab Service	62		
06	108	215	Class Lab Service	43		
06	109	215	Class Lab Service	97		
06	110	215	Class Lab Service	267		
06	111	215	Class Lab Service	42		
06	112	215	Class Lab Service	65		
06	114	215	Class Lab Service	43		
06	117	215	Class Lab Service	102		
			<b>Office</b>		469	
06	116	310	Office	74		
06	119	310	Office	117		
06	119A	310	Office	114		
06	123	310	Office	82		
06	125	310	Office	82		
			<b>Support</b>		222	
06	118	315	Office Service	123		
06	121	315	Office Service	99		

Bldg No.	Rm No.	Rm. Type	Room Name	Sub. ASF	Total ASF	Notes
<b>Other</b>					384	
06	128	680	Meeting Room	384		
<b>07 OE 2</b>						
<b>Lecture</b>					777	
07	214C	110	Lecture	777		
<b>Lab / Lab Service</b>					1,824	
07	205	210	Lab	1,517		
07	213	215	Class Lab Service	307		
<b>Office</b>					582	
07	201	310	Office	82		
07	202	310	Office	84		
07	211	310	Office	85		
07	212	310	Office	189		
07	217	310	Office	81		
07	220	310	Office	61		
<b>Support</b>					88	
07	218	315	Office Service	88		
<b>Conference</b>					703	
07	200A	350	Conference Room	703		
<b>General Use</b>					452	
07	200B	650	Lounge	452		
<b>Storage</b>					4,200	
07	200	740	Vehicle Storage	3,228		
07	200C	730	Storage	447		
07	200D	730	Storage	360		
07	206	730	Storage	35		
07	207	730	Storage	35		
07	208	730	Storage	53		
07	209	730	Storage	42		
<b>Fine Arts</b>					<b>18,090</b>	
<b>06 OE 1</b>						
<b>Lab / Lab Service</b>					3,024	
06	101	210	Class Lab	1,110		
06	103	215	Class Lab Service	133		
06	130	210	Class Lab	1,056		
06	104	215	Class Lab Service	95		
06	105	215	Class Lab Service	79		
06	131	215	Class Lab Service	85		
06	133	215	Class Lab Service	139		
06	132	215	Class Lab Service	95		
06	133A	215	Class Lab Service	88		
06	134	215	Class Lab Service	144		
<b>Office</b>					85	
06	102	310	Office	85		
<b>Storage</b>					46	
06	106	730	Storage	46		
<b>08 Performing Arts Center</b>						
<b>Lab / Lab Service</b>					3,745	
08	219	210	Class Lab	576		Black Box Theater
08	225	210	Class Lab	564		Music Room
08	315	210	Class Lab	1,547		
08	304	230	Individual Study Lab	107		
08	305	230	Individual Study Lab	82		
08	306	230	Individual Study Lab	82		
08	307	230	Individual Study Lab	107		
08	313	215	Class Lab Service	502		
08	314	215	Class Lab Service	178		

Bldg No.	Rm No.	Rm. Type	Room Name	Sub. ASF	Total ASF	Notes
<b>Office</b>					596	
08	111	310	Office	165		
08	310	310	Office	104		
08	312	310	Office	104		
08	311	315	Office Service	223		
<b>Assembly</b>					10,594	
08	101	610	Assembly	4,870		
08	102	615	Assembly Service	1,593		
08	104	615	Assembly Service	110		
08	106	615	Assembly Service	110		
08	108	615	Assembly Service	1,667		
08	108A	615	Assembly Service	110		
08	109	615	Assembly Service	651		
08	112	615	Assembly Service	474		
08	113	615	Assembly Service	313		
08	114	615	Assembly Service	312		
08	201	615	Assembly Service	299		
08	202	615	Assembly Service	85		
<b>General Assignment</b>					<b>14,216</b>	
<b>01</b>	<b>Lab / Admin</b>					
<b>Lecture</b>					3,277	
01	121	110	Lecture	1,167		
01	224	110	Lecture	1,177		
01	304	110	Lecture	933		
<b>02</b>	<b>Library</b>					
<b>Lecture</b>					373	
02	347	110	Lecture	373		
<b>04</b>	<b>Student Services</b>					
<b>Office</b>					167	
04	312	310	Office	88		
04	317	310	Office	79		
<b>05</b>	<b>Classroom Building</b>					
<b>Lecture</b>					1,741	
05	106	110	Lecture	605		
05	106A	110	Lecture Service	33		
05	106B	110	Lecture Service	33		
05	107	110	Lecture	374		
05	218	110	Lecture	630		
05	218A	110	Lecture Service	33		
05	218B	110	Lecture Service	33		
<b>07</b>	<b>OE 2</b>					
<b>Lecture</b>					1,456	
07	214A	110	Lecture	738		
07	219	110	Lecture	718		
<b>Lab</b>					481	
07	216	220	Spec Class Lab	481		
<b>8</b>	<b>Performing Arts Center</b>					
<b>Lab / Lab Service</b>					1,560	
08	316	210	Class Lab	1,560		
<b>12</b>	<b>Chemistry / Health Sciences</b>					
<b>Lecture</b>					2,343	
12	122	110	Lecture	1,172		
12	242	110	Lecture	1,171		

Bldg No.	Rm No.	Rm. Type	Room Name	Sub. ASF	Total ASF	Notes
<b>17</b>	<b>BK</b>					
			<b>Office</b>		160	
17	<b>104</b>	310	Office	80		
17	<b>105</b>	310	Office	80		
<b>18</b>	<b>BC</b>					
			<b>Lecture</b>		2,658	
18	<b>101</b>	110	Lecture	1,131		Social Sciences
18	<b>104</b>	110	Lecture	834		
18	<b>105</b>	110	Lecture	693		
<b>Health &amp; Physical Education</b>				<b>20,362</b>		
<b>10</b>	<b>Gymnasium</b>					
			<b>Lecture</b>		532	
10	<b>2</b>	110	Lecture	532		Fitness Lab
			<b>Office</b>		492	
10	<b>103</b>	310	Office	80		
10	<b>105</b>	310	Office	97		
10	<b>111</b>	310	Office	80		Golf Starter
10	<b>112</b>	310	Office	82		
10	<b>113</b>	310	Office	83		
10	<b>115</b>	310	Office	70		
			<b>Support</b>		326	
10	<b>103A</b>	315	Office Service	196		
10	<b>104</b>	315	Office Service	80		
10	<b>111A</b>	315	Office Service	50		Golf Starter
			<b>Education</b>		19,012	
10	<b>1</b>	520	Athletics/Phys. Ed	1,988		Weight Room
10	<b>101</b>	520	Ahltetics/Phys. Ed	9,304		Gym
10	<b>101A</b>	523	Athletics Spectator Seat	1,924		Seating
10	<b>102</b>	525	Athletics/Phys. Ed Service	26		
10	<b>108</b>	525	Athletics/Phys. Ed Service	73		
10	<b>109</b>	525	Athletics/Phys. Ed Service	57		
10	<b>110</b>	525	Athletics/Phys. Ed Service	153		
10	<b>110A</b>	525	Athletics/Phys. Ed Service	81		
10	<b>114</b>	525	Athletics/Phys. Ed Service	97		
10	<b>116</b>	525	Ahltetics/Phys. Ed Service	200		Equip. Storage
10	<b>117</b>	525	Athletics/Phys. Ed Service	234		Equip. Storage
10	<b>118</b>	525	Athletics/Phys. Ed Service	234		Equip. Storage
10	<b>119</b>	525	Ahltetics/Phys. Ed Service	201		Equip. Storage
10	<b>120</b>	525	Athletics/Phys. Ed Service	1,696		Women's Locker Room
10	<b>120A</b>	525	Ahltetics/Phys. Ed Service	280		Women's Locker Room
10	<b>121</b>	525	Athletics/Phys. Ed Service	2,158		Men's Locker Room
10	<b>121A</b>	525	Athletics/Phys. Ed Service	306		Men's Locker Room
<b>Language Arts</b>				<b>4,006</b>		
<b>04</b>	<b>Student Services</b>					
			<b>Office</b>		710	
04	<b>310</b>	310	Office	78		
04	<b>315</b>	310	Office	79		
04	<b>321</b>	310	Office	79		
04	<b>323</b>	310	Office	79		
04	<b>325</b>	310	Office	79		
04	<b>326</b>	310	Office	79		
04	<b>328</b>	310	Office	79		
04	<b>330</b>	310	Office	79		
04	<b>334</b>	310	Office	79		

Bldg No.	Rm No.	Rm. Type	Room Name	Sub. ASF	Total ASF	Notes
<b>05</b>	<b>Classroom Building</b>					
			<b>Lecture</b>		2,618	
05	<b>108</b>	110	Lecture	374		
05	<b>109</b>	110	Lecture	374		
05	<b>110</b>	110	Lecture	374		
05	<b>215</b>	110	Lecture	374		
05	<b>216</b>	110	Lecture	374		
05	<b>217</b>	110	Lecture	374		
05	<b>219</b>	110	Lecture	374		
<b>18</b>	<b>BC</b>					
			<b>Lecture</b>		678	
18	<b>106</b>	110	Lecture	678		
<b>Learning Center</b>					<b>8,924</b>	
<b>2</b>	<b>Library</b>					
			<b>Lecture</b>		736	Writing Center
02	<b>331</b>	110	Lecture	736		
			<b>Lab / Lab Service</b>		3,783	
02	<b>342</b>	220	Spec. Class Lab	1,103		Math Center
02	<b>343</b>	220	Spec. Class Lab	1,345		Computer Lab
02	<b>344</b>	220	Spec. Class Lab	238		Testing
02	<b>308</b>	220	Spec. Class Lab	357		Reading Center
02	<b>309</b>	250	Non-Class Lab	740		Open Computer Lab
			<b>Office</b>		740	
02	<b>305</b>	310	Office	74		
02	<b>306</b>	350	Office	74		
02	<b>307</b>	310	Office	74		
02	<b>314</b>	310	Office	74		
02	<b>315</b>	310	Office	74		
02	<b>316</b>	310	Office	74		
02	<b>326</b>	310	Office	74		Academic Senate
02	<b>339</b>	310	Office	74		
02	<b>340</b>	310	Office	74		Academic Senate
02	<b>341</b>	310	Office	74		
			<b>Lounge</b>		322	
02	<b>332</b>	650	Lounge	322		
			<b>Other</b>		3,343	
02	<b>310</b>	440	Processing Room	448		Teaching Aids
02	<b>310A</b>	445	Processing Room Serv.	285		Teaching Aids
02	<b>313</b>	410	Read/Study Room	2,372		Computer Lab
02	<b>346</b>	410	Read/Study Room	238		Computer Lab
<b>Library</b>					<b>13,821</b>	
<b>2</b>	<b>Library</b>					
			<b>Office</b>		816	
02	<b>106</b>	310	Office	140		
02	<b>107</b>	310	Office	186		
02	<b>212</b>	310	Office	128		
02	<b>213</b>	310	Office	94		
02	<b>214</b>	310	Office	94		
02	<b>215</b>	310	Office	174		
			<b>Other</b>		12,832	
02	<b>101</b>	430	Open Stack Reading Rm	5,685		
02	<b>206</b>	430	Open Stack Reading Rm	5,958		
02	<b>208</b>	440	Processing Room	679		
02	<b>208A</b>	440	Processing Room	255		
02	<b>211</b>	440	Processing Room	255		
			<b>Lounge</b>		173	
02	<b>205</b>	650	Lounge	173		Break Room

Bldg No.	Rm No.	Rm. Type	Room Name	Sub. ASF	Total ASF	Notes
<b>Maintenance &amp; Operations</b>				<b>5,868</b>		
<b>06</b>	<b>OE 1</b>				41	
			<b>Other</b>			
06	113	730	Storage	41		Facilities
<b>9</b>	<b>Maintenance</b>				578	
			<b>Office</b>			
09	103	310	Office	82		
09	104	310	Office	296		
09	111	310	Office	200		
			<b>Other</b>		5,249	
09	101	730	Storage	1,119		
09	102	730	Storage	661		
09	105	720	Shop	202		
09	106	725	Shop Service	81		
09	107	720	Shop	752		
09	108	720	Shop	681		
09	109	725	Shop Service	68		
09	110	720	Shop	1,273		
09	110A	725	Shop Service	103		
09	110B	725	Shop Service	103		
09	110C	725	Shop Service	103		
09	110D	725	Shop Service	103		
<b>Math</b>				<b>3,114</b>		
<b>02</b>	<b>Library</b>				1,080	
			<b>Lecture</b>			
02	348	110	Lecture	1,080		
<b>04</b>	<b>Student Services</b>				475	
			<b>Office</b>			
04	308	310	Office	76		
04	309	310	Office	83		
04	313	310	Office	79		
04	316	310	Office	79		
04	318	310	Office	79		
04	320	310	Office	79		
<b>05</b>	<b>Classroom Building</b>				671	
			<b>Lecture</b>			
05	111	110	Lecture	605		
05	111A	110	Lecture Service	33		
05	111B	110	Lecture Service	33		
<b>12</b>	<b>Chemistry / Health Sciences</b>				888	
			<b>Lecture</b>			
12	237	110	Lecture	888		
<b>Physical Science</b>				<b>4,786</b>		
<b>01</b>	<b>Lab / Admin</b>				4,408	
			<b>Lab / Lab Service</b>			
01	106	210	Class Lab	1,164		
01	115	210	Class Lab	1,220		
01	102	215	Class Lab Service	123		Darkroom
01	102A	215	Class Lab Service	123		Darkroom
01	108	215	Class Lab Service	157		
01	108A	215	Class Lab Service	77		
01	112	215	Class Lab Service	544		
01	113	215	Class Lab Service	76		
01	114	215	Class Lab Service	80		

Bldg No.	Rm No.	Rm. Type	Room Name	Sub. ASF	Total ASF	Notes
01	116	215	Class Lab Service	204		
01	117	215	Class Lab Service	376		
01	119	215	Class Lab Service	113		
01	120	215	Class Lab Service	151		
			<b>Office</b>		378	
01	105	310	Office	91		
01	107	310	Office	185		
01	118	310	Office	102		
<b>Police</b>					<b>1,099</b>	
<b>01</b>	<b>Lab / Admin</b>					
			<b>Office</b>		617	
01	153	310	Office	165		Communications
01	154	310	Office	77		
01	155	310	Office	75		Corporal
01	156	310	Office	116		Police Supervisor
01	221	310	Office	184		
<b>10</b>	<b>Gymnasium</b>					
			<b>Office</b>		402	
10	106	310	Office	143		Patrol
10	106A	315	Office Service	136		Patrol
10	107	315	Office Service	66		Patrol
10	107A	315	Office Service	57		Patrol
<b>17</b>	<b>BK</b>					
			<b>Office</b>		80	
17	106	310	Office	80		Police
<b>Social Sciences</b>					<b>632</b>	
<b>04</b>	<b>Student Services</b>					
			<b>Office</b>		632	
04	319	310	Office	79		
04	322	310	Office	79		
04	324	310	Office	79		
04	327	310	Office	79		
04	329	310	Office	79		
04	331	310	Office	79		
04	332	310	Office	79		
04	333	310	Office	79		
<b>Student Center</b>					<b>11,521</b>	
<b>03</b>	<b>Student Center</b>					
			<b>Office</b>		582	
03	106A	310	Office	73		Food Facilities
03	107	310	Office	383		ASB
03	107A	310	Office	126		ASB
			<b>Food Facilities/Service</b>		5,491	
03	101	630	Food Facilities	4,117		
03	102	635	Food Facilities Service	825		
03	103	635	Food Facilities Service	155		
03	103A	635	Food Facilities Service	31		
03	105	635	Food Facilities Service	154		
03	106	635	Food Facilities Service	160		
03	106B	635	Food Facilities Service	49		
<b>17</b>	<b>BK - Bookstore</b>					
			<b>Office</b>		258	
17	103A	310	Office	86		
17	103B	310	Office	86		
17	103C	310	Office	86		

Bldg No.	Rm No.	Rm. Type	Room Name	Sub. ASF	Total ASF	Notes
<b>Merchandise</b>					4,293	
17	101	660	Merchandise Facility	2,503		
17	102	665	Merchandise Fac. Service	913		
17	103	660	Merchandise Facility	877		
<b>35</b>	<b>Building 0</b>					
<b>Storage</b>					897	Bookstore Warehouse
35	1	730	Storage	897		
<b>Student Services</b>					<b>7,811</b>	
<b>04</b>	<b>Student Services</b>					
<b>Office</b>					1,971	
04	201	310	Office	89		A/R
04	213	310	Office	918		A/R
04	300	310	Office	260		Chair
04	301	310	Office	154		
04	302	310	Office	102		EOPS/CalWORKs
04	303	310	Office	102		EOPS/CalWORKs
04	304	310	Office	102		EOPS/CalWORKs
04	306	310	Office	156		
04	314	310	Office	88		
<b>Support</b>					828	
04	306A	315	Office Service	206		
04	212	315	Office Service	269		A/R
04	213A	315	Office Service	89		Vault
04	305	315	Office Service	183		EOPS/CalWORKs
04	307	315	Office Service	81		EOPS/CalWORKs
<b>05</b>	<b>Classroom Building</b>					
<b>Office</b>					618	Financial Aid
05	214	310	Office	312		
05	214B	310	Office	163		
05	214C	310	Office	143		
<b>Support</b>					66	Financial Aid
05	214A	315	Office Service	33		
05	214D	315	Office Service	33		
<b>07</b>	<b>OE 2</b>					
<b>Demonstration</b>					337	
07	215	550	Demonstration	337		Workforce Development
<b>16</b>	<b>SSB</b>					
<b>Office</b>					1,525	
16	102	310	Office	100		Health Services
16	109	310	Office	83		Health Services
16	112	310	Office	123		DSPS
16	117	310	Office	237		DSPS
16	203	310	Office	83		Counseling
16	204	310	Office	84		Counseling
16	205	310	Office	122		Counseling
16	206	310	Office	79		Counseling
16	207	310	Office	79		Counseling
16	208	310	Office	79		Counseling
16	209	310	Office	79		Counseling
16	210	310	Office	79		Counseling
16	211	310	Office	79		Counseling
16	214	310	Office	107		Counseling
16	215	310	Office	112		Counseling

Bldg No.	Rm No.	Rm. Type	Room Name	Sub. ASF	Total ASF	Notes
<b>Support</b>					502	
16	100	315	Office Service	153		Health Services
16	101	315	Office Service	65		Health Services
16	116	315	Office Service	126		DSPS
16	213	310	Office Service	158		Counseling
<b>Conference</b>					613	
16	202	350	Conference Room	613		Testing
<b>Health Service</b>					272	
16	103	850	Treatment	70		Health Services
16	106	850	Treatment	190		Health Services
16	106A	855	Treatment	12		Health Services
<b>Library</b>					760	
16	110	410	Read/Study Room	563		DSPS
16	111	410	Read/Study Room	86		DSPS
16	113	410	Read/Study Room	55		DSPS
16	114	410	Read/Study Room	56		DSPS
<b>Lounge</b>					319	
16	201	650	Lounge	197		Waiting
16	212	650	Lounge	122		Kitchen
<b>Technical Services</b>					<b>1,905</b>	
<b>01</b>	<b>Lab / Admin</b>					
<b>Office</b>					186	
01	222A	310	Office	93		
01	222B	310	Office	93		
<b>Support</b>					428	
01	222C	715	DP/Computer Service	93		
01	222D	715	DP/Computer Service	335		
<b>02</b>	<b>Library</b>					
<b>Office</b>					500	
02	317	310	Office	353		
02	327	310	Office	74		
02	328	310	Office	73		
<b>Data Processing</b>					244	
02	3	715	DP/Computer Service	244		
<b>Support</b>					357	
02	329	530	Audio/Visual, Radio, TV	357		
<b>18</b>	<b>BC</b>					
<b>Office</b>					82	
18	103A	310	Office	82		
<b>Support</b>					108	
18	102	535	Audio/Visual, Radio, TV	108		
<b>Inactive Area</b>					<b>1,402</b>	
<b>07</b>	<b>OE 2</b>					
<b>Inactive</b>					1,402	
07	300	050	Inactive Area	478		Lecture
07	301	050	Inactive Area	597		
07	301B	050	Inactive Area	72		
07	302	050	Inactive Area	255		Storage



# 3 | PROJECTED SPACE NEEDS

# SUMMARY

By the year 2025, Crafton Hills College will more than double in size with a 125% increase in enrollment. Per the State standards, in order to support the projected 11,470 students, the physical campus will need to construct 122,226 ASF – a 73% increase bringing the campus to a total of 288,930 ASF. By 2012, the campus will need to construct approximately 28,884 ASF to accommodate the increase in enrollment from 5,400 students to 7,150. Overall, the types of space that need to expand the most are laboratories, library, physical education (indoor), instructional media spaces, and data processing and computers. The programs that will experience the most growth are the Physical Sciences, Mathematics, Computer & Information Sciences, Interdisciplinary Studies, and Health Science.

Based on the existing and projected ASF required for 7,150 students, the current facilities are overbuilt (i.e., there is too much space assigned to a particular room use than the college can justify) for the following categories: lecture, office/conference, assembly/exhibition, food service, and physical plant. Even with increased enrollment, newly constructed space in these areas is not required. Instead, a more efficient rearrangement and/or reassignment of the existing spaces are recommended. New construction on campus for 2012 will primarily contain laboratory, instructional media (AV/TV), and the data processing spaces.

Lecture, lab, and offices are the most critical room use categories to track on campus because they affect the eligibility for State funding on future projects. However, based on campus need and program growth projections for 2012, each room use category is addressed individually:

1. Inactive Area – The inactive areas in the first floor of the Lab/Administration Building, totaling 2,423 ASF, will be converted to offices for the Vice President of Administrative Services and the Police Department. The newly renovated space will add 1,821 ASF of office and office service space to the campus. The inactive areas in OE 2 on the second floor, totaling 981 ASF, will be removed when the building is demolished and replaced with a new Emergency Services building.
2. Lecture – Per the State standards of utilizing a lecture room 53 hours per week, Crafton Hills College does not require additional classrooms. The projected campus ASF indicates that 3,163 ASF of lecture should be removed. Due to the fact that the campus has noted a need for medium-sized classrooms and that many of the classrooms cannot be reconfigured or adequately upgraded to “smart” classrooms due to construction constraints, the following strategy will be employed for 2012: 1) Inadequate lecture spaces will be converted to other uses where possible, and 2) New classrooms will be built that meet new technology standards. This strategy will ensure that there is no lecture growth by 2012, and future plans for build-out by 2025 will meet the State guidelines. It is important to note that all lecture ASF projections are based on utilizing lecture rooms on average of 53 hours per week.
3. Laboratory – Per the State Standards of utilizing labs 27.5 hours per week, CHC will require 11,721 ASF of new lab space. The majority of this lab space should be configured into medium-sized rooms that can seat 40-55 students. The disciplines that are projected to have the most growth and thus need for this space are Mathematics, Computer & Information Science, Health Science, and the Humanities - primarily Interdisciplinary Studies (such as pre-college courses for general education/basic skills).
4. Office/Conference – Per the State Standards, CHC does not require additional offices. The projected campus growth for 2012 indicates that the campus should remove 3,481 ASF of offices. It is unrealistic to recommend that CHC remove offices, particularly when the college has cited a need for more offices for full-time faculty and future staff and that no part-time offices exist on campus. While the existing office spaces on campus should be studied for possible reconfigurations to increase the efficiencies within the constraints of the building structure, it will be necessary to add more offices by 2012. As mentioned above, a portion of the inactive area will be converted to offices space for Administrative Services and the Police Department in the Lab/Administration Building, which will free up some space on the second and third floor of the Lab/Admin Building. A majority of the Classroom Building, whose small, dark classrooms are a source of complaint for the campus, will be converted into the Student Services Functions of Financial Aid, EOPS, and Health Services – a large portion of which will be offices. New construction will also add offices. CHC will be overbuilt in offices

for a period of time, but this allows the space for programs to grow and develop, attracting more students and in turn, allowing more office space on the campus to be built

5. Library – The existing library functions of Reading Study Rooms, Open Stacks/Reading Rooms and Processing Rooms will expand by 5,000 ASF in the new LRC, for a total of 18,000 ASF.

6. Physical Education (Indoor) – CHC is allowed by the State to have up to 35,000 ASF of indoor Physical Education. By 2012, only 4,900 ASF will be added to the campus in the form of the Community Recreational Facility (natatorium) to service the new Olympic Pool. The remaining allotted ASF will be included in the future Wellness Center.

7. Instructional Media (AV/TV) – Per the Educational Plan's recommendations, CHC will add 6,163 ASF of Instructional Media (AV/TV) space to the campus. Per the Final Project Proposal for the LRC, 4,460 ASF of this total will be included in the new LRC. In general, this type of space will be instructional spaces that use high technology such as distance learning labs. It will be distributed among the various clusters to activate hot spots.

8. Clinic/Demonstration – Clinic/Demonstration refers to the spaces used by Child Development for their day care facilities. The college expressed no immediate need for additional Clinic/Demonstration space by the year 2012.

9. Assembly/Exhibition – Per the State Standards, CHC does not require additional Assembly/Exhibition Space by 2012. However, this is a category that does not adversely affect the campus if more is added.

10. Food Service – Food Services is essential to create a campus center where students gather. To support the Master Plan goals of Student Life, dining will be relocated from the Campus Center on the edge of campus into the old Library, directly off of the Central Quad, creating the focal point for the new Student Center.

11. Lounge/Lounge Service – For 2012, there is no anticipated increase in Lounge/Lounge Service.

12. Merchandise Facility/Bookstore – The Bookstore will be located at the heart of campus with dining in the new Student Center. This will provide close proximity to both the future Student Services Cluster as well as the Parking Garage. These adjacencies will generate more student traffic than the Bookstore's current location between OE 1 and OE 2, on the "perceived" far end of campus.

13. Data Processing/Computers – With the ever increasing demand for technology to support teaching environments, Data Processing/Computers will expand significantly on the campus to provide the necessary support and infrastructure to meet the needs of the academic environment.

14. Physical Plant – For 2012, there is no anticipated increase in the Physical Plant, which refers to general storage.

15. Health Service – CHC is allowed by the state 1,200 ASF for Health Services. Because the Health Services department on campus not only serves the general student population but also the cadets in the EMS and Fire Academy programs who have demanding health service requirements, it is important for Health Services to expand to their capacity as soon as possible. The Health and Wellness Department require emergency vehicular access and prefer a central location for quick access to all areas of campus in the case of an emergency.

## PROJECTIONS SUMMARY

Year	2005	2012	2018	2025
Student Enrollment*	5,400	7,150	9,300	11,470
Building Area (ASF)*	166,745	**195,662	242,296	**288,930
Parking Spaces	1,600	1,760	2,293	2,825

### PROJECTED CAMPUS ASF GROWTH - 2005 to 2012

Room Use	Description	Report 17 (2005)	7,150 Students (2012)*	Delta	
		ASF	ASF	ASF	% Growth
000	Inactive Area	3,404	0	-3,404	-100%
100-115	Lecture	23,920	20,757	-3,163	-13%
210-255	Laboratory	35,343	47,064	11,721	33%
300-350	Office/Conference	22,837	19,356	-3,481	-15%
400-450	Library	20,611	25,566	4,955	24%
520-525	Physical Education (Indoor)	20,891	35,000	14,109	68%
530-535	Instructional Media (AV/TV)	722	6,885	6,163	854%
540-555	Clinic/Demonstration	4,103	6,000	1,897	46%
610-625	Assembly/Exhibition	9,995	7,150	-2,845	-28%
630-635	Food Service	5,756	4,290	-1,466	-25%
650-655	Lounge/Lounge Service	1,311	1,621	310	24%
660-665	Merchandise Facility/Bookstore	4,136	5,845	1,709	41%
670-690	Meeting/Recreation/Locker Rm.	1,600	2,381	781	49%
710-715	Data Processing/Comp	1,069	3,515	2,446	229%
720-740	Physical Plant	10,684	8,999	-1,685	-16%
800-870	Health Service	363	1,200	837	231%
<b>TOTAL</b>		<b>166,745</b>	<b>195,629</b>	<b>28,884</b>	<b>17%</b>

### PROJECTED CAMPUS ASF GROWTH - 2005 to 2025

Room Use	Description	Report 17 (2005)	11,472 Students (2025)*	Delta	
		ASF	ASF	ASF	% Growth
000	Inactive Area	3,404	0	-3,404	-100%
100-115	Lecture	23,920	33,418	9,498	40%
210-255	Laboratory	35,343	76,635	41,292	117%
300-350	Office/Conference	22,837	31,056	8,219	36%
400-450	Library	20,611	41,021	20,410	99%
520-525	Physical Education (Indoor)	20,891	35,000	14,109	68%
530-535	Instructional Media (AV/TV)	722	11,047	10,325	1430%
540-555	Clinic/Demonstration	4,103	6,000	1,897	46%
610-625	Assembly/Exhibition	9,995	11,472	1,477	15%
630-635	Food Service	5,756	6,883	1,127	20%
650-655	Lounge/Lounge Service	1,311	2,601	1,290	98%
660-665	Merchandise Facility/Bookstore	4,136	9,378	5,242	127%
670-690	Meeting/Recreation/Locker Rm.	1,600	3,821	2,221	139%
710-715	Data Processing/Comp	1,069	5,000	3,931	368%
720-740	Physical Plant	10,684	14,439	3,755	35%
800-870	Health Service	363	1,200	837	231%
<b>TOTAL</b>		<b>166,745</b>	<b>288,971</b>	<b>122,226</b>	<b>73%</b>

\* Figures based on Educational & Facilities Master Plan - October 2000 Draft and March 2005 Update.

\*\* Figures assume lecture utilization of 53 hours/week and lab utilization of 27.5 hours/week.

# LECTURE/ LAB ASF GROWTH

Lecture and lab spaces are vital to the functioning of a college. The assignable square footage (ASF) for both lecture and lab is tracked for each instructional discipline by TOPS code in order to understand the space a discipline uses. It is important to note that these numbers do not address the efficiency and functionality of the existing spaces, only the total area allotted for each type of space. Some disciplines primarily use lecture space for humanities-based courses, while others use primarily lab space for science-based courses. By comparing the existing lecture and lab ASF to the projected lecture and lab ASF for 7,150 and 11,472 students, the programs that grow the most and how much additional space they require can be determined.

For planning purposes, the disciplines are grouped by their academic cluster. Existing information for the individual department in Humanities was not available so only the total is provided. In 2012, the disciplines that will require additional space are Physical Science, Mathematics, Computer and Information Sciences, Interdisciplinary Studies, and Health Science. Increasing the utilization of the existing lecture and lab space, changing the use of existing space, or building new lecture and labs, will accommodate this growth. Negative growth indicates that the projections do not support the existing space a discipline occupies and that the current space is sufficient to meet their needs.

Of interest to note in the 2025 projections is that Biological Sciences will only require a relatively little amount of lecture space and no new lab space. The growth in the Science/Mathematics/BIT cluster will focus on lab spaces for Physical Science and Computer and Information Sciences and lecture spaces for Mathematics. The majority of the spaces in the Humanities cluster will be lecture for general Humanities and Social Science classes and labs for Interdisciplinary Studies. In the Emergency Services cluster, the main academic space will be labs.

**PROJECTED LECTURE / LAB ASF GROWTH 2012**

Discipline	TOPS Code	Existing*			7,150 Students (2012)*			Delta	
		Lec ASF	Lab ASF	Total ASF	Lec ASF	Lab ASF	Total ASF	ASF	% Growth
<b>SCIENCE/MATH/BIT</b>									
Biological Sciences	0400	0	11,461	11,461	1,089	5,396	6,486	-4,975	-43%
Physical Science	1900	0	4,420	4,420	900	7,335	8,235	3,815	86%
Mathematics	1700	2,542	0	2,542	3,516	1,238	4,753	2,211	87%
Business & Management	0500	1,089	4,715	5,804	1,289	1,162	2,451	-3,353	-58%
Computer & Information Sciences	0700	0	0	0	385	4,181	4,566	4,566	New
<b>TOTAL</b>		<b>3,631</b>	<b>20,596</b>	<b>24,227</b>	<b>7,179</b>	<b>19,312</b>	<b>26,491</b>	<b>2,264</b>	<b>9%</b>
<b>HEALTH/PE</b>									
Education	0800	420	38	458	120	0	120	-338	-74%
<b>TOTAL</b>		<b>420</b>	<b>38</b>	<b>458</b>	<b>120</b>	<b>0</b>	<b>120</b>	<b>-338</b>	<b>-74%</b>
<b>FINE ARTS</b>									
Fine & Applied Arts	1000	576	6,509	7,085	762	6,209	6,971	-114	-2%
<b>TOTAL</b>		<b>576</b>	<b>6,509</b>	<b>7,085</b>	<b>762</b>	<b>6,209</b>	<b>6,971</b>	<b>-114</b>	<b>-2%</b>
<b>HUMANITIES</b>									
Foreign Language	1100	14,725	2,673	17,398	977	1,032	2,009		
Humanities	1500	0	0	0	3,668	2,052	5,720		
Psychology	2000	0	0	0	1,166	195	1,361		
Social Sciences	2200	0	0	0	3,346	558	3,904		
Interdisciplinary Studies	4900	0	0	0	1,585	8,612	10,197		
<b>TOTAL</b>		<b>14,725</b>	<b>2,673</b>	<b>17,398</b>	<b>10,742</b>	<b>12,449</b>	<b>23,191</b>	<b>5,793</b>	<b>33%</b>
<b>EMERGENCY SERVICES</b>									
Health Science	1200	820	1,958	2,778	630	6,653	7,283	4,505	162%
Public Affairs/Services	2100	3,759	2,050	5,809	944	1,066	2,009	-3,800	-65%
<b>TOTAL</b>		<b>4,579</b>	<b>4,008</b>	<b>8,587</b>	<b>1,574</b>	<b>7,719</b>	<b>9,292</b>	<b>705</b>	<b>8%</b>
<b>CDC</b>									
Consumer Education/Home Economics	1300	0	0	0	380	1,375	1,755	1,755	New
<b>TOTAL</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>380</b>	<b>1,375</b>	<b>1,755</b>	<b>1,755</b>	<b>New</b>
<b>CAMPUS TOTAL</b>		<b>23,931</b>	<b>33,824</b>	<b>57,755</b>	<b>20,757</b>	<b>47,064</b>	<b>67,821</b>	<b>10,066</b>	<b>17%</b>

\*Figures based on Educational & Facilities Master Plan - October 2000 Draft and March 2005 Update.

**PROJECTED LECTURE / LAB ASF GROWTH 2025**

Discipline	TOPS Code	Existing*			11,472 Students (2025)*			Delta	
		Lec ASF	Lab ASF	Total ASF	Lec ASF	Lab ASF	Total ASF	ASF	% Growth
<b>SCIENCE/MATH/BIT</b>									
Biological Sciences	0400	0	11,461	11,461	1,901	11,447	13,348	1,887	16%
Physical Science	1900	0	4,420	4,420	1,379	11,244	12,623	8,203	186%
Mathematics	1700	2,542	0	2,542	5,171	1,823	6,994	4,452	175%
Business & Management	0500	1,089	4,715	5,804	2,231	2,012	4,243	-1,561	-27%
Computer & Information Sciences	0700	0	0	0	689	7,471	8,160	8,160	
<b>TOTAL</b>		<b>3,631</b>	<b>20,596</b>	<b>24,227</b>	<b>11,371</b>	<b>33,997</b>	<b>45,368</b>	<b>21,141</b>	<b>87%</b>
<b>HEALTH/PE</b>									
Education	0800	420	38	458	190	0	190	-268	-59%
<b>TOTAL</b>		<b>420</b>	<b>38</b>	<b>458</b>	<b>190</b>	<b>0</b>	<b>190</b>	<b>-268</b>	<b>-59%</b>
<b>FINE ARTS</b>									
Fine & Applied Arts	1000	576	6,509	7,085	1,064	8,671	9,735	2,650	37%
<b>TOTAL</b>		<b>576</b>	<b>6,509</b>	<b>7,085</b>	<b>1,064</b>	<b>8,671</b>	<b>9,735</b>	<b>2,650</b>	<b>37%</b>
<b>HUMANITIES</b>									
Foreign Language	1100	14,725	2,673	17,398	1,156	1,221	2,377		
Humanities	1500	0	0	0	5,666	3,171	8,837		
Psychology	2000	0	0	0	2,256	378	2,634		
Social Sciences	2200	0	0	0	6,123	1,023	7,146		
Interdisciplinary Studies	4900	0	0	0	2,454	13,338	15,792		
<b>TOTAL</b>		<b>14,725</b>	<b>2,673</b>	<b>17,398</b>	<b>17,655</b>	<b>19,131</b>	<b>36,786</b>	<b>19,388</b>	<b>111%</b>
<b>EMERGENCY SERVICES</b>									
Health Science	1200	820	1,958	2,778	1,030	10,875	11,905	9,127	329%
Public Affairs/Services	2100	3,759	2,050	5,809	1,476	1,669	3,145	-2,664	-46%
<b>TOTAL</b>		<b>4,579</b>	<b>4,008</b>	<b>8,587</b>	<b>2,506</b>	<b>12,544</b>	<b>15,050</b>	<b>6,463</b>	<b>75%</b>
<b>CDC</b>									
Consumer Education/Home Economics	1300	0	0	0	632	2,292	2,924	2,924	
<b>TOTAL</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>632</b>	<b>2,292</b>	<b>2,924</b>	<b>2,924</b>	
<b>CAMPUS TOTAL</b>		<b>23,931</b>	<b>33,824</b>	<b>57,755</b>	<b>33,418</b>	<b>76,635</b>	<b>110,053</b>	<b>52,298</b>	<b>91%</b>

\*Figures based on Educational & Facilities Master Plan - October 2000 Draft and March 2005 Update.

# LECTURE/ LAB UTILIZATION

Title 5 of the California Administrative Code (Sections 57000-57140) prescribes standards for the utilization and planning of most educational facilities in public community colleges. These standards, when applied to the total number of students served (or some variant thereof, e.g., weekly student contact hours), produce total capacity requirements that are expressed in assignable square feet (space available for assignment to occupants). To determine both existing and future capacity, lecture rooms should be utilized an average of 53 hours per week and labs should be utilized an average of 27.5 hours per week.

CHC class schedules for the spring of 2005 (labs) and fall 2005 (lectures) were analyzed to determine the current average utilization of the teaching spaces. The existing 29 lecture spaces on campus were utilized an average of 35 hours per week and the existing 19 lab spaces on campus were utilized an average of 22 hours per week.

Increasing the number of hours a week a lecture or lab is used effectively increases the amount of teaching space available without having to build new space on campus. If CHC increased its utilization on average to 53 hours per week, the current hours spent teaching could be accommodated in 19 rooms, leaving 10 rooms open for additional classes. If CHC increased the lab utilization on average to 27.5 hours per week, the hours that are currently taught could be accommodated in 15 rooms, leaving 4 rooms open for additional lab classes.

It is recommended that at a minimum, CHC increase its lecture utilization to 44 hours per week. All of the lecture ASF projections and consequently the overall size of the Master Program, are based on the State standards of 53 hours per week.

## LECTURE UTILIZATION

Building	Room	Capacity				Lec ASF	Lec Hrs/Wk	Target Hours		
		Report 17	State 15 SF/Per	Code 20 SF/per	Actual***			Hrs < 35/wk	Hrs < 44/wk	Hrs < **53/wk
01 Lab/Admin	LADM 121	84	N/A	N/A	84	1,133	27	8	17	26
	*LADM 224	72	N/A	N/A	84	1,131	30	5	14	23
	LADM 304	51	63	47	49	941	39	-4	5	14
02 Library	LR 347	45	33	25	36	492	29	6	15	24
	LR 348	38	64	48	45	957	58	-23	-14	-5
05 Classroom Building	CL 106	45	42	31	47	625	43	-8	1	10
	*CL 107	30	25	19	23	372	24	12	21	30
	CL 108	34	25	19	27	371	28	7	16	25
	CL 109	34	25	19	28	374	44	-9	0	9
	CL 110	32	25	19	31	377	48	-13	-4	5
	CL 111	50	42	31	40	625	53	-18	-9	0
	CL 215	38	26	19	30	384	30	5	14	23
	CL 216	38	25	19	31	382	16	19	28	37
	CL 217	36	26	19	28	384	44	-9	0	9
	*CL 218	45	42	31	47	625	51	-16	-7	2
	CL 219	32	26	19	29	385	48	-13	-4	5
06 OE 1	OE1 120	30	56	42	43	836	40	-5	4	13
	OE1 127	60	56	42	52	836	40	-5	4	13
07 OE 2	OE2 205	50	101	76		1,510	6	29	38	47
	OE2 214C	40	52	39	34	774	36	-1	8	17
08 PAC	PAC 219	22	38	29		576	6	29	38	47
12 Chemistry/Health Science	CHS 122	66	N/A	N/A	69	1,118	24	11	20	29
	CHS 127	30	55	41	24	820	14	21	30	39
	*CHS 237	50	59	44	44	886	57	-22	-13	-4
	*CHS 242	68	N/A	N/A	68	1,126	33	2	11	20
13 Child Development 1	CD 115	52	53	40	40	792	35	0	9	18
18 BC	*BC 101	69	69	52	64	1,040	34	1	10	19
	BC 105	43	43	32	40	648	39	-4	5	14
	*BC 106	43	43	32	37	648	39	-4	5	14
<b>TOTAL</b>		<b>1,327</b>	<b>1,111</b>	<b>833</b>	<b>1,174</b>	<b>21,168</b>	<b>1,015</b>	<b>1</b>	<b>262</b>	<b>523</b>

Number of Rooms	29		
Average Capacity		46	
Average Hours/Week			35

	No. of Rooms	Available Rooms
Existing Lecture	29	0
Lecture Equivalent @ 35 Hours	29	0
Lecture Equivalent @ 44 Hours	23	6
Lecture Equivalent @ 53 Hours	19	10

Existing Extra Small Classrooms <35 8  
 Existing Small Classrooms 36-45 5  
 Existing Medium Classroom 46-55 10  
 Existing Large Classrooms >55 6

\*Existing "Smart" Classroom converted by CHC.  
 \*\*Master Program Lecture ASF projections are based on State Standard of 53 hours per week.  
 \*\*\*Campus count of number of desks in classroom

## LAB UTILIZATION

Building	Room	Lab CAP	Lab ASF	Lab Hrs/Wk	Target Hours Hrs < *27.5/wk
01 Lab/Admin	LADM 101	35	1,300	27	1
	LADM 106	20	1,177	21	7
	LADM 115	24	1,303	18	10
	LADM 201	27	1,170	21	7
	LADM 211	32	1,172	27	1
	LADM 216	30	1,063	3	25
	LADM 217	20	919	30	-2
	LADM 220	18	1,142	21	7
	LADM 225	45	1,340	24	4
	06 OE 1	OE1 101	30	1,192	30
07 OE 2	OE2 214A	19	722	6	22
	OE2 216	15	486	15	13
08 PAC	PAC 225	25	564	6	22
	PAC 308	60	1,465	55	-27
	PAC 309	56	1,465	29	-2
12 Chemistry/Health Science	CHS 123	45	1,687	22	6
	CHS 232	32	1,959	15	13
	CHS 238	32	1,959	15	13
18 BC	BC 104	19	772	34	-7
<b>TOTAL</b>		<b>584</b>	<b>22,857</b>	<b>418</b>	<b>105</b>

Number of Rooms	19		
Average Capacity		31	
Average Hours/Week			22

	No. of Rooms	Available Lab
Existing Lab	19	0
Lab Equivalent @ 27.5 Hours	15	4

\*Master Program Lab ASF projections are based on State Standard of 27.5 hours per week.



# 4 | MASTER PROGRAM PLAN

# SUMMARY

By 2025, CHC will need to add 146,938 ASF / 268,702 GSF bringing the campus total to 313,683 ASF / 493,489 GSF. This total is 24,712 ASF more than the Educational Master Plan projection of 288,971 ASF. The delta includes 9,750 ASF for the Community Center, which does not count as assignable square footage on the Report 17, as well as growth for the Student Center and Student Services cluster. The last two items, while potentially not State supportable, are essential to the realization of the Master Plan Goals.

The target ASF for each cluster is calculated by combining the departmental 2025 ASF targets as shown in the “Space Use by Department Summary” in Section 2. While each department has individual growth needs, each academic cluster (Child Development & Education, Humanities, Fine Arts, Science/Mathematics/BIT, Emergency Services, and Health/Physical Education) has been assigned a Cluster Library, Cluster Instructional Media space, and Cluster Support. The intent is to provide shared spaces with adequate technical support, thereby creating unique and active “hot spots” within each cluster.

The cluster ASF target is distributed between renovated and/or new construction. It has been assumed that the efficiency of the renovated buildings will decrease based on the building constraints, changes of use, and the need to bring the buildings up to current code standards. All of the clusters will require new construction. The size of the new construction is the difference between the cluster target ASF and the total renovated ASF of the existing buildings in that cluster.

In the Humanities cluster, the size of the LRC is a given based on the Final Project Proposal submitted to the State. Humanities 1 is sized to provide enough new classroom space of the desired quality on campus to help reach the student enrollment target but not be too large as to jeopardize future State funding. The size of Humanities 2 completes the cluster ASF target.

In the Community Cluster, the Community Recreational Facility is sized to support the Olympic swimming pool. If a warm-up pool is added in the future, the size of the building will need to increase to provide locker rooms, changing rooms, and public facilities that properly service the two pools.

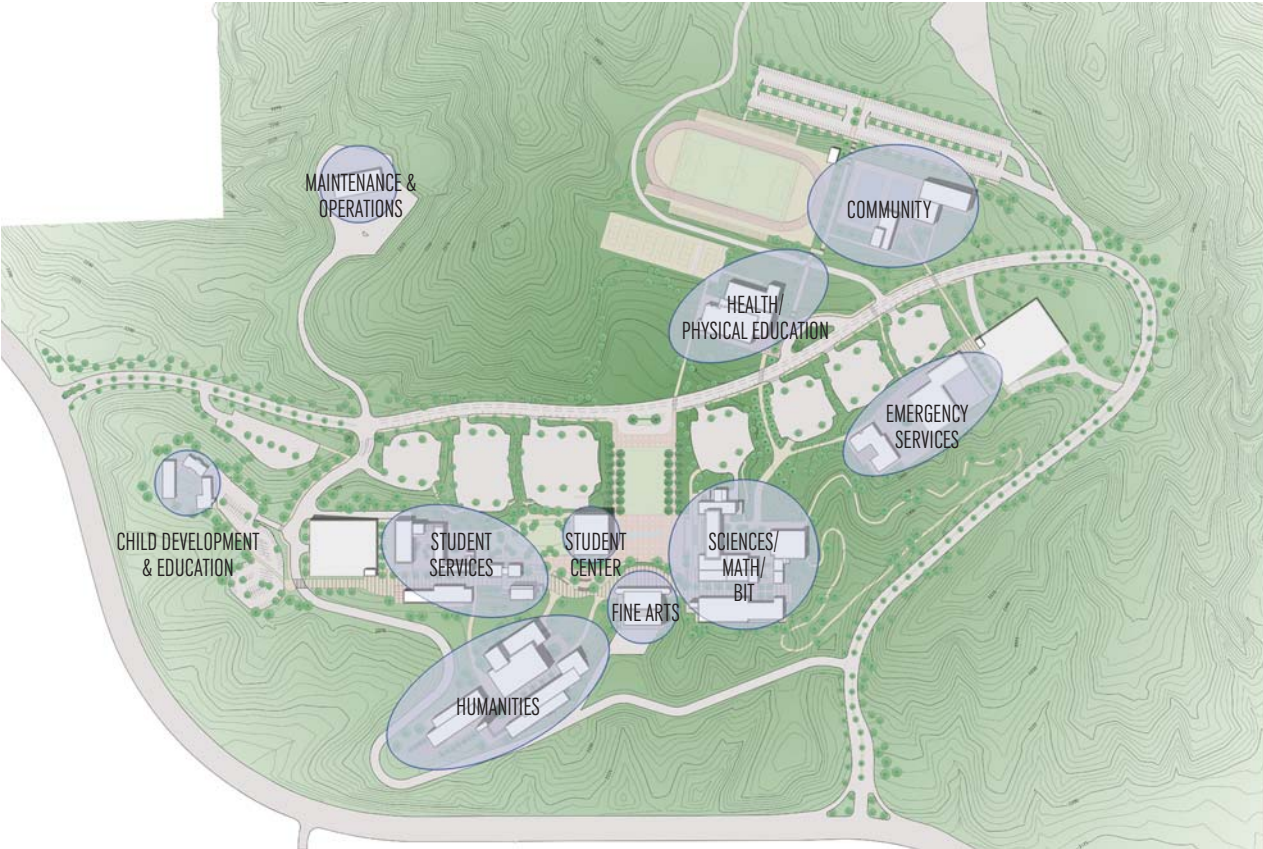
# CLUSTERS

Cluster	ASF	GSF
CHILD DEVELOPMENT & EDUCATION	12,549	20,168
STUDENT SERVICES	36,823	58,618
HUMANITIES	84,785	122,400
FINE ARTS	23,567	43,146
SCIENCE/MATH/BIT	52,175	83,951
EMERGENCY SERVICES	28,073	43,946
HEALTH / PHYSICAL EDUCATION	32,611	48,075
COMMUNITY	14,650	22,000
STUDENT CENTER	25,915	37,021
MAINTENANCE AND OPERATIONS	10,000	14,286
<b>CAMPUS TOTAL</b>	<b>321,148</b>	<b>493,611</b>

**EXISTING CAMPUS TOTAL\***                    **166,745**    **224,787**

**TOTAL ADDED SPACE**                    **154,403**    **268,824**

\*Existing per Report 17 (March 2005)



## CHILD DEVELOPMENT & EDUCATION CLUSTER

Child Development & Education 12,549 ASF  
**TARGET 12,549 ASF**

Building	(N) ASF	(E) ASF*	Renovated ASF**	% Efficiency	GSF*
<b>RENOVATION</b>					
13 Child Development 1		3,083	2,940	60%	4,900
14 Child Development 2		1,746	1,733	55%	3,150
Subtotal Renovation			4,673		8,050
<b>NEW CONSTRUCTION</b>					
15 Child Development Expansion	7,877			65%	12,118
Subtotal New Projects	7,877				12,118
<b>CLUSTER TOTAL</b>	<b>12,549</b>				<b>20,168</b>

\*Existing per Report 17 (March 2005)

\*\*Renovated ASF assumes lower efficiency factor due to building constraints or change of use.

## STUDENT SERVICES CLUSTER

Administration 10,000 ASF  
 Swing Space 10,533 ASF  
 Student Services 16,290 ASF  
**TARGET 36,823 ASF**

Building	(N) ASF	(E) ASF*	Renovated ASF**	% Efficiency	GSF*
<b>RENOVATION</b>					
03 College Center		8,245	7,276	85%	8,560
04 Student Services A		4,773	3,490	35%	9,970
05 Classroom Building		5,816	4,420	65%	6,800
16 Student Services B		4,194	3,624	65%	5,575
Subtotal Renovation			18,809		30,905
<b>NEW CONSTRUCTION</b>					
19 Administration/Student Services	18,014			65%	27,713
Subtotal New Projects	18,014				27,713
<b>CLUSTER TOTAL</b>	<b>36,823</b>				<b>58,618</b>

\*Existing per Report 17 (March 2005)

\*\*Renovated ASF assumes lower efficiency factor due to building constraints or change of use.

## HUMANITIES CLUSTER

General Assignment	30,101 ASF
Language Arts	5,673 ASF
Learning Center	0 ASF
Library	40,000 ASF
Social Sciences	7,778 ASF
Technical Services	1,233 ASF
<b>TARGET</b>	<b>84,785 ASF</b>

Building	(N) ASF	(E) ASF*	Renovated ASF**	% Efficiency	GSF*
<b>NEW CONSTRUCTION</b>					
20 Learning Resource Center (LRC)	40,000			75%	53,500
21 Humanities 1	15,840			65%	24,369
22 Humanities 2	28,945			65%	44,531
Subtotal New Projects	84,785				122,400
<b>CLUSTER TOTAL</b>	<b>84,785</b>				<b>122,400</b>

Per FPP

\*Existing per Report 17 (March 2005)

\*\*Renovated ASF assumes lower efficiency factor due to building constraints or change of use.

## FINE ARTS CLUSTER

Fine Arts	23,567 ASF
<b>TARGET</b>	<b>23,567 ASF</b>

Building	(N) ASF	(E) ASF*	Renovated ASF**	% Efficiency	GSF*
<b>RENOVATION</b>					
08 Performing Arts Center		15,736	14,926	50%	29,851
Subtotal Renovation			14,926		29,851
<b>NEW CONSTRUCTION</b>					
23 PAC Expansion	8,642			65%	13,295
Subtotal New Projects	8,642				13,295
<b>CLUSTER TOTAL</b>	<b>23,567</b>				<b>43,146</b>

\*Existing per Report 17 (March 2005)

\*\*Renovated ASF assumes lower efficiency factor due to building constraints or change of use.

## SCIENCE/MATH/BIT CLUSTER

Biological Sciences & Chemistry	13,968 ASF
Business and Information Tech	13,024 ASF
Math	11,083 ASF
Physical Science	13,001 ASF
Police	1,099
<b>TARGET</b>	<b>52,175 ASF</b>

Building	(N) ASF	(E) ASF*	Renovated		GSF*
			ASF**	% Efficiency	
<b>RENOVATION</b>					
01 Lab/Admin		25,784	18,373	60%	30,621
12 Chemistry		12,776	10,343	60%	17,238
Subtotal Renovation			28,715		47,859
<b>NEW CONSTRUCTION</b>					
24 Sciences	23,460			65%	36,092
Subtotal New Projects			23,460		36,092
<b>CLUSTER TOTAL</b>		<b>52,175</b>			<b>83,951</b>

\*Existing per Report 17 (March 2005)

\*\*Renovated ASF assumes lower efficiency factor due to building constraints or change of use.

## EMERGENCY SERVICES CLUSTER

Allied Health Services	3,412 ASF
Emergency Services	24,661 ASF
<b>TARGET</b>	<b>28,073 ASF</b>

Building	(N) ASF	(E) ASF*	Renovated		GSF*
			ASF**	% Efficiency	
<b>RENOVATION</b>					
06 OE 1		7,719	5,905	60%	9,842
Subtotal Renovation			5,905		9,842
<b>NEW CONSTRUCTION</b>					
07 Emergency Services	22,168			65%	34,104
Subtotal New Projects			22,168		34,104
<b>CLUSTER TOTAL</b>		<b>28,073</b>			<b>43,946</b>

\*Existing per Report 17 (March 2005)

\*\*Renovated ASF assumes lower efficiency factor due to building constraints or change of use.

## HEALTH / PHYSICAL EDUCATION CLUSTER

Health & Physical Education 32,611 ASF  
**TARGET 32,611 ASF**

Building	(N) ASF	(E) ASF*	Renovated ASF**	% Efficiency	GSF*
<b>RENOVATION</b>					
10 Gymnasium		22,428	16,520	70%	23,600
Subtotal Renovation			16,520		23,600
<b>NEW CONSTRUCTION</b>					
11 Wellness Center	13,536			65%	24,475
Subtotal New Projects					24,475
<b>CLUSTER TOTAL</b>		<b>30,056</b>			<b>48,075</b>

\*Existing per Report 17 (March 2005)

\*\*Renovated ASF assumes lower efficiency factor due to building constraints or change of use.

\*\*\*Community Center is part of the Community Recreational Facility and will not count towards the Report 17.

## COMMUNITY CLUSTER

Health & Physical Education 4,900 ASF  
**TARGET 4,900 ASF**

Building	(N) ASF	(E) ASF*	Renovated ASF**	% Efficiency	GSF*
<b>NEW CONSTRUCTION</b>					
25 Community Recreational Facility***	4,900			70%	7,000
26 Community Center****	9,750			65%	15,000
Subtotal New Projects					22,000
<b>CLUSTER TOTAL</b>		<b>14,650</b>			<b>22,000</b>

\*Existing per Report 17 (March 2005)

\*\*Renovated ASF assumes lower efficiency factor due to building constraints or change of use.

\*\*\*Natatorium

\*\*\*\*Community Center is part of the Community Cluster and will not count towards the Report 17.

## STUDENT CENTER

Dining	7,465 ASF
Bookstore	10,500 ASF
Student Center	5,500 ASF
Other	2,450 ASF
<b>TARGET</b>	<b>25,915 ASF</b>

Building	(N) ASF	(E) ASF*	Renovated ASF**	% Efficiency	GSF*
<b>NEW CONSTRUCTION</b>					
02 Student Center	25,915			70%	37,021
Subtotal New Projects	25,915				37,021
<b>CLUSTER TOTAL</b>	<b>25,915</b>				<b>37,021</b>

## MAINTENANCE AND OPERATIONS

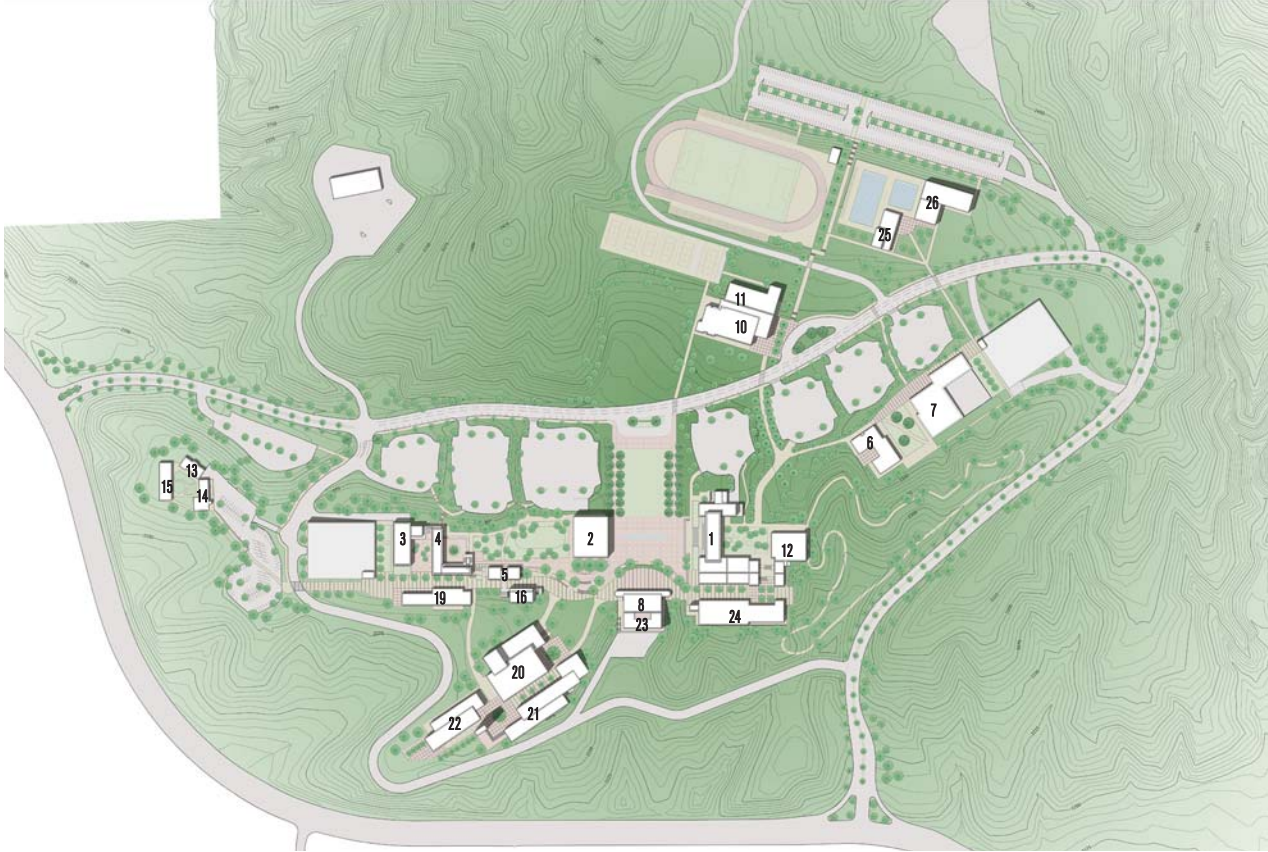
Maintenance & Operations	10,000 ASF
<b>TARGET</b>	<b>10,000 ASF</b>

Building	(N) ASF	(E) ASF*	Renovated ASF**	% Efficiency	GSF*
<b>NEW CONSTRUCTION</b>					
Maintenance & Operations	10,000			70%	14,286
Subtotal New Projects	10,000				14,286
<b>CLUSTER TOTAL</b>	<b>10,000</b>				<b>14,286</b>

\*Existing per Report 17 (March 2005)

\*\*Renovated ASF assumes lower efficiency factor due to building constraints or change of use.

# 2025 MASTER PLAN



NO.	BUILDING NAME	NO.	BUILDING NAME
1	LABORATORY CENTER (former Laboratory/Administration Building)	13	CHILD DEVELOPMENT CENTER 1
<b>2</b>	<b>STUDENT CENTER</b>	14	CHILD DEVELOPMENT CENTER 2
3	COLLEGE CENTER	<b>15</b>	<b>CHILD DEVELOPMENT CENTER EXPANSION</b>
4	STUDENT SERVICES A	16	STUDENT SERVICES B
5	STUDENT SERVICES C (former Classroom Building)	17	DEMOLISHED - CLASSROOMS
6	OCCUPATIONAL EDUCATION 1	18	DEMOLISHED - CLASSROOMS
7	EMERGENCY SERVICES	<b>19</b>	<b>ADMINISTRATION/ STUDENT SERVICES</b>
8	PERFORMING ARTS CENTER	<b>20</b>	<b>LEARNING RESOURCE CENTER</b>
<b>9</b>	<b>MAINTENANCE &amp; OPERATIONS</b>	<b>21</b>	<b>HUMANITIES 1</b>
10	GYMNASIUM	<b>22</b>	<b>HUMANITIES 2</b>
<b>11</b>	<b>WELLNESS CENTER</b>	<b>23</b>	<b>PERFORMING ARTS CENTER EXPANSION</b>
12	CHEMISTRY	<b>24</b>	<b>SCIENCES</b>
		<b>25</b>	<b>COMMUNITY RECREATIONAL FACILITY</b>
		<b>26</b>	<b>COMMUNITY CENTER</b>

\* 2012 & 2025 new buildings are indicated by bold font.



# 5 | SPACE STANDARDS

# SUMMARY

Sizes for lecture, computer labs, offices, and conference rooms have been programmed to provide a standard for future renovation and construction. All lecture and lab spaces are “smart” classrooms. The small (810 ASF) and medium (1,080 ASF) lecture and labs have been designed for maximum flexibility in furniture arrangement and spatial reconfiguration. Two medium lecture or labs can be converted to three small lecture or labs and vice versa. CHC requested two (2) large lecture rooms (1,500 ASF), one in the Humanities cluster and one in the Science/Mathematics/BIT cluster, and one (1) extra-large lecture (2,500 ASF), location to be determined.

# SPACE STANDARDS

## LECTURE

Room Type	ASF
110 Small Lecture	810
110 Medium Lecture	1,080
110 Large Lecture	1,500
110 Extra Large Lecture	2,500

## COMPUTER LAB

Room Type	ASF
210 Small Lab	810
210 Medium Lab	1,080
210 Large Lab	1,500

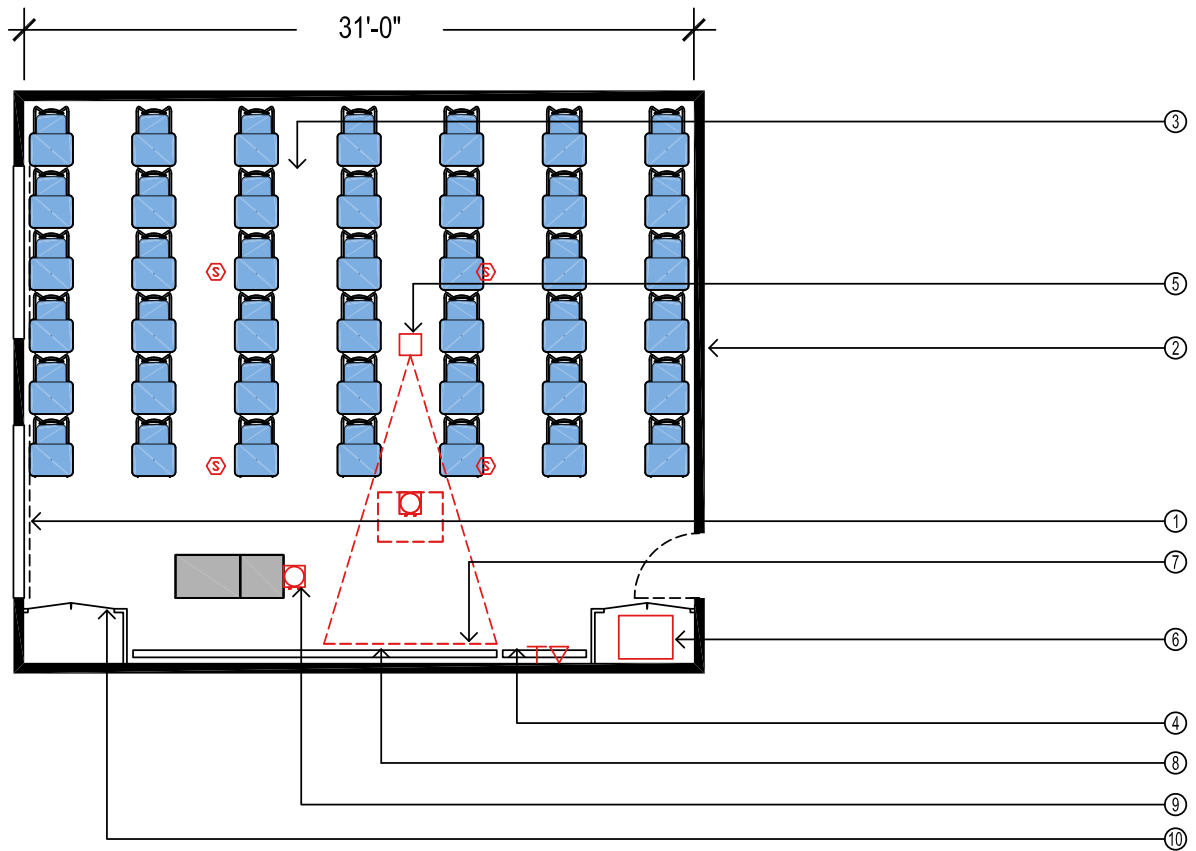
## OFFICE

Room Type	ASF
310 Open Work Station	60
310 Staff	80
310 Full-time Faculty	90
310 Counselor	100
310 Part-time Faculty - Small (2 people)	120
310 Part-time Faculty - Large (4 people)	240
310 Associate Dean	140
310 Dean	160
310 Vice President	240
310 President	300

## CONFERENCE

Room Type	ASF
350 Small Conference	120
350 Medium Conference	300
350 Large Conference	375

# SMALL LECTURE A (42 STUDENT STATIONS AT 18 SF/STATION: 810 SF)



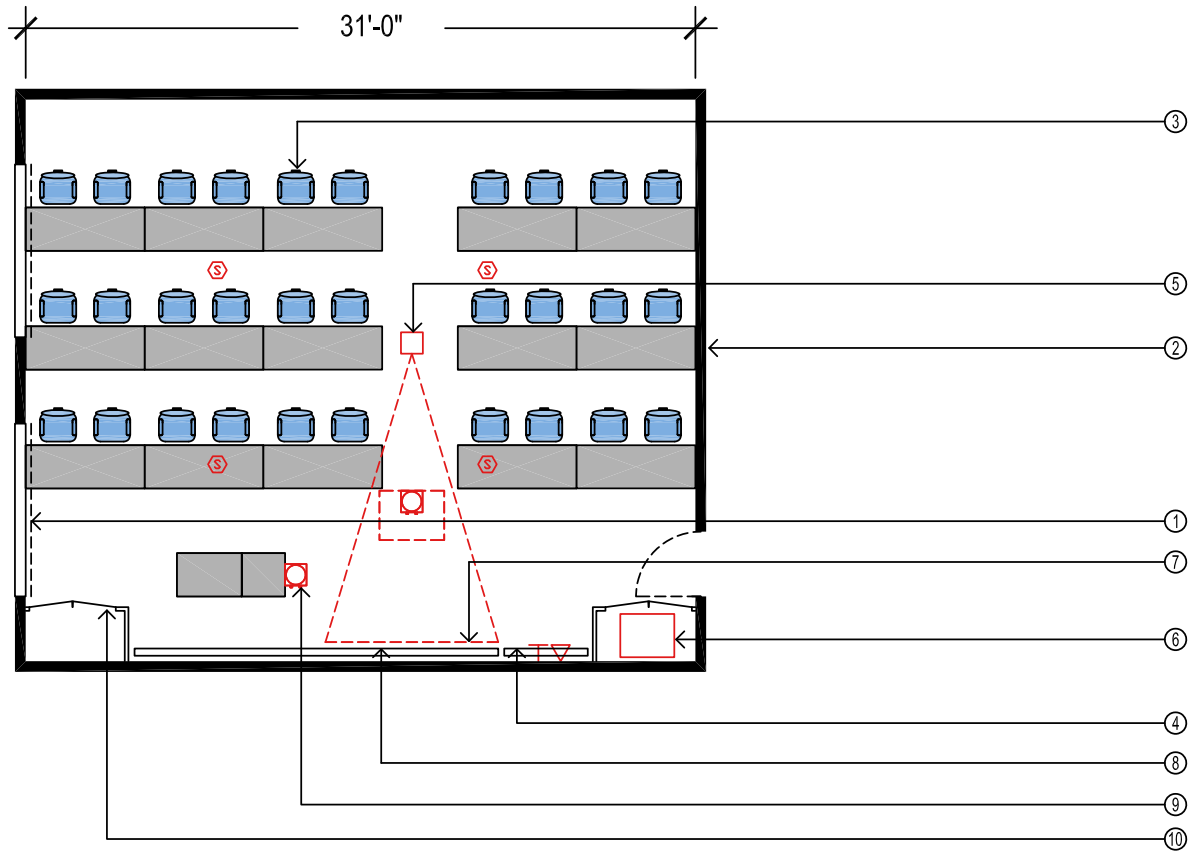
## LEGEND

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|--|--|---------------------|
| ① SHADES AT EXTERNAL WINDOWS   | ⑥ AUDIO VISUAL EQUIPMENT RACK                              | CEILING SPEAKERS    |
| ② POWER AND NETWORK CONNECTION AT EACH ROW   | ⑦ MOTORIZED PROJECTION SCREEN 4'-6" X 8'-0"                | FLOOR BOX           |
| ③ OPTIONAL INSTRUCTOR STATION  | ⑧ WHITEBOARD   | SCREEN CONTROL      |
| ④ BULLETIN BOARD   | ⑨ FLUSH MOUNT AV / DATA FLOOR BOX FOR LECTERN CONNECTIVITY | MICROPHONE RECEIVER |
| ⑤ CEILING-MOUNTED VIDEO-DATA PROJECTOR W/ NETWORK CONNECTIVITY (BUILT-IN READY TO UTILIZE) | ⑩ LOCKABLE STORAGE CABINET                                 |                     |
| ⑥ PRINTER STATION  |  |                     |

NOTE: ZONED LIGHTING WITH FRONT/BACK SWITCHING  
 BULLETIN BOARDS CAN BE MOVED TO SIDE OF CLASSROOM TO MAXIMIZE LENGTH OF WHITE BOARD



SMALL LECTURE B (30 STUDENT STATIONS AT 27 SF/STATION: 810 SF)



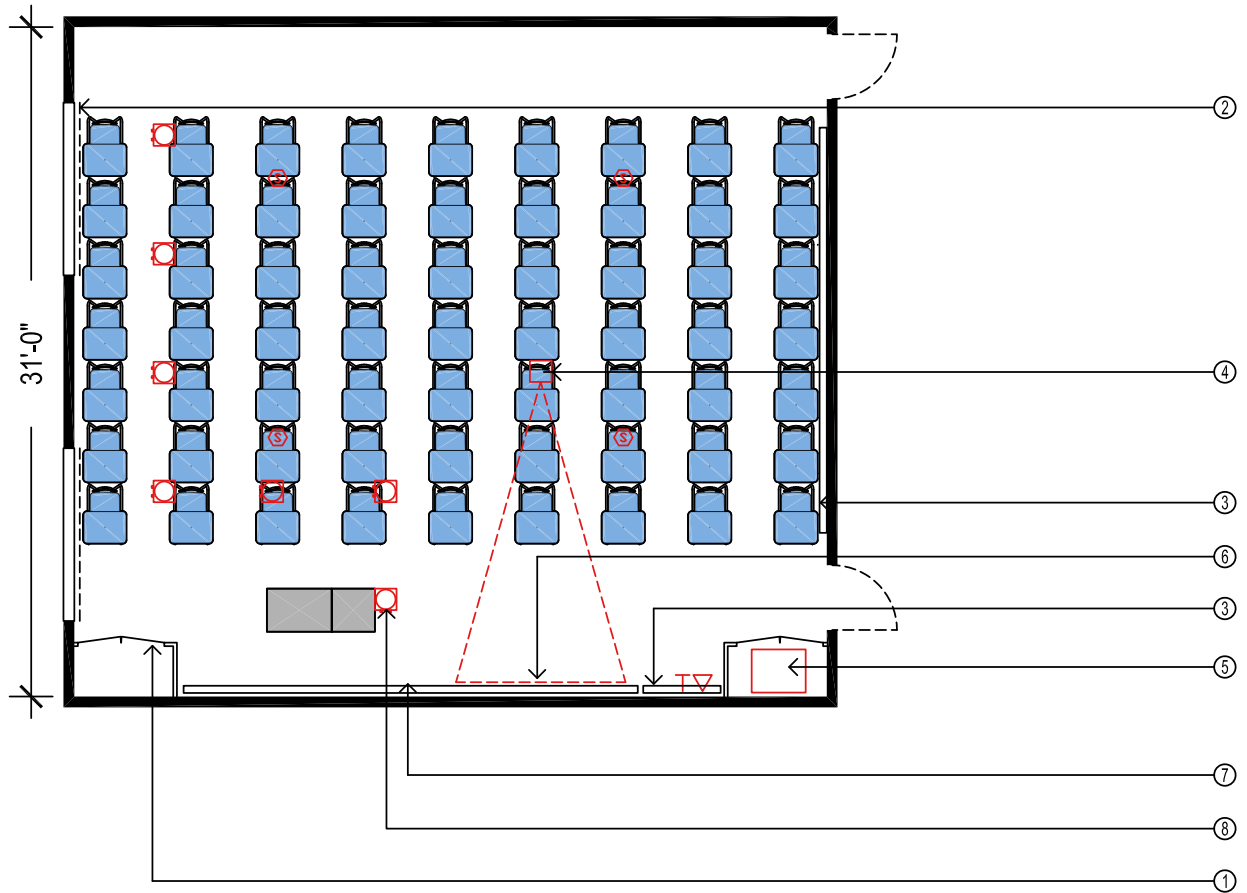
LEGEND

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|--|--|-----------------------|
| ① SHADES AT EXTERNAL WINDOWS   | ⑥ AUDIO VISUAL EQUIPMENT RACK                              | Ⓢ CEILING SPEAKERS    |
| ② POWER AND NETWORK CONNECTION AT EACH ROW   | ⑦ MOTORIZED PROJECTION SCREEN 4'-6" X 8'-0"                | Ⓛ FLOOR BOX           |
| ③ OPTIONAL INSTRUCTOR STATION  | ⑧ WHITEBOARD   | T SCREEN CONTROL      |
| ④ BULLETIN BOARD   | ⑨ FLUSH MOUNT AV / DATA FLOOR BOX FOR LECTERN CONNECTIVITY | ▽ MICROPHONE RECEIVER |
| ⑤ CEILING-MOUNTED VIDEO-DATA PROJECTOR W/ NETWORK CONNECTIVITY (BUILT-IN READY TO UTILIZE) | ⑩ LOCKABLE STORAGE CABINET                                 |                       |





NOTE: ZONED LIGHTING WITH FRONT/BACK SWITCHING  
 BULLETIN BOARDS CAN BE MOVED TO SIDE OF CLASSROOM TO MAXIMIZE LENGTH OF WHITE BOARD



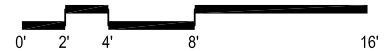
MEDIUM LECTURE A (60 STUDENT STATIONS AT 18 SF/STATION: 1,080 SF)



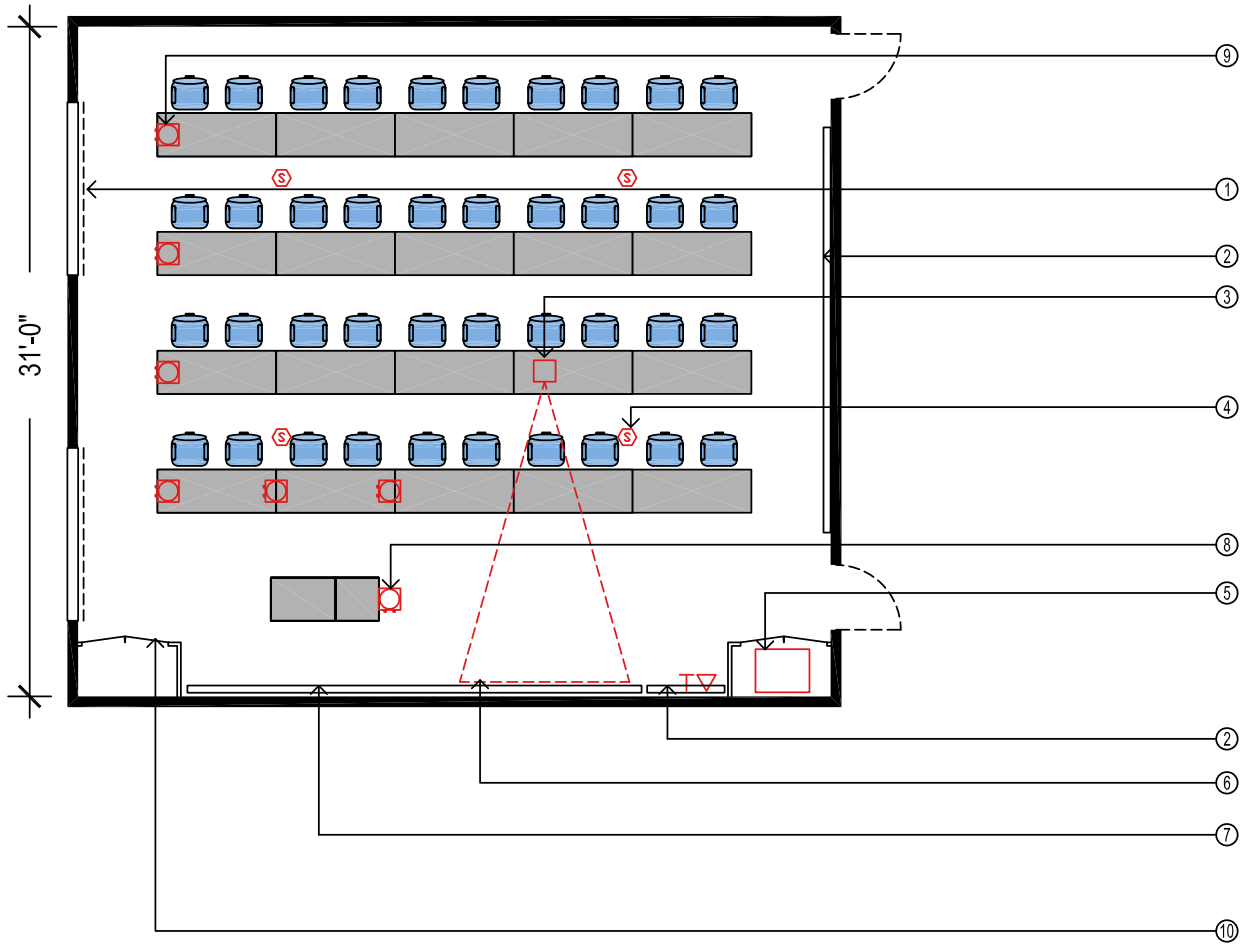
LEGEND

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|--|--|---|
| ① LOCKABLE STORAGE CABINET   | ⑥ MOTORIZED PROJECTION SCREEN 4'-6" X 8'-0"                |  CEILING SPEAKERS    |
| ② SHADES AT EXTERNAL WINDOWS   | ⑦ WHITEBOARD   |  FLOOR BOX           |
| ③ BULLETIN BOARD   | ⑧ FLUSH MOUNT AV / DATA FLOOR BOX FOR LECTERN CONNECTIVITY |  SCREEN CONTROL      |
| ④ CEILING MOUNTED VIDEO/DATA PROJECTOR W/ NETWORK CONNECTIVITY (BUILT-IN READY TO UTILIZE) |  |  MICROPHONE RECEIVER |
| ⑤ AUDIO VISUAL EQUIPMENT RACK  |  |   |

NOTE: ZONED LIGHTING WITH FRONT/BACK SWITCHING  
 BULLETIN BOARDS CAN BE MOVED TO SIDE OF CLASSROOM TO MAXIMIZE LENGTH OF WHITE BOARD



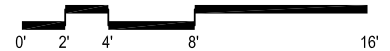
MEDIUM LECTURE B (40 STUDENT STATIONS AT 27 SF/STATION: 1,080 SF)



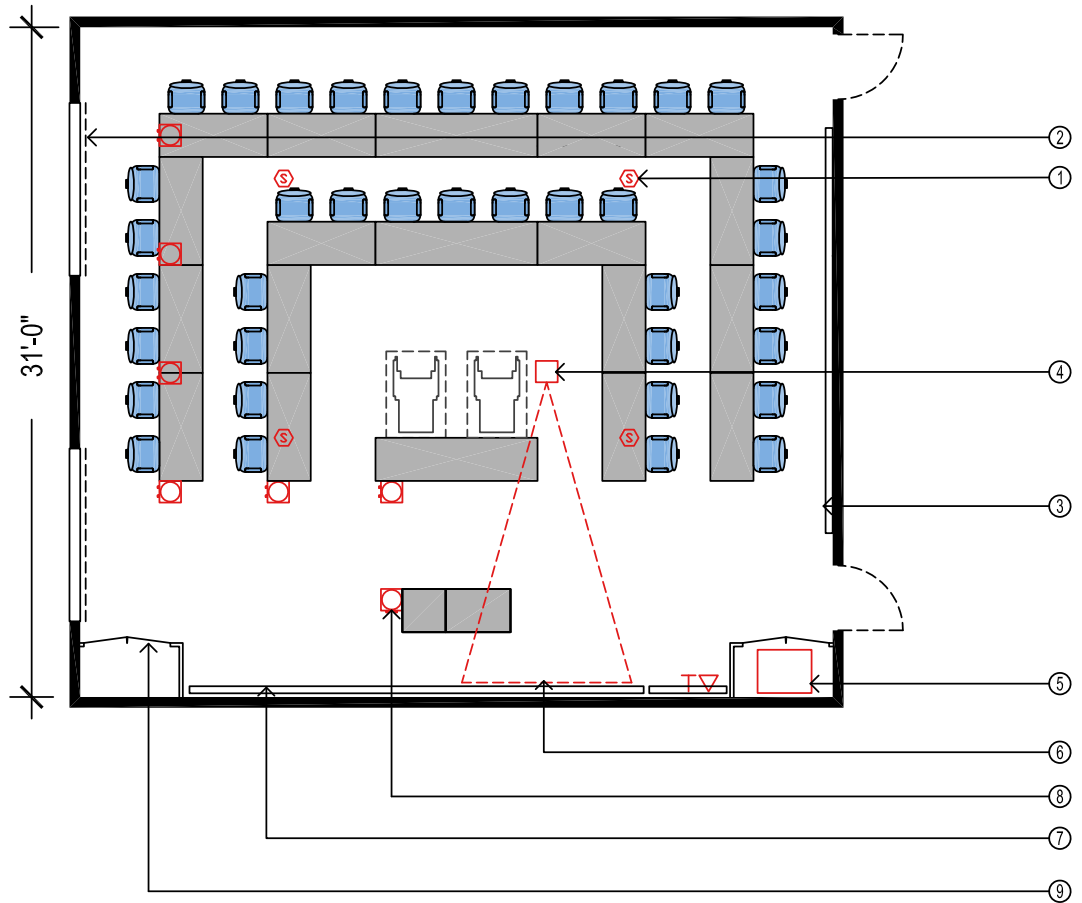
LEGEND

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|--|--|-----------------------|
| ① SHADES AT EXTERNAL WINDOWS   | ⑦ WHITEBOARD   | Ⓢ CEILING SPEAKERS    |
| ② BULLETIN BOARD   | ⑧ FLUSH MOUNT AV / DATA FLOOR BOX FOR LECTERN CONNECTIVITY | ⓧ FLOOR BOX           |
| ③ CEILING-MOUNTED VIDEO-DATA PROJECTOR W/ NETWORK CONNECTIVITY (BUILT-IN READY TO UTILIZE) | ⑨ POWER AND NETWORK CONNECTION IN FLUSH FLOOR BOX          | T SCREEN CONTROL      |
| ④ CEILING LOUDSPEAKERS   | ⑩ LOCKABLE STORAGE CABINET                                 | ▽ MICROPHONE RECEIVER |
| ⑤ AUDIO VISUAL EQUIPMENT RACK  |  |                       |
| ⑥ MOTORIZED PROJECTION SCREEN 4'-6" X 8'-0"  |  |                       |

NOTE: ZONED LIGHTING WITH FRONT/BACK SWITCHING  
 BULLETIN BOARDS CAN BE MOVED TO SIDE OF CLASSROOM TO MAXIMIZE LENGTH OF WHITE BOARD



MEDIUM LECTURE C (40 STUDENT STATIONS AT 27 SF/STATION: 1,080 SF)



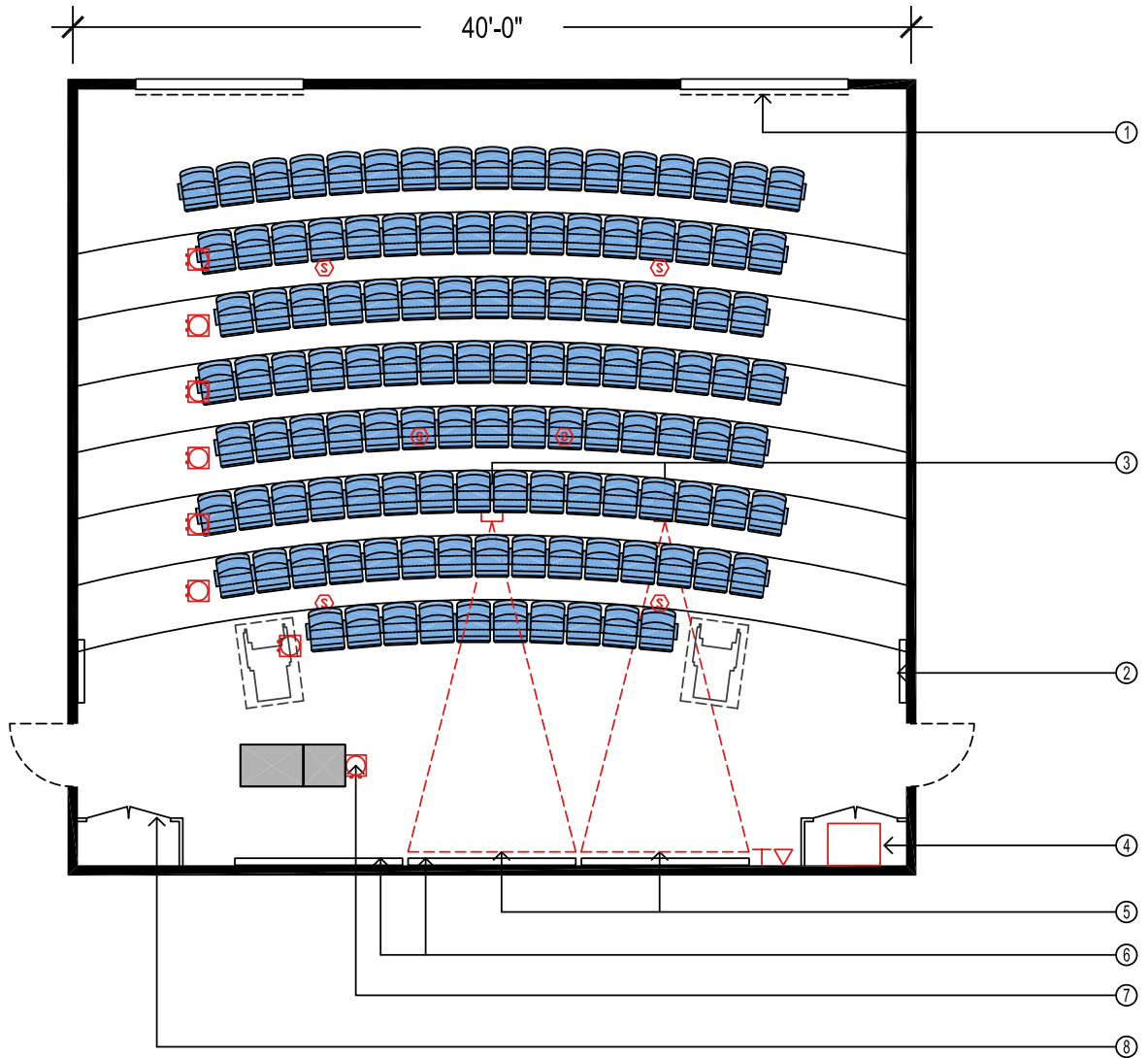
LEGEND

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|---|--|-----------------------|
| ① CEILING LOUDSPEAKERS  | ⑥ PROJECTION SCREEN 4'-6" X 8'-0"                          | Ⓢ CEILING SPEAKERS    |
| ② BLACKOUT SHADES AT EXTERNAL WINDOWS   | ⑦ WHITEBOARD   | □ FLOOR BOX           |
| ③ BULLETIN BOARD  | ⑧ FLUSH MOUNT AV / DATA FLOOR BOX FOR LECTERN CONNECTIVITY | T SCREEN CONTROL      |
| ④ VIDEO/DATA PROJECTION WITH NETWORK CONNECTIVITY (BUILT-IN READY TO UTILIZE)       | ⑨ LOCKABLE STORAGE CABINET                                 | ▽ MICROPHONE RECEIVER |
| ⑤ AUDIO VISUAL EQUIPMENT RACK CONCEALED WITHIN CASEWORK (DATA/NETWORK CONNECTIVITY) |  |                       |

NOTE: ZONED LIGHTING WITH FRONT/BACK SWITCHING  
 BULLETIN BOARDS CAN BE MOVED TO SIDE OF CLASSROOM TO MAXIMIZE LENGTH OF WHITE BOARD



# LARGE LECTURE A (120 STUDENT STATIONS AT 12.5 SF/STATION: 1,500 SF)



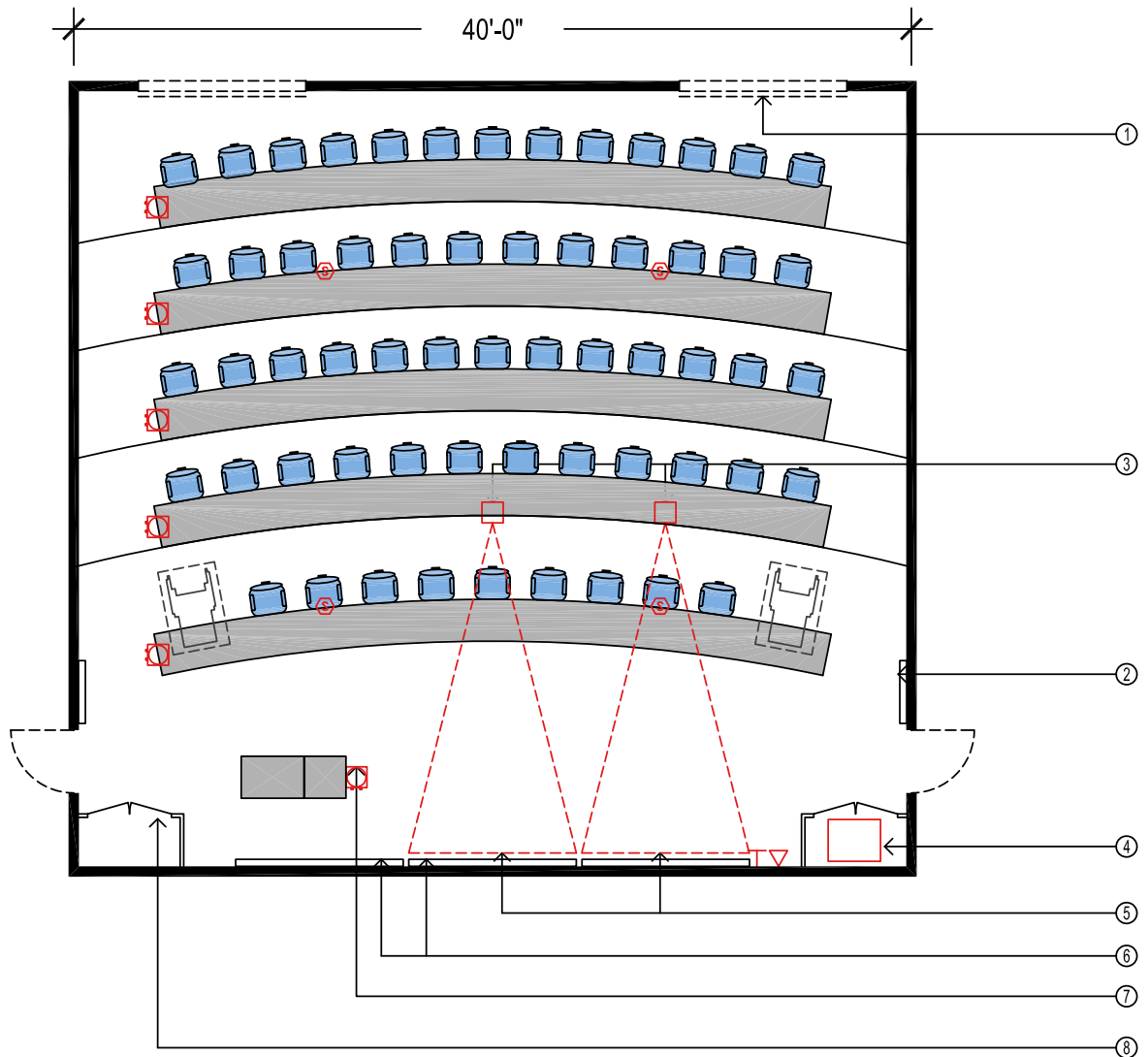
## LEGEND

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|--|--|---------------------|
| ① BLACKOUT SHADES AT EXTERNAL WINDOWS  | ⑥ WHITEBOARD   | CEILING SPEAKERS    |
| ② BULLETIN BOARD   | ⑦ FLUSH MOUNT AV / DATA FLOOR BOX FOR LECTERN CONNECTIVITY | FLOOR BOX           |
| ③ CEILING MOUNTED VIDEO/DATA PROJECTOR WITH NETWORK CONNECTIVITY (BUILT-IN READY TO UTILIZE) | ⑧ LOCKABLE STORAGE CABINET                                 | SCREEN CONTROL      |
| ④ AUDIO VISUAL EQUIPMENT RACK CONCEALED WITHIN CASEWORK (DATA/NETWORK CONNECTIVITY)          |  | MICROPHONE RECEIVER |
| ⑤ POWER RETRACTABLE PROJECTION SCREEN 4'-6" X 8'-0"  |  |                     |

NOTE: ZONED LIGHTING WITH FRONT/BACK SWITCHING; SEATING TIERS BUILT UP WITH DAMPENED METAL DECKS TO PROVIDE OPTION FOR FUTURE REMOVAL. MULTIPLE LEVEL SLIDING WHITE BOARDS CAN BE UTILIZED IN LARGE LECTURE ROOMS



# LARGE LECTURE B (61 STUDENT STATIONS AT 24.5 SF/STATION: 1,500 SF)



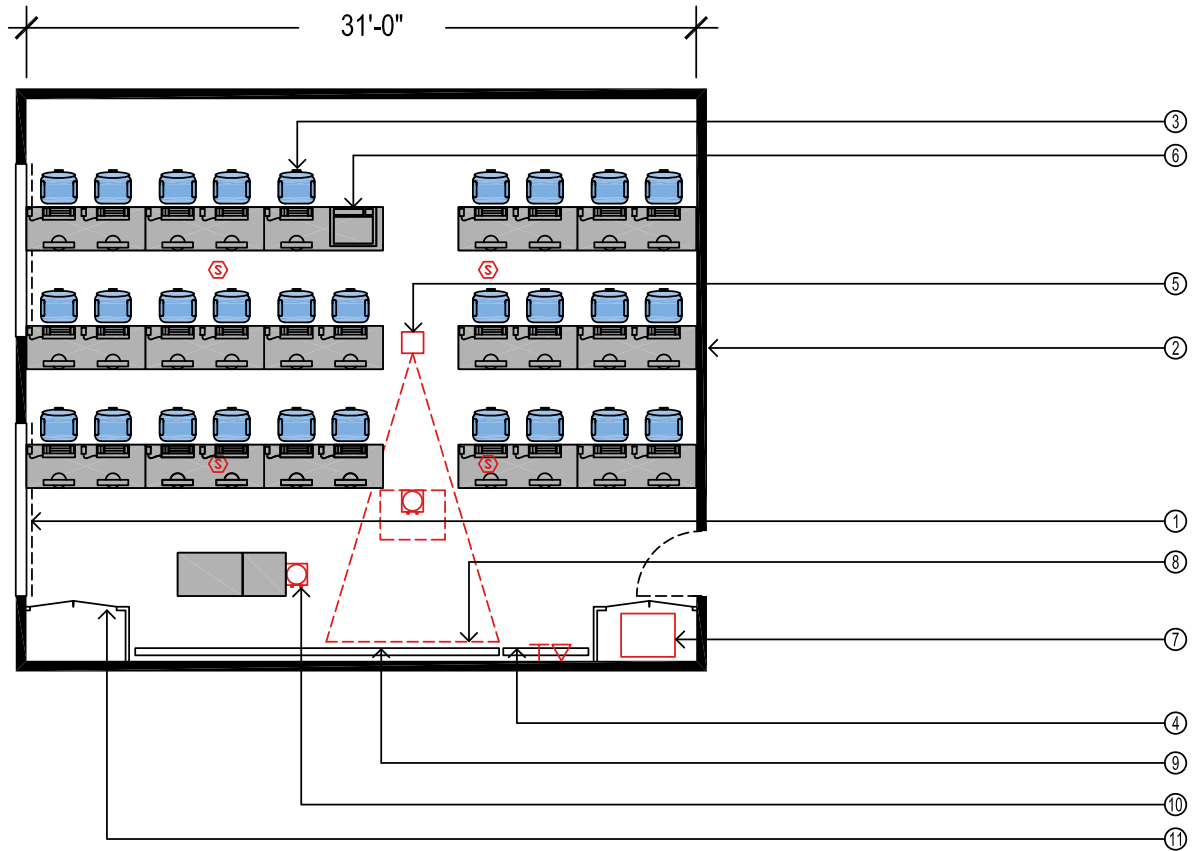
## LEGEND

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|--|--|---------------------|
| ① BLACKOUT SHADES AT EXTERNAL WINDOWS  | ⑥ WHITEBOARD   | CEILING SPEAKERS    |
| ② BULLETIN BOARD   | ⑦ FLUSH MOUNT AV / DATA FLOOR BOX FOR LECTERN CONNECTIVITY | FLOOR BOX           |
| ③ CEILING MOUNTED VIDEO/DATA PROJECTOR WITH NETWORK CONNECTIVITY (BUILT-IN READY TO UTILIZE) | ⑧ LOCKABLE STORAGE CABINET                                 | SCREEN CONTROL      |
| ④ AUDIO VISUAL EQUIPMENT RACK CONCEALED WITHIN CASEWORK (DATA/NETWORK CONNECTIVITY)          |  | MICROPHONE RECEIVER |
| ⑤ POWER RETRACTABLE PROJECTION SCREEN 4'-6" X 8'-0"  |  |                     |

NOTE: ZONED LIGHTING WITH FRONT/BACK SWITCHING; SEATING TIERS BUILT UP WITH DAMPENED METAL DECKS TO PROVIDE OPTION FOR FUTURE REMOVAL. MULTIPLE LEVEL SLIDING WHITE BOARDS CAN BE UTILIZED IN LARGE LECTURE ROOMS



SMALL COMPUTER LAB (29 STUDENT STATIONS AT 27.9 SF/STATION: 810 SF)



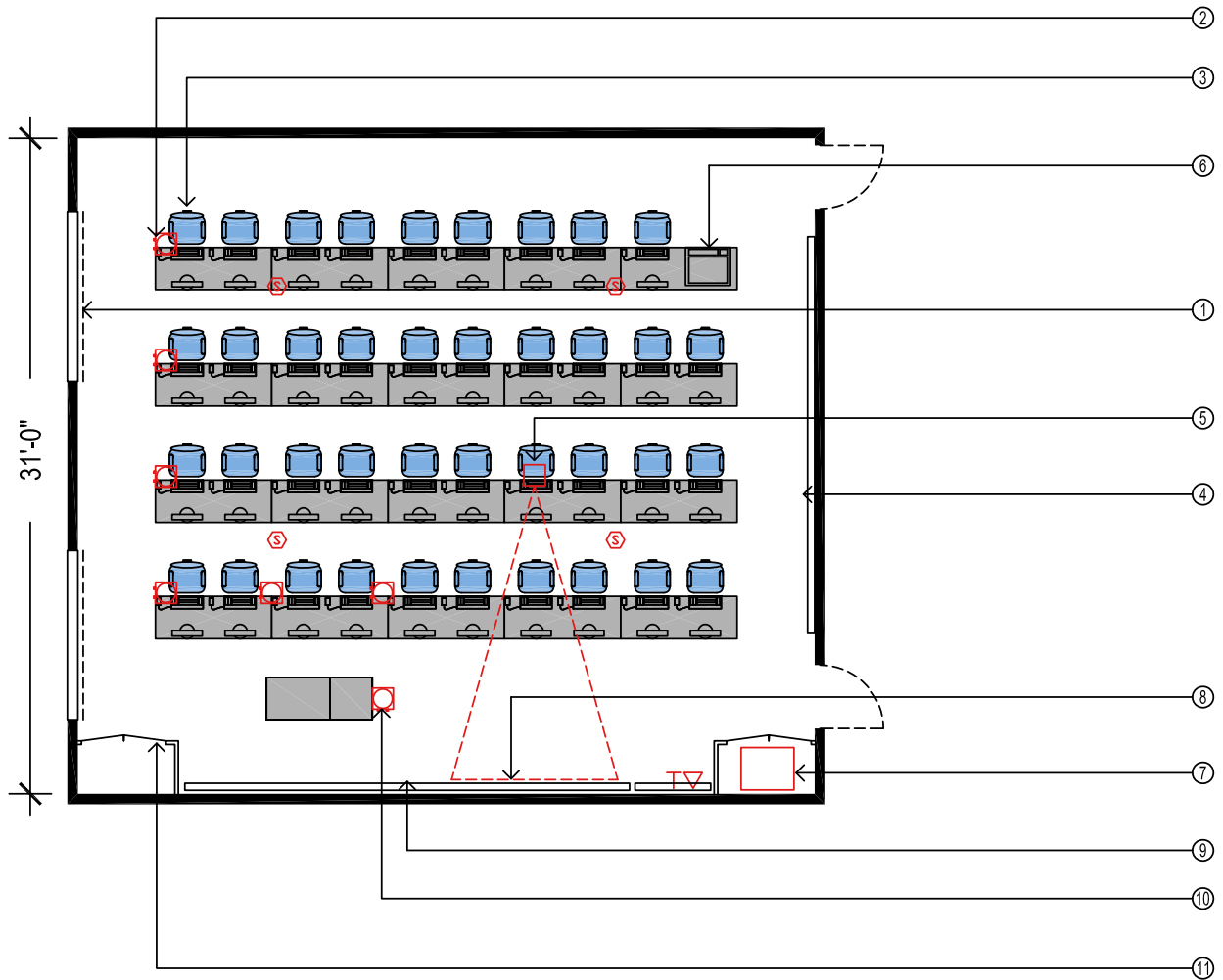
LEGEND

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|--|--|-----------------------|
| ① SHADES AT EXTERNAL WINDOWS   | ⑦ AUDIO VISUAL EQUIPMENT RACK                              | Ⓢ CEILING SPEAKERS    |
| ② POWER AND NETWORK CONNECTION AT EACH ROW   | ⑧ MOTORIZED PROJECTION SCREEN 4'-6" X 8'-0"                | Ⓛ FLOOR BOX           |
| ③ OPTIONAL INSTRUCTOR STATION  | ⑨ WHITEBOARD   | T SCREEN CONTROL      |
| ④ BULLETIN BOARD   | ⑩ FLUSH MOUNT AV / DATA FLOOR BOX FOR LECTERN CONNECTIVITY | ▽ MICROPHONE RECEIVER |
| ⑤ CEILING-MOUNTED VIDEO-DATA PROJECTOR W/ NETWORK CONNECTIVITY (BUILT-IN READY TO UTILIZE) | ⑪ LOCKABLE STORAGE CABINET                                 |                       |
| ⑥ PRINTER STATION  |  |                       |

NOTE: ZONED LIGHTING WITH FRONT/BACK SWITCHING  
 BULLETIN BOARDS CAN BE MOVED TO SIDE OF CLASSROOM TO MAXIMIZE LENGTH OF WHITE BOARD



MEDIUM COMPUTER LAB A (39 STUDENT STATIONS AT 27 SF/STATION: 1,080 SF)



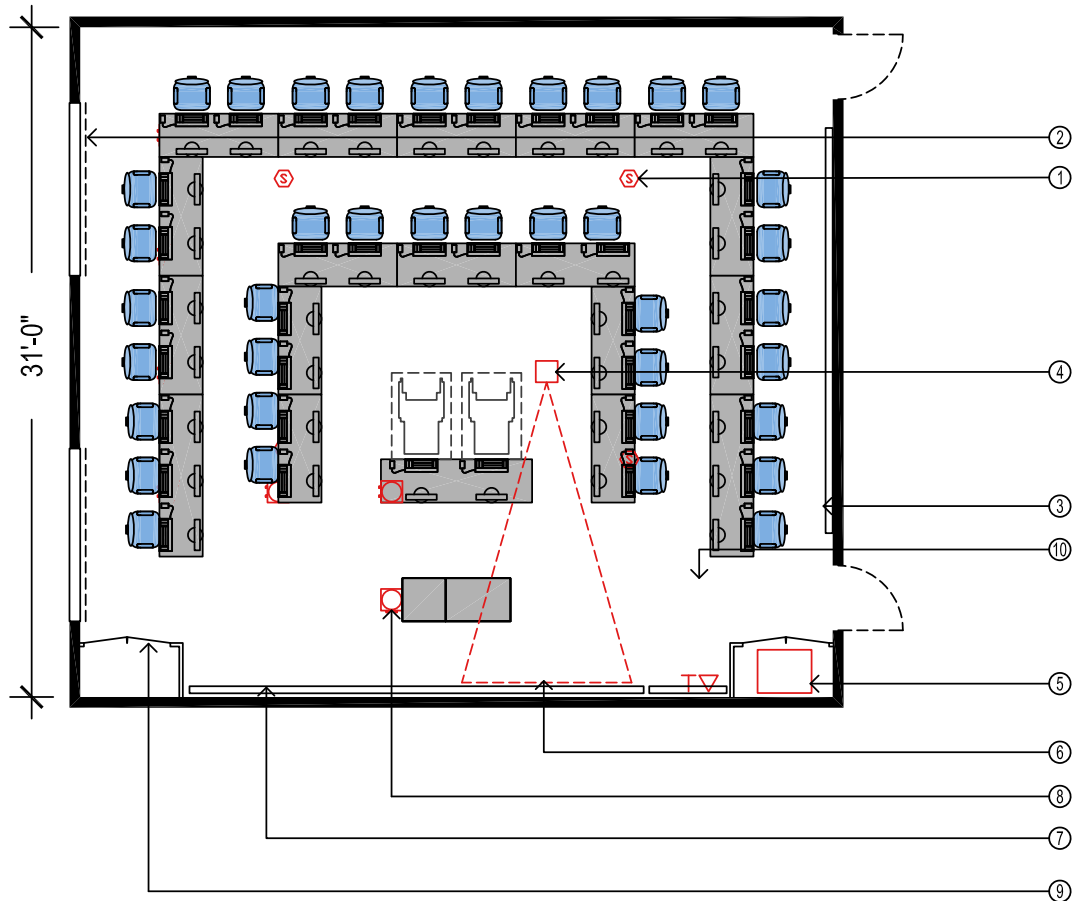
LEGEND

- |  |  |                       |
|--|--|-----------------------|
| ① SHADES AT EXTERNAL WINDOWS   | ⑦ AUDIO VISUAL EQUIPMENT RACK                              | Ⓢ CEILING SPEAKERS    |
| ② POWER AND NETWORK CONNECTION IN FLUSH FLOOR BOX AT EACH ROW                              | ⑧ MOTORIZED PROJECTION SCREEN 4'-6" X 8'-0"                | Ⓛ FLOOR BOX           |
| ③ OPTIONAL INSTRUCTOR STATION  | ⑨ WHITEBOARD   | T SCREEN CONTROL      |
| ④ BULLETIN BOARD   | ⑩ FLUSH MOUNT AV / DATA FLOOR BOX FOR LECTERN CONNECTIVITY | ▽ MICROPHONE RECEIVER |
| ⑤ CEILING-MOUNTED VIDEO-DATA PROJECTOR W/ NETWORK CONNECTIVITY (BUILT-IN READY TO UTILIZE) | ⑪ LOCKABLE STORAGE CABINET                                 |                       |
| ⑥ PRINTER STATION  |  |                       |

NOTE: ZONED LIGHTING WITH FRONT/BACK SWITCHING  
 BULLETIN BOARDS CAN BE MOVED TO SIDE OF CLASSROOM TO MAXIMIZE LENGTH OF WHITE BOARD



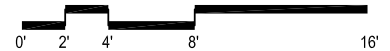
MEDIUM COMPUTER LAB B (40 STUDENT STATIONS AT 27 SF/STATION: 1,080 SF)



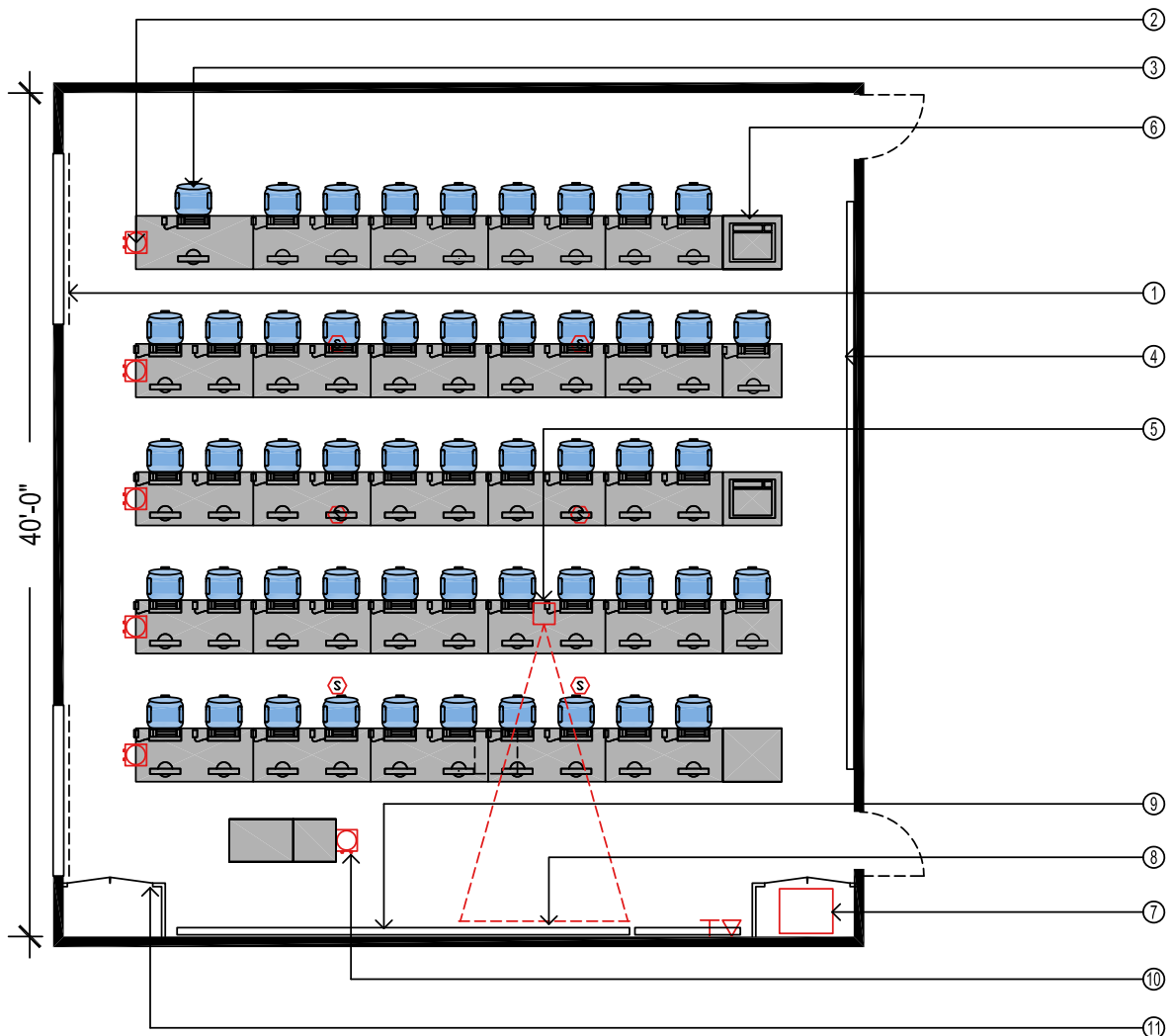
LEGEND

- |   |  |                       |
|---|--|-----------------------|
| ① CEILING LOUDSPEAKERS  | ⑥ PROJECTION SCREEN 4'-6" X 8'-0"                          | Ⓢ CEILING SPEAKERS    |
| ② BLACKOUT SHADES AT EXTERNAL WINDOWS   | ⑦ WHITEBOARD   | □ FLOOR BOX           |
| ③ BULLETIN BOARD  | ⑧ FLUSH MOUNT AV / DATA FLOOR BOX FOR LECTERN CONNECTIVITY | T SCREEN CONTROL      |
| ④ VIDEO/DATA PROJECTION WITH NETWORK CONNECTIVITY (BUILT-IN READY TO UTILIZE)       | ⑨ LOCKABLE STORAGE CABINET                                 | ▽ MICROPHONE RECEIVER |
| ⑤ AUDIO VISUAL EQUIPMENT RACK CONCEALED WITHIN CASEWORK (DATA/NETWORK CONNECTIVITY) | ⑩ REMOVABLE STAGE PLATFORM WITH ACCESS RAMP                |                       |

NOTE: ZONED LIGHTING WITH FRONT/BACK SWITCHING  
 BULLETIN BOARDS CAN BE MOVED TO SIDE OF CLASSROOM TO MAXIMIZE LENGTH OF WHITE BOARD



# LARGE COMPUTER LAB (50 STUDENT STATIONS AT 30 SF/STATION: 1,500 SF)



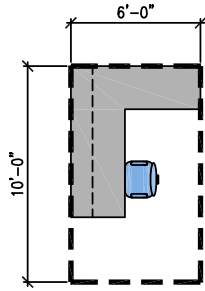
## LEGEND

- |  |  |                       |
|--|--|-----------------------|
| ① SHADES AT EXTERNAL WINDOWS   | ⑦ AUDIO VISUAL EQUIPMENT RACK                              | Ⓢ CEILING SPEAKERS    |
| ② POWER AND NETWORK CONNECTION IN FLUSH FLOOR BOX AT EACH ROW                              | ⑧ MOTORIZED PROJECTION SCREEN 4'-6" X 8'-0"                | ⓧ FLOOR BOX           |
| ③ OPTIONAL INSTRUCTOR STATION  | ⑨ WHITEBOARD   | T SCREEN CONTROL      |
| ④ BULLETIN BOARD   | ⑩ FLUSH MOUNT AV / DATA FLOOR BOX FOR LECTERN CONNECTIVITY | ▽ MICROPHONE RECEIVER |
| ⑤ CEILING-MOUNTED VIDEO-DATA PROJECTOR W/ NETWORK CONNECTIVITY (BUILT-IN READY TO UTILIZE) | ⑪ LOCKABLE STORAGE CABINET                                 |                       |
| ⑥ PRINTER STATION  |  |                       |

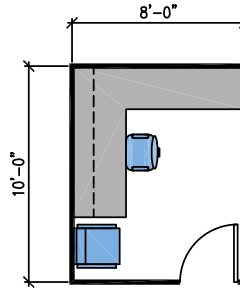
NOTE: ZONED LIGHTING WITH FRONT/BACK SWITCHING  
 MULTIPLE LEVEL SLIDING WHITE BOARDS CAN BE UTILIZED IN LARGE LECTURE ROOMS



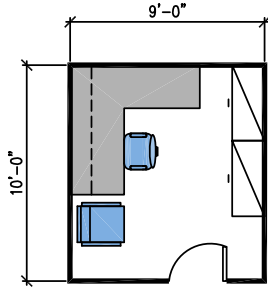
OPEN WORK STATION (60 SF)



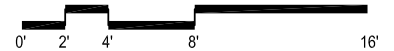
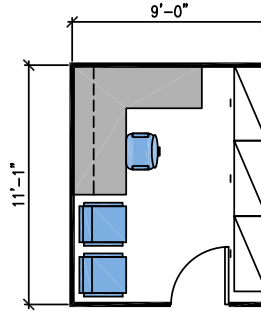
STAFF OFFICE (80 SF)



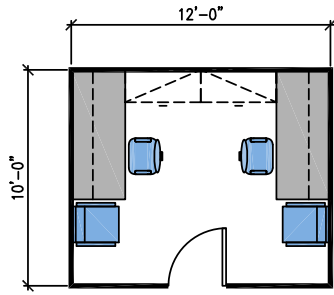
FULL-TIME FACULTY (90 SF)



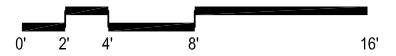
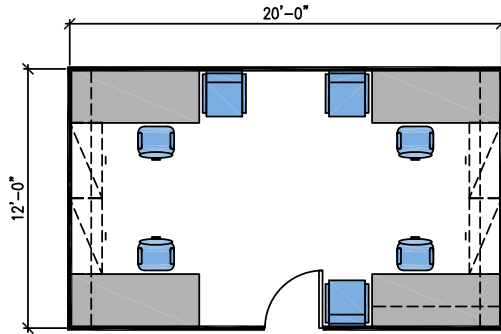
COUNSELOR (100 SF)



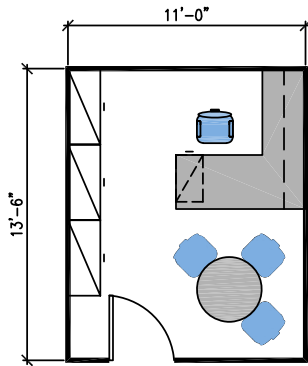
PART-TIME FACULTY (120 SF)



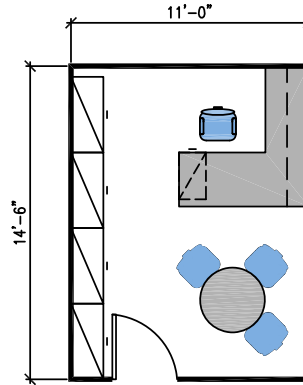
PART-TIME FACULTY (240 SF)



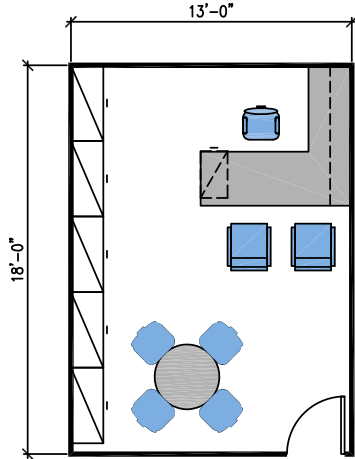
ASSOCIATE DEAN (140 SF)



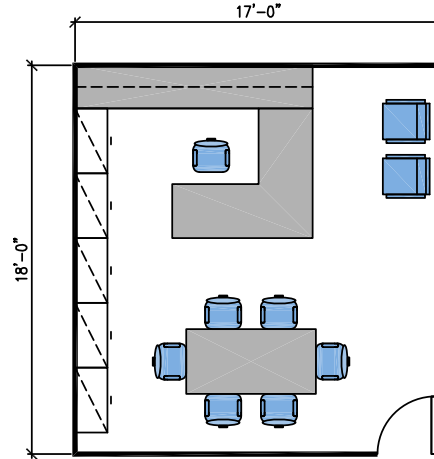
DEAN (160 SF)



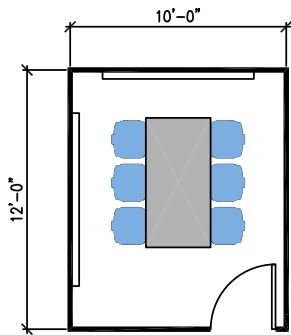
VICE PRESIDENT (240 SF)



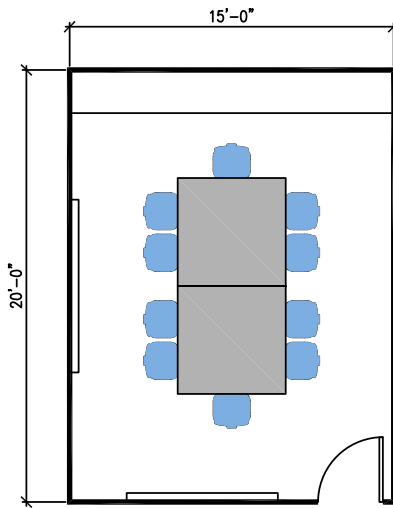
PRESIDENT (300 SF)



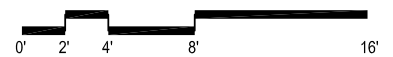
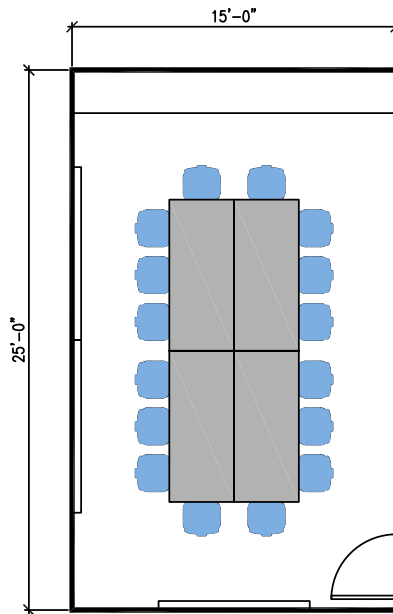
SMALL CONF (120 SF)



MEDIUM CONF (300 SF)



LARGE CONF (375 SF)





# 6 | ACKNOWLEDGMENTS

# TEAM

## *Master Plan Committee*

### CRAFTON HILLS COLLEGE

Gloria Macias Harrison, President  
Charlie Ng, Vice President, Administrative Services  
Virginia Moran, Director of Research and Planning  
Daniel Bahner, Academic Senate President  
Ted Philips, Coordinator of Technology Services  
Carlos Maldonado, Student Success Technician  
Eric Jorgensen, Student  
Edward Villa, Student

### SAN BERNARDINO COMMUNITY COLLEGE DISTRICT

Ray Eberhard, Executive Director of Facilities  
Laurens Thurman, Interim Executive Director of Facilities

### PILOT ENGINEERING

Glyn Echols, President  
Larry Howard, Project Manager  
Penny McGrew, Project Manager

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Donna Ferracone, Dean, Program Development  
June Yamamoto, Dean, Instruction & Workforce  
Jim Holbrook, Chair, Emergency Services  
Damaris Matthews, Director, Learning Center  
Mario Perez, Chair, Social Sciences  
Ralph Rabago, Chair, Health & Physical Education  
Jean Searle-Grassick, Chair, Child Development  
Lisa Shimeld, Chair, Biological Sciences  
Mark Snowwhite, Chair, Language Arts  
Sherri Wilson, Chair, Physical Sciences & Math  
Marc Wurmbbrand, Chair, Fine Arts

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Joe Cabrales, Director, Admissions & Records  
Kirsten Colvey, Dean, Student Services/Counseling & Matriculation  
Rejoice Chavira, Director, EOPS/CARE  
Judy Giacona, Director, Health & Wellness Center  
Marty Licerio, Director, DSP&S  
John Muskavitch, Director, Financial Aid

## *TECHNOLOGY SERVICES*

Wayne Bogh, Enterprise Network Specialist  
Gino Barabani, Department Network Specialist

## *ADMINISTRATIVE SERVICES*

Darryl Covino, Grounds Supervisor  
Steve Kelly, Maintenance Supervisor

## *CONSULTANTS*

Steinberg Architects – Architect  
Englekirk Partners Consulting Structural Engineers – Structural  
IBE Consulting Engineers – Mechanical, Electrical, Plumbing  
Snipes-Dye Associates – Civil Engineer  
Ah’be Landscape Architects – Landscape  
Davis Langdon – Cost  
Shen, Milsom & Wilke / Paoletti – Security  
Vantage Technology Consulting Group – Technology  
Aquatic Design Group, Inc – Pool  
Kaku Associates, Inc. – Traffic  
Davis Associates – Signage



# 7 | APPENDIX









