



Master Plan Update

Crafton Hills College

San Bernardino Community College District

October 2011



Master Plan Update

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1 | Summary

Summary

Overview

Crafton Hills College, in collaboration with Steinberg Architects, completed a comprehensive Facilities Master Plan in 2005 that served as the foundation for Bond Measure ‘P’ projects, priorities for State Funded projects, and justification for Bond Measure ‘M’. With the passage of Bond Measure ‘M’ in February 2008, the completion of the Crafton Hills College Educational Master Plan in May 2010, and the limited availability of state funds for capital projects, the 2005 Master Plan required an update to prioritize and define the next horizon as a tool to guide the college in completion of Measure ‘M’ projects.

This Master Plan Update is intended as a conceptual sketch which highlights the planning objectives and intent of the Master Plan Update Steering Committee. The final scope and design of each facility and site will be developed with more detailed study to be performed by a selected design team and a campus building committee.

Process

The master plan update process began in April 2011 with the selection of a Master Plan Steering Committee. Through a series of workshops, the group defined the goals and priorities for the master plan update as well as the prioritization of specific projects. A conceptual framework for future development was created and potential programs were generated in concert with the framework based on facility utilization and contemporary education space standards. The workshops addressed the priorities of the college community and the physical locations of projects and organized the results by project completion horizon. Horizon 1 was developed to represent the campus at the completion of Measure ‘M’ expenditures. A second horizon, Horizon 2, was developed as a guide to visualize the full build-out of the campus in the future.

The Master Plan Steering Committee met on the following dates:

- April 26, 2011- Workshop 1- Brainstorm- Influences, Ideals, Issues
- May 3, 2011- Workshop 2- Matrix of Influences and Issues
- May 10, 2011- Workshop 3- Prioritized Matrix Discussion/ Budget Introduction
- May 11, 2011- Staff Presentation Review
- June 21, 2011 - Workshop 4 - Utilization Scenarios
- June 28, 2011- Workshop 5- Programming: Science, Health Services
- July 7, 2011- Workshop 6 - Programming: Student Center, Student Services
- July 19, 2011- Workshop 7- Space Standards / Cost Estimate/ Master Plan Alternatives

Participants

CRAFTON HILLS COLLEGE

- | | |
|--------------------------|---------------------|
| • Monica Aguilar | • Debbie Bogh |
| • Karen Childers | • Larry Cook |
| • Tina Gimple | • Gloria Harrison |
| • Cheryl Marshall | • Damaris Matthews |
| • Scott Rippy | • Mike Strong |
| • Rebecca Warren Marlatt | • Christopher Walsh |
| • David Williams | • Keith Wurtz |

KITCHELL / BRJ / SEVILLE

- Geoff Bachanas
- Bruce McDonald
- Mark Newton
- Gary Weinstein

STEINBERG ARCHITECTS

- Gregory Cheng
- Ismar Enriquez
- David Freedman
- David Hart
- Jefferson Schierbeek
- John Wirfs

2 | Priorities / Analysis

Priorities / Analysis

Summary

In April of 2011 Crafton Hills College selected Steinberg Architects to develop a master plan update to revise the existing master plan given changes in funding and priorities. A series of workshops and meetings were conducted with the Master Plan Steering Committee that resulted in series of vision statements and corresponding project priorities for the master plan update.

In concert with the workshops and meetings, an instructional space utilization analysis was performed to guide decisions and formulate recommendations to improve efficiency. This analysis used Fall 2010 schedule data after the drop/add period.

A variety of scenarios were presented during the planning process with a strong emphasis on coalescing the college's educational goals, facility requirements and desires, and limitations of remaining bond funds. The scenario that best met the college's requirements was selected with the intent of formulating an implementation plan for development in the near future.

Priorities

The initial workshops focussed on identifying the vision and influences that would guide the master plan update process. The Master Plan Steering Committee generated the following vision statements:

- “Harvard on the hill”
- “Emerald jewel”
- Buildings shall be well-designed with quality spaces
- Campus should be standardized for students, ease of maintenance and cost
- To meet the college's stated goals we need:
 - » New science facility
 - » New one stop student center
 - » New OE-2 facility
- There should be:
 - » Equity in the programs
 - » Well re-purposed spaces
 - » Proper spaces result in better teaching
 - » 6-8 additional 40 seat classrooms
 - » Create a balance of new and old facilities
 - » No more ‘band-aid’ maintenance fixes

Workshops also identified the following influential forces on the master plan update:

- Students
- Sustainability
- Growth
- Operational Efficiency
- Educational Master Plan
- Qualities of Learning Environment
- Bond Language
- Opportunities / Grants

- Limitations / Threats / Risk

Through the interactive workshop process a series of project categories were generated and prioritized with the intent of further defining the specific projects as the process continued.

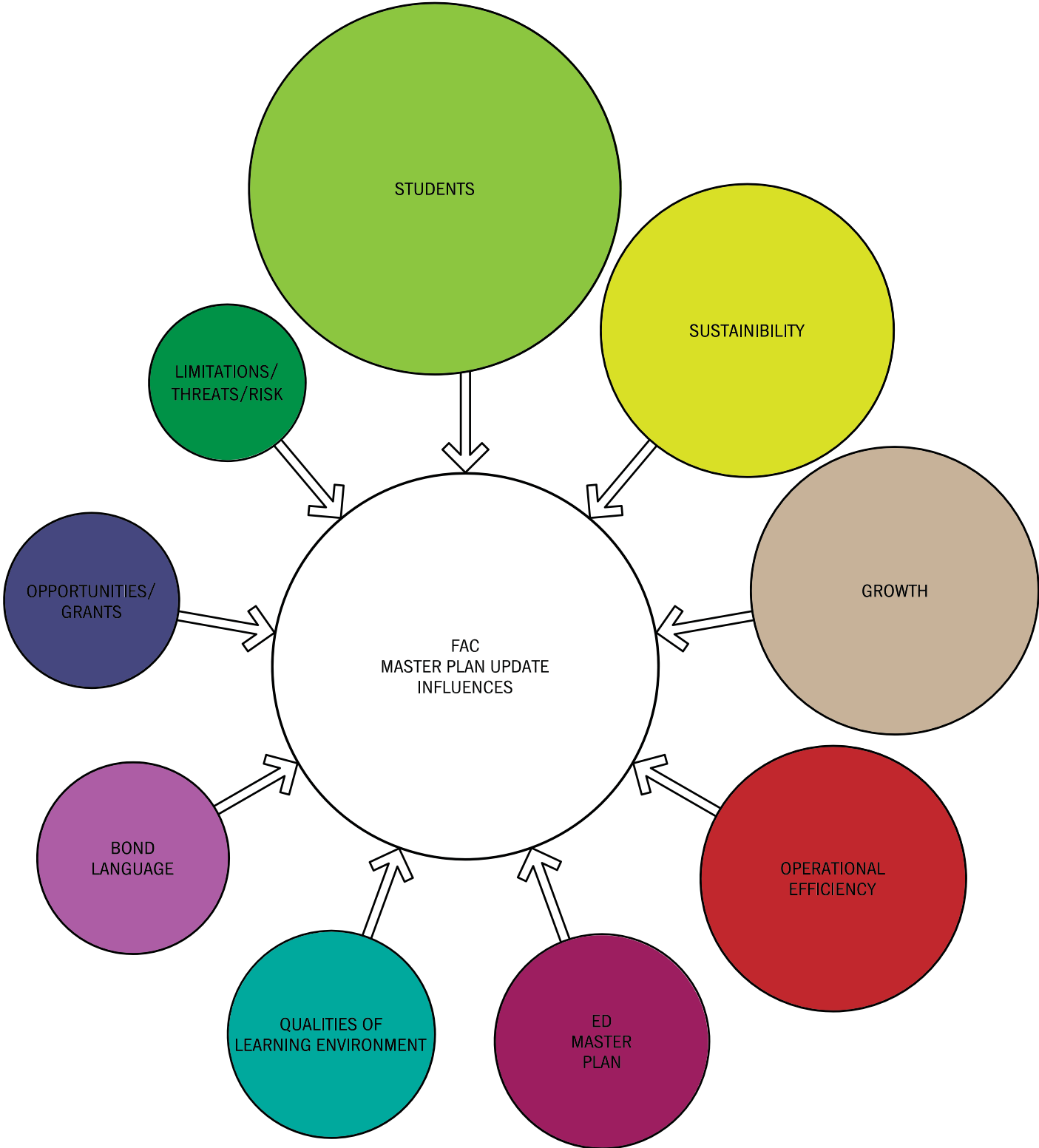
Analysis

Concurrent to the workshops, Steinberg undertook an analysis of the college's current teaching spaces and their utilization. Examining data from Fall 2010 enrollment, each of the lecture and lab spaces used on campus was quantified as to the intensity of use and by academic department. Using this information tool the Master Plan Steering Committee was better able to visualize the instructional usage of space on campus and inform decisions about the college's priority projects.

As the project definitions were defined and evaluated for cost implications, a series of scenarios were created to describe the various ways the college could move forward in meeting their goals. As project definitions were developed and cost incorporated into the analysis, the Master Plan Steering Committee arrived at a revised project list that met their goals and provided the beginnings of a plan for campus development through the remainder of Measure 'M'.

Revised Measure M Priority Project List

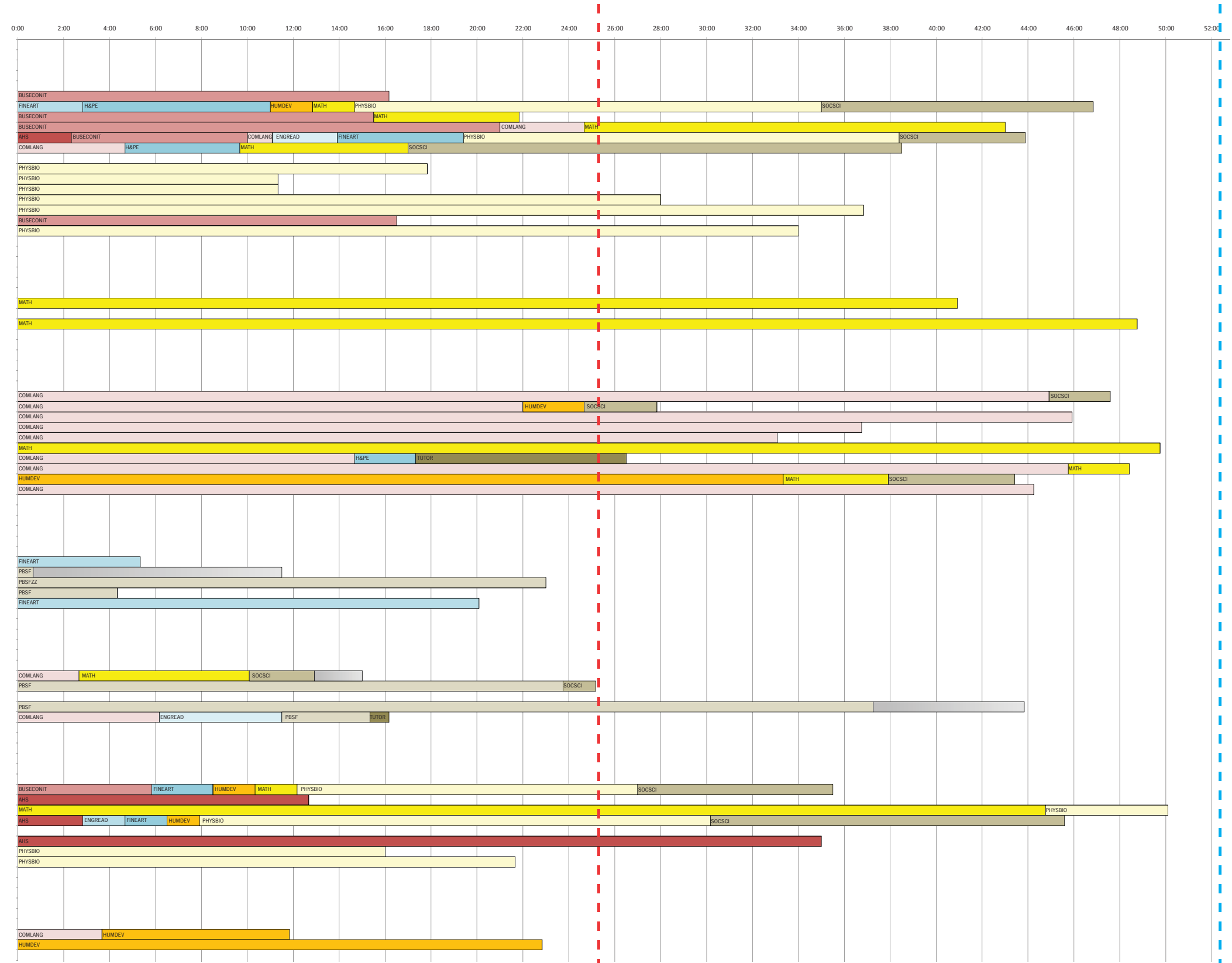
The result of the workshops was a Revised Measure 'M' Priority Project List, capturing the priorities and goals moving forward to the completion of Horizon 1.



Instructional Spaces Utilization

Based on Fall 2010 Data

Building	Room	Lecture Capacity	ASF	hrs/wk	Lab Capacity	ASF	hrs/wk	Bldg Ave hrs/wk	
1	Lab / Administration (LADM)		38	6,487	34.89	25	7,854	22.23	28.07
		6 lecture	ave. lec	total lec	ave lec	ave. lab	total lab	ave lab	
		7 lab	enroll	asf	hrs/wk	enroll	asf	hrs/wk	
		LADM101	30	1,300	16.13	-	-	-	
		LADM121	47	1,133	46.74	-	-	-	
		LADM216	20	1,063	21.82	-	-	-	
		LADM217	37	919	42.92	-	-	-	
		LADM224	57	1,131	43.82	-	-	-	
		LADM304	39	941	37.92	-	-	-	
		LADM106	-	-	-	31	1,177	17.80	
		LADM112	-	-	-	25	590	11.32	
	LADM115	-	-	-	17	1,303	11.32		
	LADM201	-	-	-	21	1,170	27.96		
	LADM211	-	-	-	26	1,172	36.79		
	LADM220	-	-	-	26	1,142	16.47		
	LADM225	-	-	-	30	1,340	33.96		
3	College Center (CC)		31	1,222	40.90	28	869	48.77	44.84
		1 lecture	ave. lec	total lec	ave lec	ave. lab	total lab	ave lab	
		1 lab	enroll	asf	hrs/wk	enroll	asf	hrs/wk	
	SCC201	31	1,222	40.90	-	-	-		
	SCC202	-	-	-	28	869	48.77		
5	Classroom (CL)		27	4,520	40.44				40.44
		10 lecture	ave. lec	total lec	ave lec	ave. lab	total lab	ave lab	
		0 lab	enroll	asf	hrs/wk	enroll	asf	hrs/wk	
		CL106	31	625	48.58	-	-	-	
		CL107	19	372	27.78	-	-	-	
		CL108	22	371	45.92	-	-	-	
		CL109	22	374	36.77	-	-	-	
		CL110	20	377	33.11	-	-	-	
		CL111	32	625	49.74	-	-	-	
		CL216	21	382	26.44	-	-	-	
		CL217	25	384	48.41	-	-	-	
	CL218	48	625	43.41	-	-	-		
	CL219	32	385	44.26	-	-	-		
6	Occupational Education #1 (OE1)		0			29	4,056	10.67	10.67
		0 lecture	ave. lec	total lec	ave lec	ave. lab	total lab	ave lab	
		5 lab	enroll	asf	hrs/wk	enroll	asf	hrs/wk	
		OE1101	-	-	-	29	1,192	5.32	
		OE1120	-	-	-	49	836	0.66	
		OE1127	-	-	-	27	836	22.98	
	OE1128	-	-	-	16	429	4.29		
	OE1130	-	-	-	25	1,192	20.10		
7	Occupational Education #2 (OE2)		29	1,496	19.02	25	1,996	26.69	22.85
		2 lecture	ave. lec	total lec	ave lec	ave. lab	total lab	ave lab	
		2 lab	enroll	asf	hrs/wk	enroll	asf	hrs/wk	
		OE2214A	30	722	12.90	-	-	-	
		OE2214C	28	774	25.13	-	-	-	
	OE2205	-	-	-	25	1,510	37.25		
	OE2216	-	-	-	24	486	16.13		
12	Chemistry Health Science (CHS)		43	3,950	35.92	27	5,605	24.19	30.90
		4 lecture	ave. lec	total lec	ave lec	ave. lab	total lab	ave lab	
		3 lab	enroll	asf	hrs/wk	enroll	asf	hrs/wk	
		CHS122	54	1,118	35.42	-	-	-	
		CHS127	31	820	12.64	-	-	-	
		CHS237	33	886	50.07	-	-	-	
	CHS242	53	1,126	45.56	-	-	-		
	CHS123	-	-	-	29	1,687	34.96		
	CHS232	-	-	-	29	1,959	15.98		
	CHS238	-	-	-	24	1,959	21.64		
13	Child Development Center (CDC)		33	1,345	17.30	0			17.30
		2 lecture	ave. lec	total lec	ave lec	ave. lab	total lab	ave lab	
	0 lab	enroll	asf	hrs/wk	enroll	asf	hrs/wk		
	CDC106	29	553	11.81	-	-	-		
	CDC115	37	792	22.79	-	-	-		

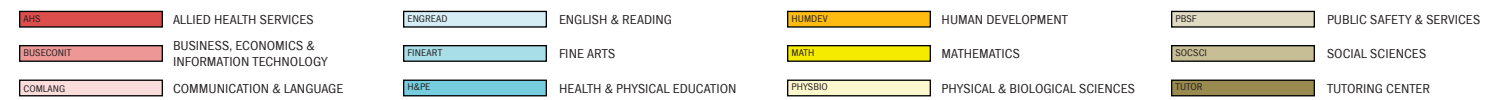
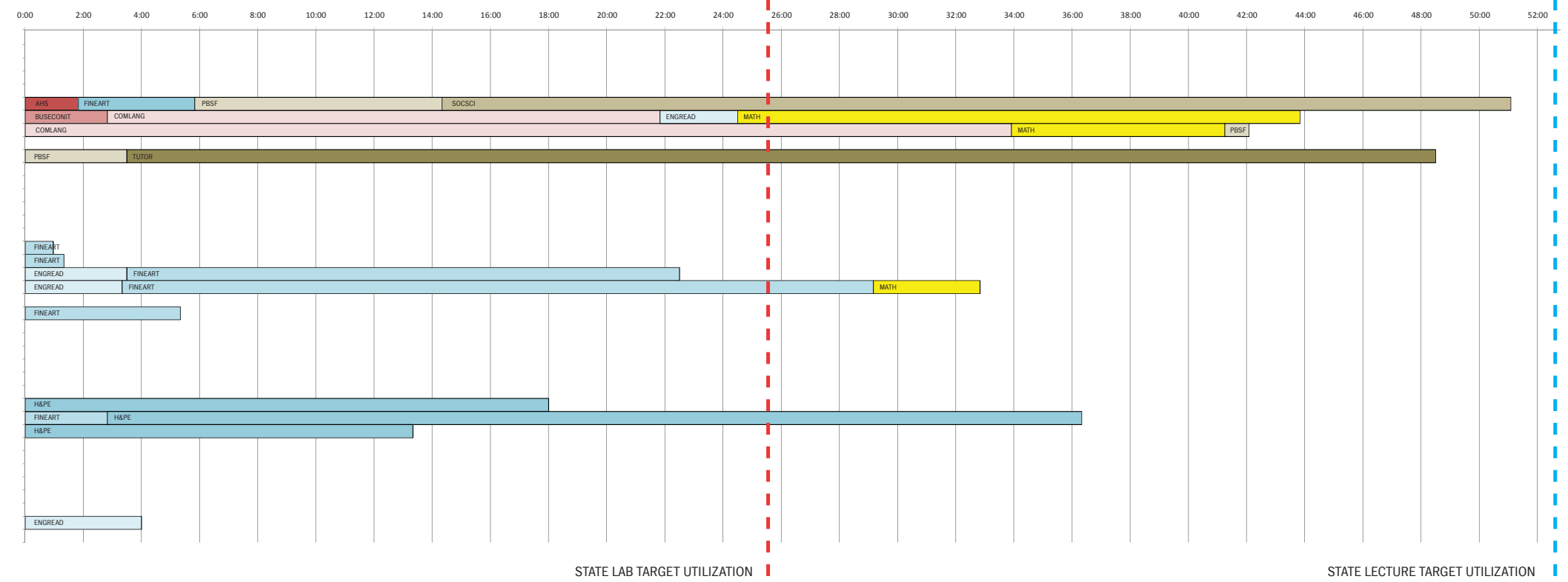


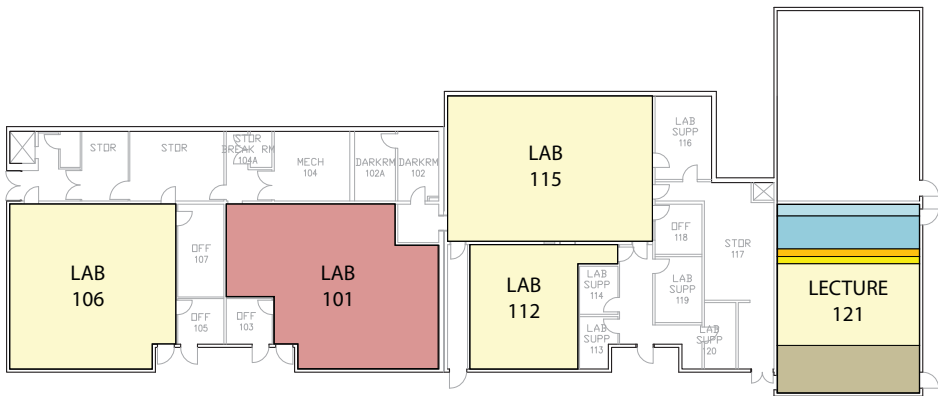
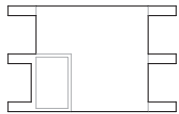
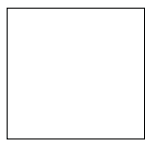
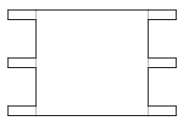
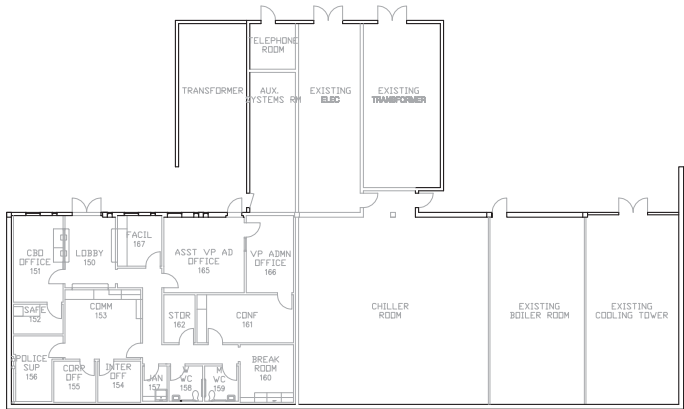
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Instructional Spaces Utilization

Based on Fall 2010 Data

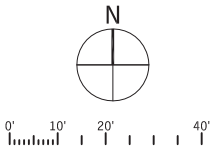
Building	Room	Lecture Capacity	ASF	hrs/wk	Lab Capacity	ASF	hrs/wk	Bldg Ave hrs/wk
18 Bookstore Complex (BC)	3 lecture	40	2,336	45.62	29	772	48.46	46.33
	1 lab							
	BC101	60	1,040	51.07	-	-	-	
	BC105	28	648	43.75	-	-	-	
	BC106	32	648	42.03	-	-	-	
	BC104	-	-	-	29	772	48.46	
8 Performing Arts Center	4 lecture	25	0	14.90	19	0	5.33	12.99
	1 lab							
	PAC101	17	-	0.97	-	-	-	
	PAC219	22	-	1.33	-	-	-	
	PAC308	37	-	24.50	-	-	-	
	PAC309	25	-	32.83	-	-	-	
	PAC225	-	-	-	19	-	5.33	
10 Gymnasium	0 lecture		0		29	0	22.55	22.55
	3 lab							
	GYM001	-	-	-	33	-	17.99	
	GYM101E	-	-	-	37	-	36.32	
	GYM101W	-	-	-	18	-	13.33	
39 Learning Resource Center	1 lecture	23	0	4.00	0			4.00
	0 lab							
	LRC208	23	-	4.00	-	-	-	

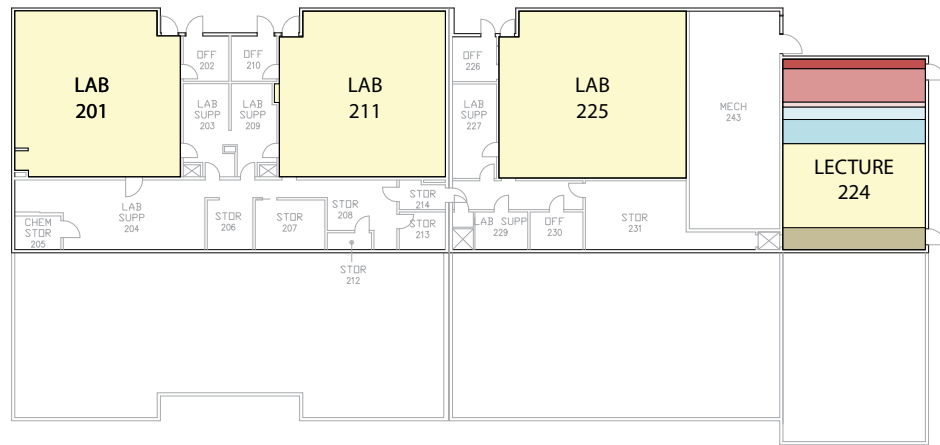
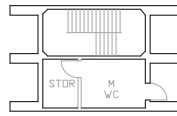
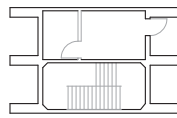
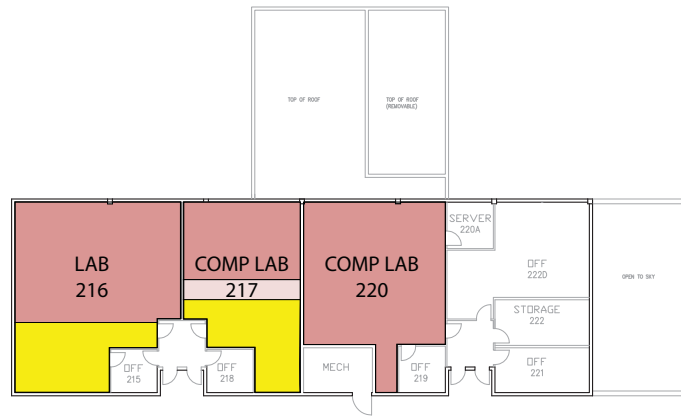




L/Admin - First Floor Utilization Plan

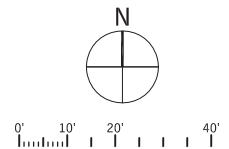
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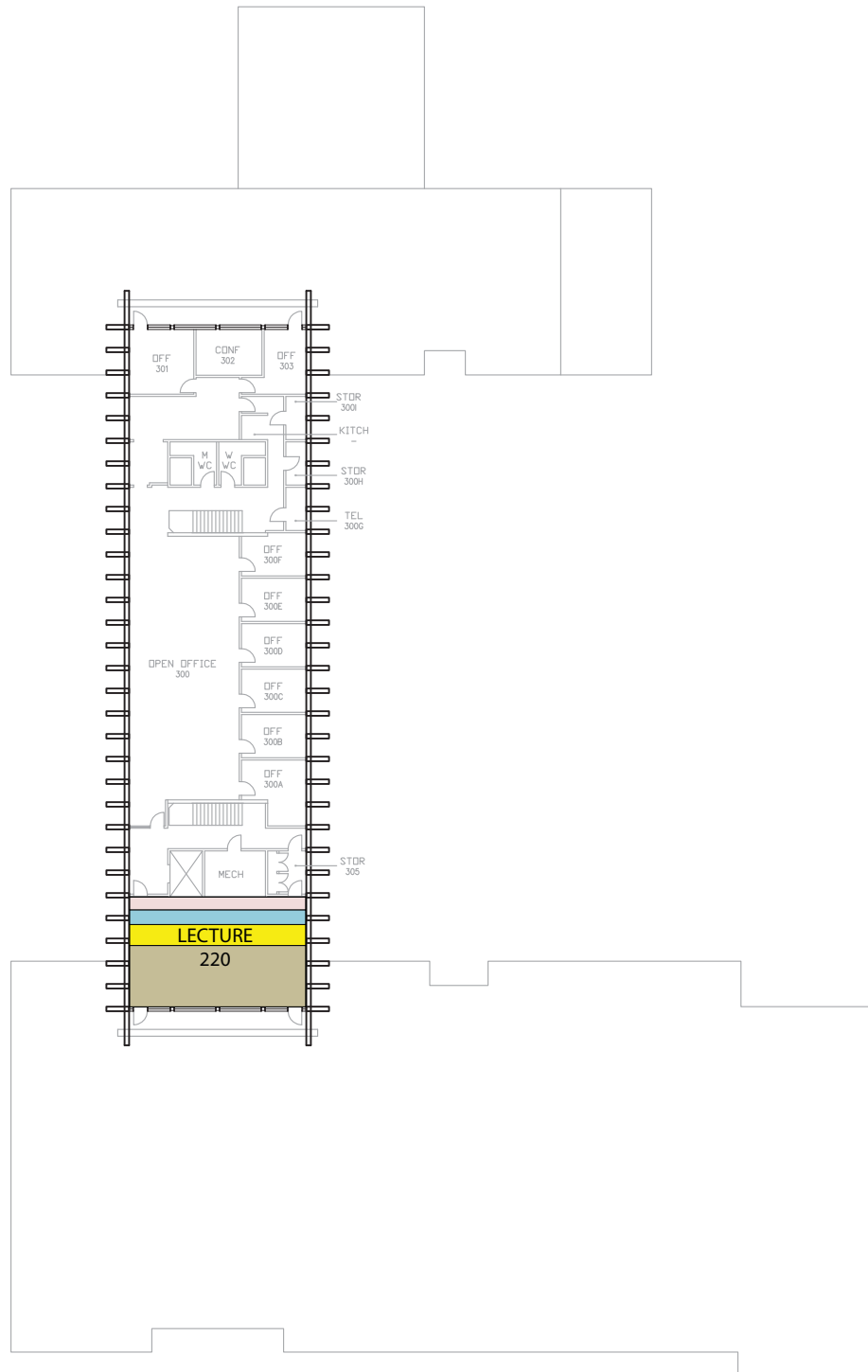




L/Admin - Second Floor Utilization Plan

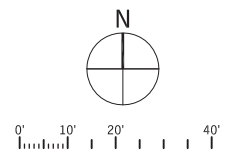
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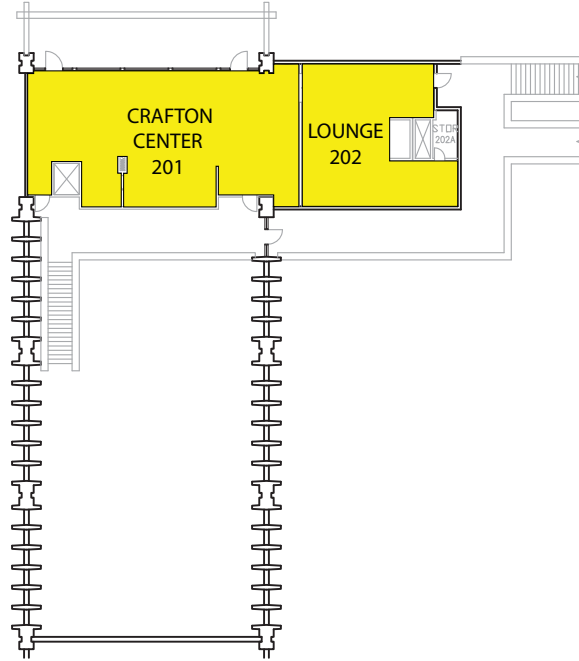




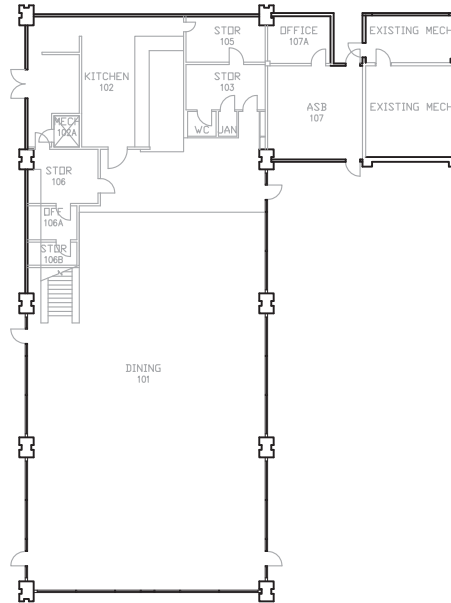
L/Admin - Third Floor Utilization Plan

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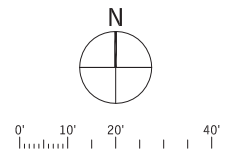


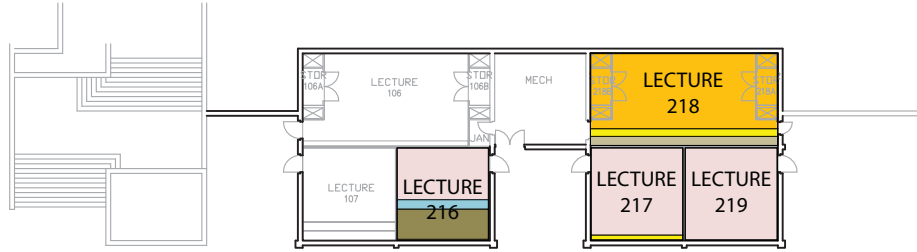
College Center - Second Floor Plan



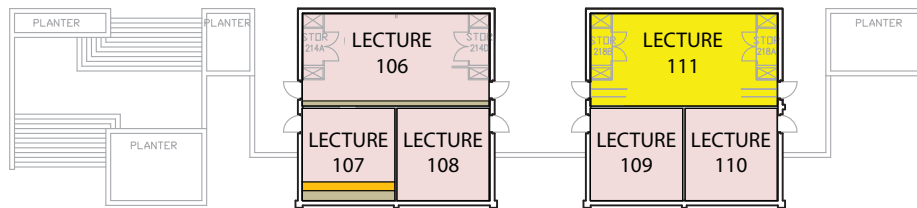
College Center - First Floor Utilization Plan

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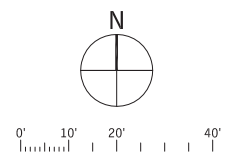


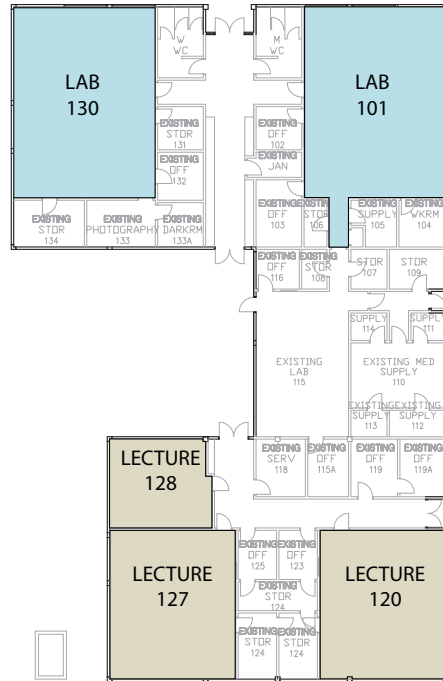
Classroom Building - Second Floor Plan



Classroom Building - First Floor Utilization Plan

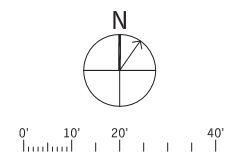
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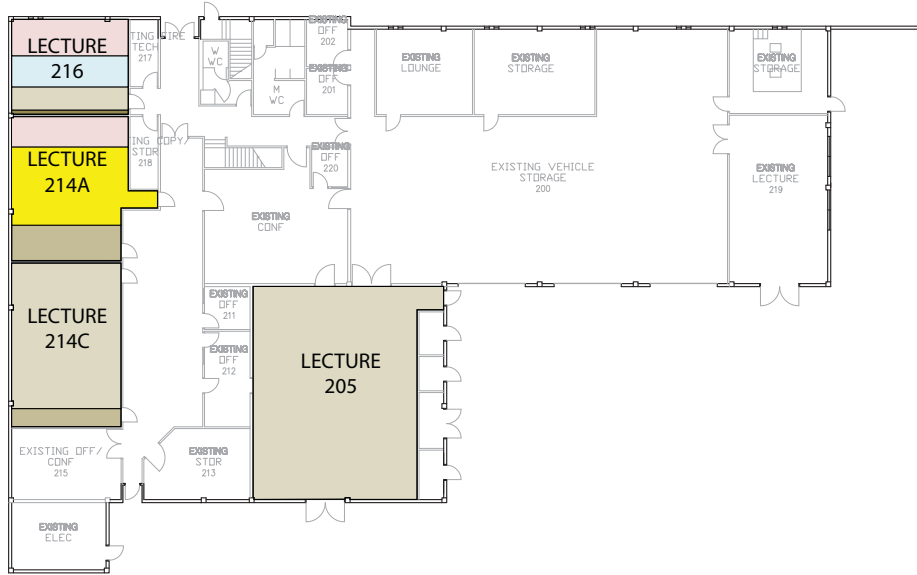




Occupational Education #1 - First Floor Utilization Plan

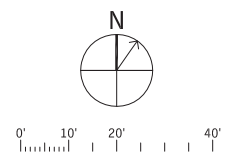
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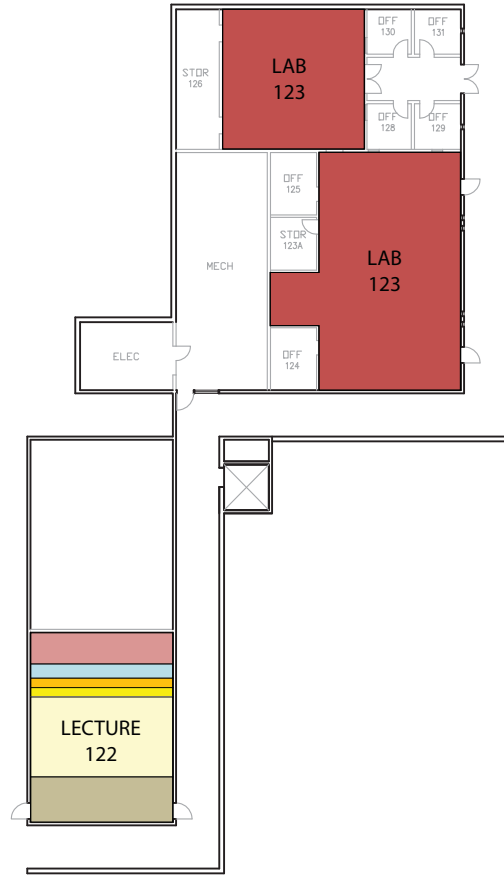




Occupational Education #2 - First Floor Utilization Plan

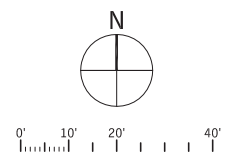
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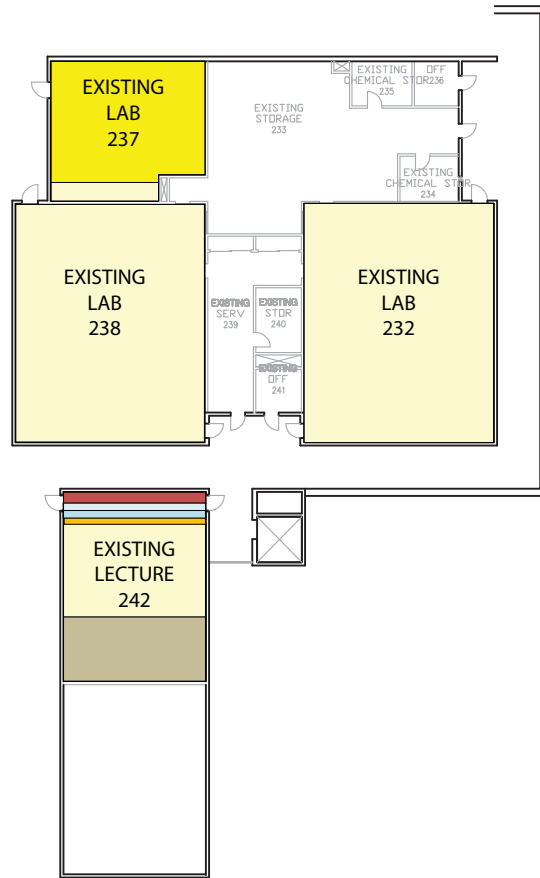




Chemistry Health Sciences - First Floor Utilization Plan

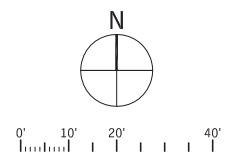
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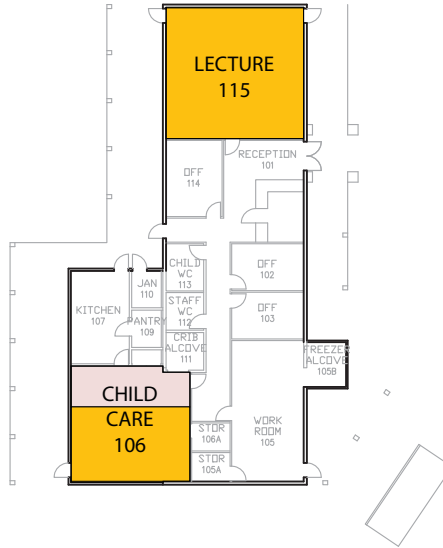




Chemistry Health Sciences - Second Floor Utilization Plan

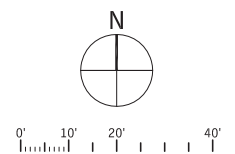
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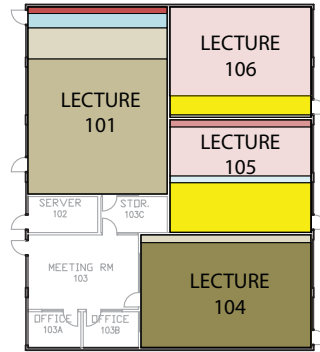




Child Development Center - First Floor Utilization Plan

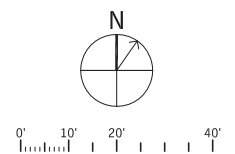
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Bookstore Complex - First Floor Utilization Plan

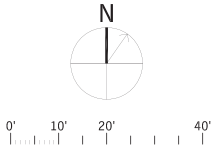
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| ALLIED HEALTH SERVICES | ENGLISH & READING | HUMAN DEVELOPMENT | PUBLIC SAFETY & SERVICES |
| BUSINESS, ECONOMICS & INFORMATION TECHNOLOGY | FINE ARTS | MATHEMATICS | SOCIAL SCIENCES |
| COMMUNICATION & LANGUAGE | HEALTH & PHYSICAL EDUCATION | PHYSICAL & BIOLOGICAL SCIENCES | TUTORING CENTER |

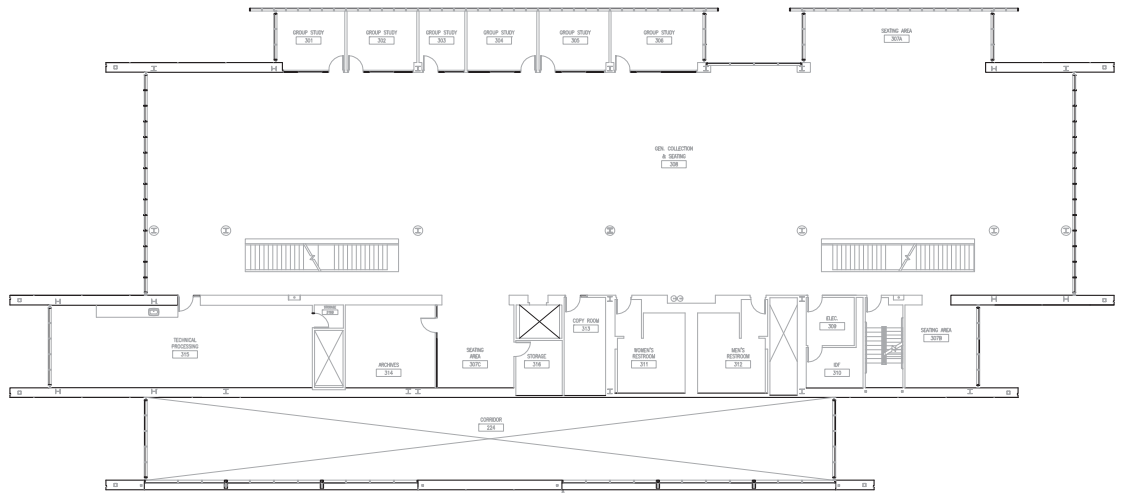




Learning Resource Center - Second Floor Utilization Plan

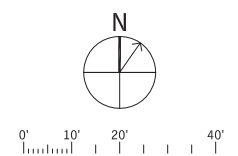
- ALLIED HEALTH SERVICES
- ENGLISH & READING
- HUMAN DEVELOPMENT
- PUBLIC SAFETY & SERVICES
- BUSINESS, ECONOMICS & INFORMATION TECHNOLOGY
- FINE ARTS
- MATHEMATICS
- SOCIAL SCIENCES
- COMMUNICATION & LANGUAGE
- HEALTH & PHYSICAL EDUCATION
- PHYSICAL & BIOLOGICAL SCIENCES
- TUTORING CENTER

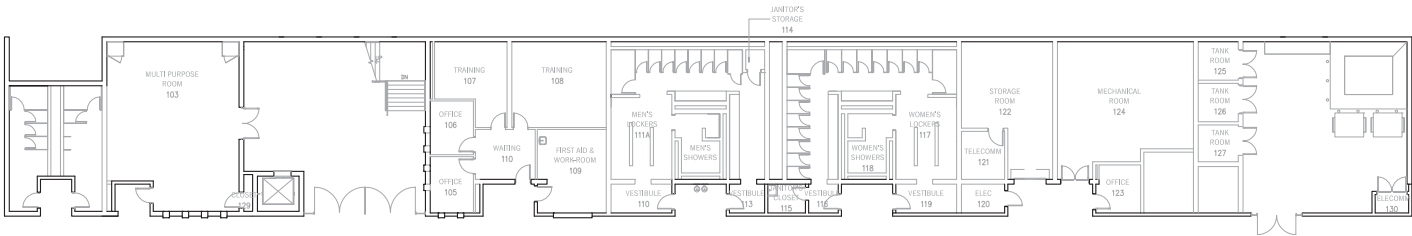




Learning Resource Center - Third Floor Utilization Plan

- | | | | |
|--|---|--|--|
| ALLIED HEALTH SERVICES | ENGLISH & READING | HUMAN DEVELOPMENT | PUBLIC SAFETY & SERVICES |
| BUSINESS, ECONOMICS & INFORMATION TECHNOLOGY | FINE ARTS | MATHEMATICS | SOCIAL SCIENCES |
| COMMUNICATION & LANGUAGE | HEALTH & PHYSICAL EDUCATION | PHYSICAL & BIOLOGICAL SCIENCES | TUTORING CENTER |

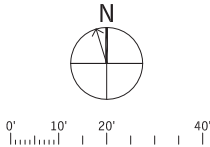




* No Fall 2010 Schedule Data

Aquatic Center - First Floor Utilization Plan

- | | | | |
|--|---|--|--|
| ALLIED HEALTH SERVICES | ENGLISH & READING | HUMAN DEVELOPMENT | PUBLIC SAFETY & SERVICES |
| BUSINESS, ECONOMICS & INFORMATION TECHNOLOGY | FINE ARTS | MATHEMATICS | SOCIAL SCIENCES |
| COMMUNICATION & LANGUAGE | HEALTH & PHYSICAL EDUCATION | PHYSICAL & BIOLOGICAL SCIENCES | TUTORING CENTER |

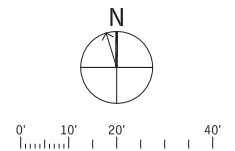


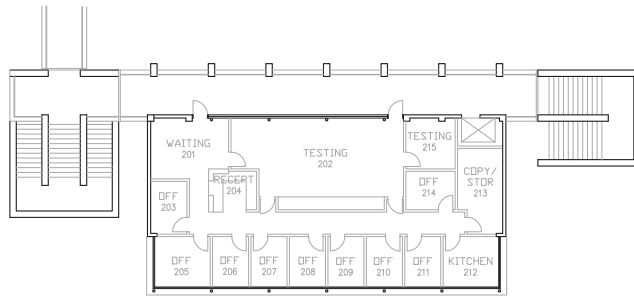


* No Fall 2010 Schedule Data

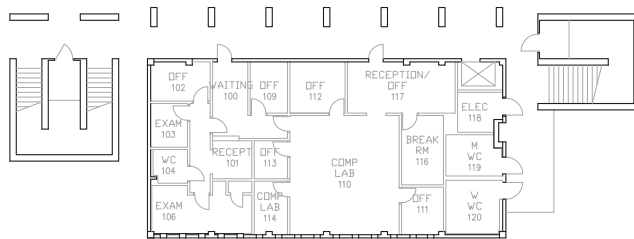
Science Lab Modular Building - First Floor Utilization Plan

- | | | | |
|--|---|--|--|
| ALLIED HEALTH SERVICES | ENGLISH & READING | HUMAN DEVELOPMENT | PUBLIC SAFETY & SERVICES |
| BUSINESS, ECONOMICS & INFORMATION TECHNOLOGY | FINE ARTS | MATHEMATICS | SOCIAL SCIENCES |
| COMMUNICATION & LANGUAGE | HEALTH & PHYSICAL EDUCATION | PHYSICAL & BIOLOGICAL SCIENCES | TUTORING CENTER |



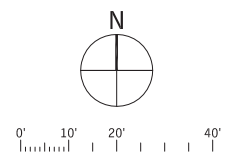


Student Services B - Second Floor Utilization Plan



Student Services B - First Floor Utilization Plan

- | | | | |
|--|---|--|--|
| ALLIED HEALTH SERVICES | ENGLISH & READING | HUMAN DEVELOPMENT | PUBLIC SAFETY & SERVICES |
| BUSINESS, ECONOMICS & INFORMATION TECHNOLOGY | FINE ARTS | MATHEMATICS | SOCIAL SCIENCES |
| COMMUNICATION & LANGUAGE | HEALTH & PHYSICAL EDUCATION | PHYSICAL & BIOLOGICAL SCIENCES | TUTORING CENTER |



CRAFTON HILLS COLLEGE
MASTER PLAN UPDATE: MEASURE M PRIORITY PROJECT LIST

10/05/11

BUILDING	WORK SCOPE DESCRIPTION	Existing		Proposed		ASF	GSF
		LEC	LAB	LEC	LAB		
NEW CONSTRUCTION							
SCIENCE BUILDING	NEW LECTURE/LAB			2	8	19,300	29,692
OE-2	REPLACEMENT FOR (E) OE2			6	6	22,168	33,087
PHYSICAL EDUCATION	NEW APPROPRIATELY SIZED FACILITY			-	4	7,900	9,875
CRAFTON CENTER	STUDENT SERVICES, ADMINISTRATION, HEALTH CENTER, BOOKSTORE, FOOD SERVICE			-	-	25,956	39,932
NEW CONSTRUCTION SUBTOTAL				8	18	75,324	112,586
RENOVATION							
LADM: BRIDGE	SEISMIC UPGRADE, RENOVATE EXISTING SPACE INTO LECTURE ROOMS	1	-	4	-	3,665	6,035
STUDENT SERVICES A	SEISMIC UPGRADE, RENOVATE FACILITIES FOR OFFICE/CONFERENCE	-	-	-	-	4,773	9,970
COLLEGE CENTER	SEISMIC UPGRADE, RENOVATE FACILITIES FOR LECTURE, FINE ART	1	1	1	2	8,245	8,560
PAC (PERFORMING ARTS CENTER)	SEISMIC UPGRADE, RENOVATE FACILITIES	4	1	4	1	15,736	29,851
LADM: LABS, OFFICES & LECTURE (N&S)	RENOVATE FACILITIES FOR LECTURE, OFFICE, EXPAND POLICE	5	7	6	5	20,255	32,170
CHEMISTRY	RENOVATE FACILITIES FOR LECTURE/LAB/OFFICE	4	3	2	5	12,776	17,238
CLASSROOM BUILDING	RENOVATE EXISTING LECTURE ROOM CONFIGURATION	10	-	6	-	5,816	6,800
STUDENT SERVICES B	RENOVATE FACILITIES	-	-	1	-	4,194	5,575
RENOVATION SUBTOTAL				25	12	75,460	116,199
MODULAR BUILDINGS RENOVATION							
BOOKSTORE	RELOCATE TO M&O	-	-	-	-	4,647	5,760
M & O / STORAGE	INSTALL BOOKSTORE MODULAR, RENOVATE FACILITIES FOR STORAGE	-	-	-	-	5,827	6,400
MODULAR RENOVATION SUBTOTAL				-	-	10,474	12,160
INFRASTRUCTURE							
ELECT CIRCUIT "A"	BUILDING CONTROLS, CENTRAL PLANT MODIFICATIONS						
PV ENERGY FARM	INSTALL PHOTOVOLTAIC ARRAYS						
AQUATIC CENTER FACILITY ACCESS	PROVIDE ACCESSIBLE PATH TO AQUATICS CENTER						
CDC-1, 2, 3	RECONFIGURE VEHICLE/PED ACCESS FOR ADA COMPLIANCE						
DEMOLITION							
OE-2	DEMO	2	2			(12,295)	(15,730)
GYMNASIUM	DEMO	-	3			(22,428)	(27,250)
OE-1	DEMO	-	5			(7,627)	(9,842)
DEMO SUBTOTAL				2	10	(42,350)	(52,822)
MEASURE "M" TOTALS				32	31	118,908	188,123
BUILDINGS NOT INCLUDED IN MEASURE "M" PROJECTS							
LEARNING RESOURCE CENTER	NO ACTION	1	-	1	-	40,154	59,100
CDC-1, 2, 3	NO ACTION	2	-	2	-	5,654	9,010
AQUATIC CENTER	NO ACTION	-	1	-	1	3,522	8,474
BOOKSTORE CLASSROOM	NO ACTION	3	1	3	1	3,794	4,320
BUILDING O	NO ACTION	-	-	-	-	886	960
SCIENCE MODULAR	NO ACTION	-	2	-	2	4,445	5,780
MATH MODULAR	NO ACTION	2	-	2	-	2,754	2,754
SUBTOTAL				8	4	61,209	90,398
CAMPUS TOTALS				Existing	Proposed	ASF	GSF
				LEC	LAB		
				35	26	180,117	278,521

3 | Master Plan Update

Master Plan Update

Summary

The master plan update describes the future campus development given the college's current priorities and conclusions from the analysis of existing utilization and growth projections. It has been organized into two horizons and builds on the concepts and framework developed in the previous master plan. Horizon 1 illustrates the campus through the completion of Measure 'M' funds. Horizon 2 looks even further into the future and illustrates a potential full build-out scenario for the campus.

HORIZON 1

Horizon 1 illustrates the new buildings and proposed locations for the college through the use of remaining Measure 'M' funds. The Student Center, Occupational Education 2 Replacement, Physical Education/Athletics and Science Buildings are the new projects shown in the plan in addition to the renovation and relocation projects described in the Measure 'M' Priority Project List.

The Student Center was identified as a priority project and will bring together a select group of student services, college administration, food services and a welcome center. This project continues to establish a student services cluster and will provide a more efficient experience for the first time student and at the same time provide space for the ever changing student life experience.

The Occupational Education 2 Replacement will further the college's vision to be the premier community college for public safety and health services careers and transfer preparation by providing new facilities for the Public Safety & Service department as well as some of the Allied Health Services.

The Physical Education/Athletics Building will create a more efficient use of space for the Health & Physical Education department by providing updated and properly sized facilities for the programs offered while maintaining a strong health & physical education and community recreation cluster.

The Science Building will provide much needed up to date laboratory facilities for the Physical and Biological Sciences Department.

HORIZON 2

Horizon 2 illustrates an overall vision for the master plan with a full build-out of the campus. Expansion opportunities for existing programs and locations for yet to be programmed buildings are identified in addition to the two parking structures. This plan will be realized as enrollments increase and funds become available in the future.



NO.	BUILDING NAME
1	LAB/ADMIN
2	LIBRARY
3	COLLEGE CENTER
4	STUDENT SERVICES A
5	CLASSROOM BUILDING
6	OCCUPATIONAL ED 1
7	OCCUPATIONAL ED 2
8	PERFORMING ARTS CENTER
9	MAINTENANCE & OPERATIONS
10	GYMNASIUM
12	CHEMISTRY
13	CDC 1
14	CDC 2
15	CDC 3
23	WATER TANK
27	SCIENCE MODULAR
28	MATH MODULAR
34	BOOKSTORE CLASSROOMS
36	BOOKSTORE
37	STUDENT SERVICES B
38	AQUATIC CENTER
39	LEARNING RESOURCE CENTER

MASTER PLAN - CURRENT / EXISTING PLAN

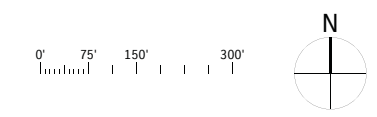




- | NO. | BUILDING NAME |
|-----|---|
| 1 | LAB/ADMIN |
| 2 | CRAFTON CENTER |
| 3 | CLASSROOM BUILDING 2 |
| 4 | STUDENT SERVICES A |
| 5 | CLASSROOM BUILDING 1 |
| 7 | OCCUPATIONAL ED 2 |
| 8 | PERFORMING ARTS CENTER |
| 9 | MAINTENANCE & OPERATIONS |
| 12 | CHEMISTRY |
| 13 | CDC 1 |
| 14 | CDC 2 |
| 15 | CDC 3 |
| 20 | PHYS ED / ATHLETICS |
| 23 | WATER TANK |
| 24 | SCIENCE |
| 27 | SCIENCE MODULAR |
| 28 | MATH MODULAR |
| 29 | OFFICES
(REPURPOSED BOOKSTORE
MODULAR) |
| 34 | BOOKSTORE CLASSROOMS |
| 37 | STUDENT SERVICES B |
| 38 | AQUATIC CENTER |
| 39 | LEARNING RESOURCE CENTER |

* BOLD INDICATES NEW BUILDING

MASTER PLAN - HORIZON 1

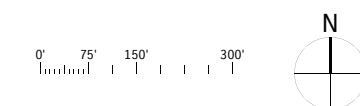




- NO. BUILDING NAME**
- 1 LAB/ADMIN
 - 2 CRAFTON CENTER
 - 3 CLASSROOM BUILDING 2
 - 4 STUDENT SERVICES A
 - 5 CLASSROOM BUILDING 1
 - 7 OCCUPATIONAL ED 2
 - 8 PERFORMING ARTS CENTER
 - 9 MAINTENANCE & OPERATIONS
 - 12 CHEMISTRY
 - 13 CDC 1
 - 14 CDC 2
 - 15 CDC 3
 - 20 PHYS ED / ATHLETICS
 - 23 WATER TANK
 - 24 SCIENCE
 - 29 OFFICES
 - 37 STUDENT SERVICES B
 - 38 AQUATIC CENTER
 - 39 LEARNING RESOURCE CENTER
 - A. CHILD DEVELOPMENT CENTER**
 - B. THEATER ANNEX**
 - C. GYM EXPANSION**
 - D. FUTURE BUILDING**
 - E. FUTURE BUILDING**
 - F. FUTURE BUILDING**
 - G. FUTURE BUILDING**
 - H. PARKING STRUCTURE 1**
 - J. PARKING STRUCTURE 2**
 - K. TENNIS COURTS**
 - L. SOCCER FIELD**
 - M. WELLNESS POOL**

*BOLD INDICATES NEW BUILDINGS

MASTER PLAN - HORIZON 2

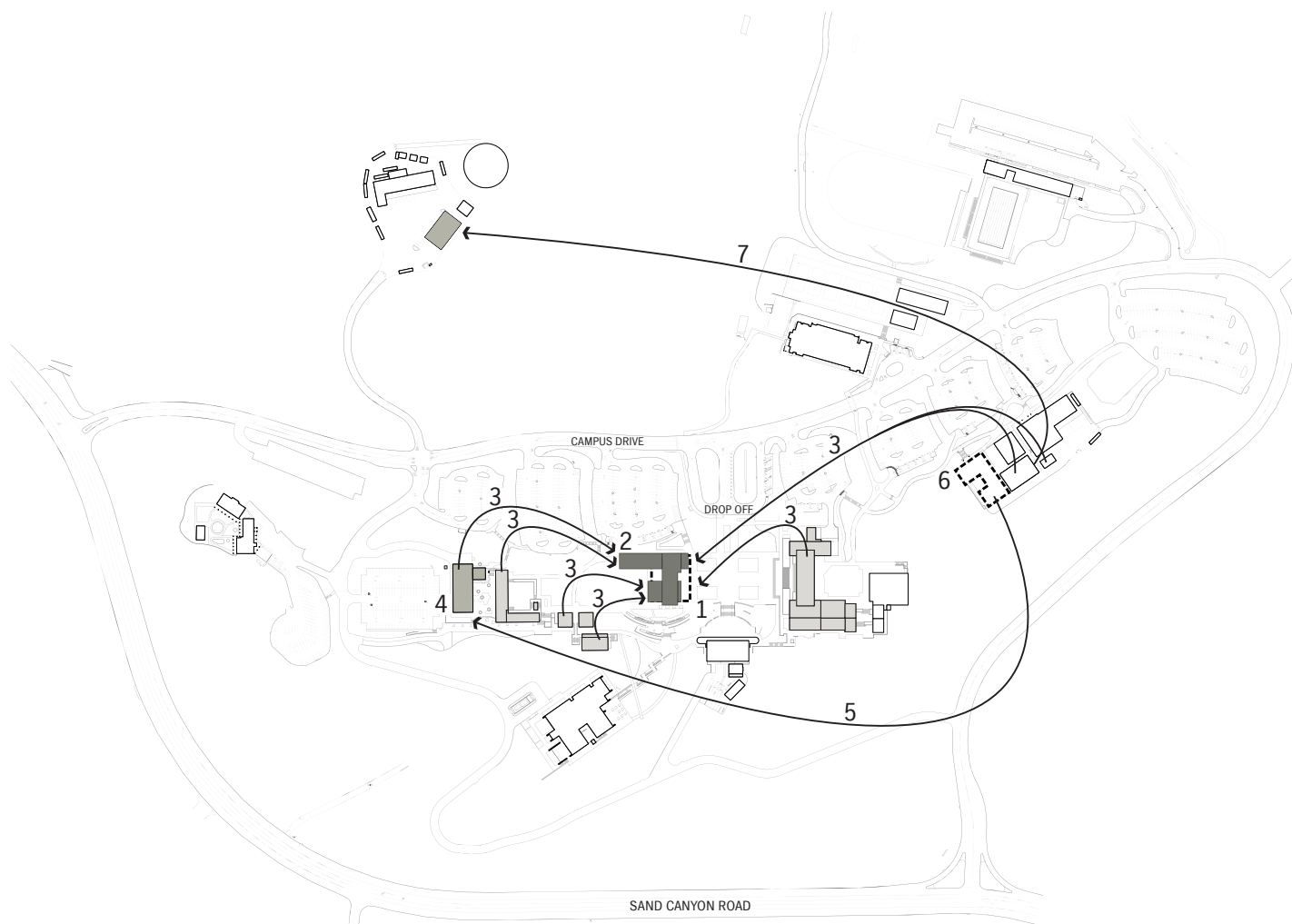


4 | Implementation

Implementation

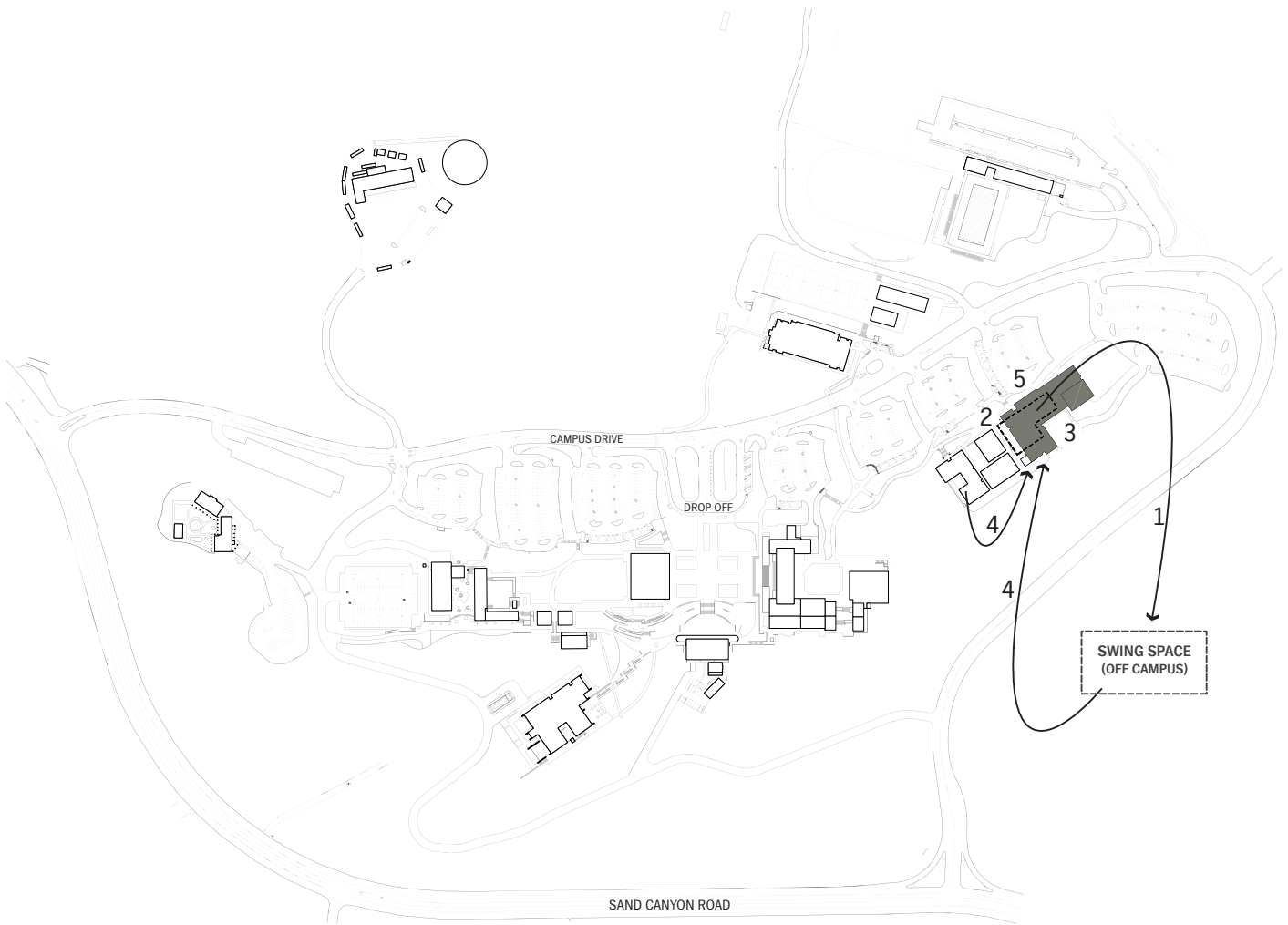
Summary

While the master plan illustrates the completed campus at a given horizon, the implementation of that plan is critical to minimize disruption to campus operations and continue to utilize funds in the most efficient manner. The four new building projects were studied for sequencing options and the following diagrams were generated to provide a general framework for the construction and movement of users. As the projects are further developed and defined, more detailed phasing plans will have to be created.



Crafton Center

- 1 Demolish Existing Library Building
- 2 Construct New Crafton Center Building
- 3 Move In Users
- 4 Renovate Existing For New Uses
- 5 Move Fine Arts Into Newly Renovated Building
- 6 Demolish OE-1 Building (After Fully Vacated)
- 7 Relocate / Renovate Bookstore Modular To Maintenance and Operations



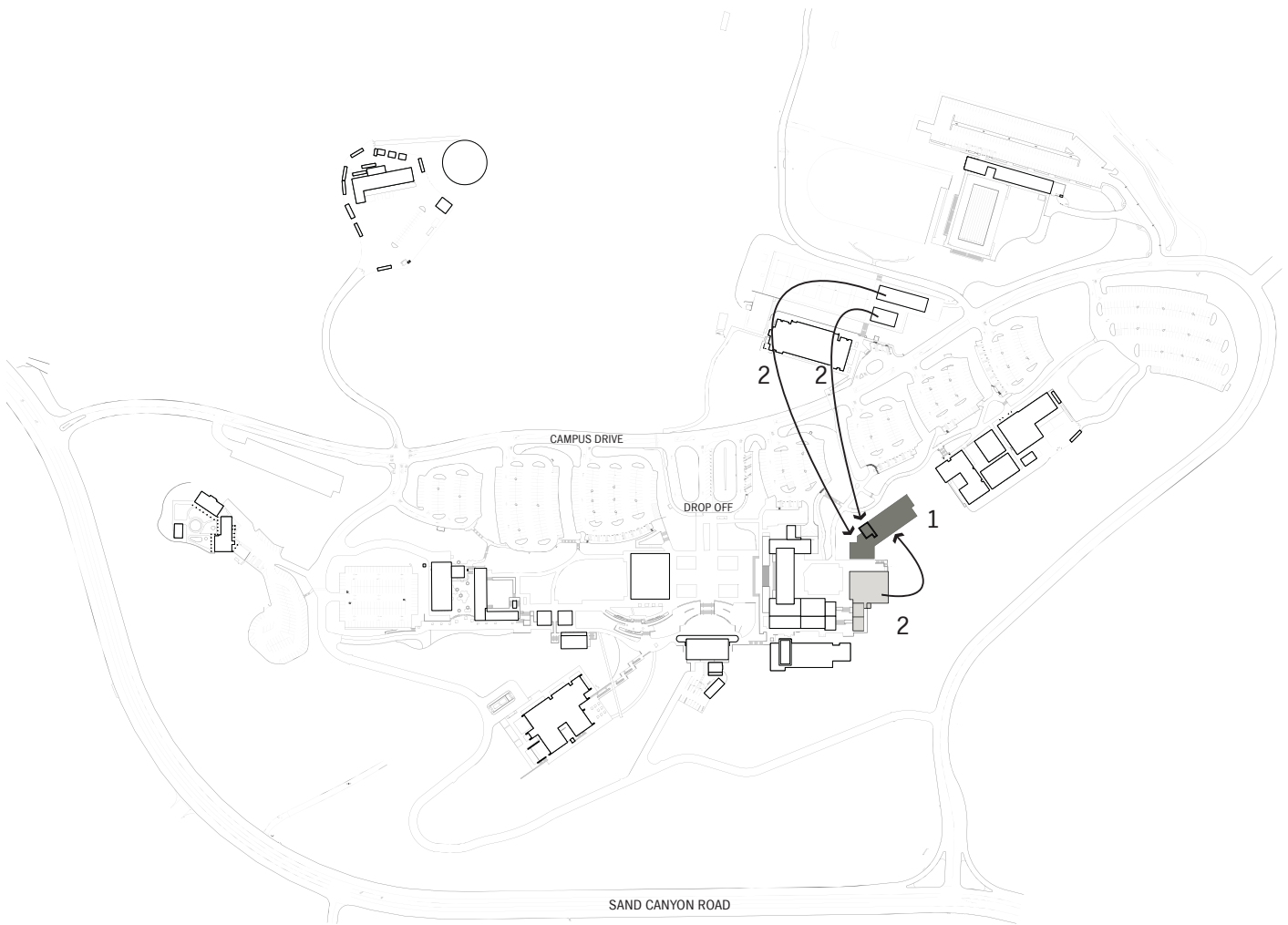
Occupational Education 2

- 1 Move Users Out of Existing OE-2 Into Swing Space Off Campus
- 2 Demolish Existing OE-2
- 3 Construct New OE-2 Building
- 4 Move Users Into New OE-2 Building
- 5 Demolish OE-1 Building (After Fully Vacated)



Physical Education / Athletics Building

- 1 Construct P.E. / Athletics Building
- 2 Move Users Into New PE / Athletics Building
- 3 Demolish Existing Gymnasium



Science Building

- 1 Construct Science Building
- 2 Move Users Into New Science Building

5 | Programs

Programs

Summary

With the development of the new projects to meet the college's needs and priorities, projects to renovate existing buildings were also generated. The following section describes and quantifies generally the projects and programs in the Measure 'M' Priority Project List and while appearing specific will require a detailed programming and design exercise performed by a selected design team and a campus building committee.

NEW PROJECTS

The new projects and programs identified for new construction include:

- Crafton Center
- Occupational Education 2
- Science Building
- Physical Education

RENOVATION PROJECTS

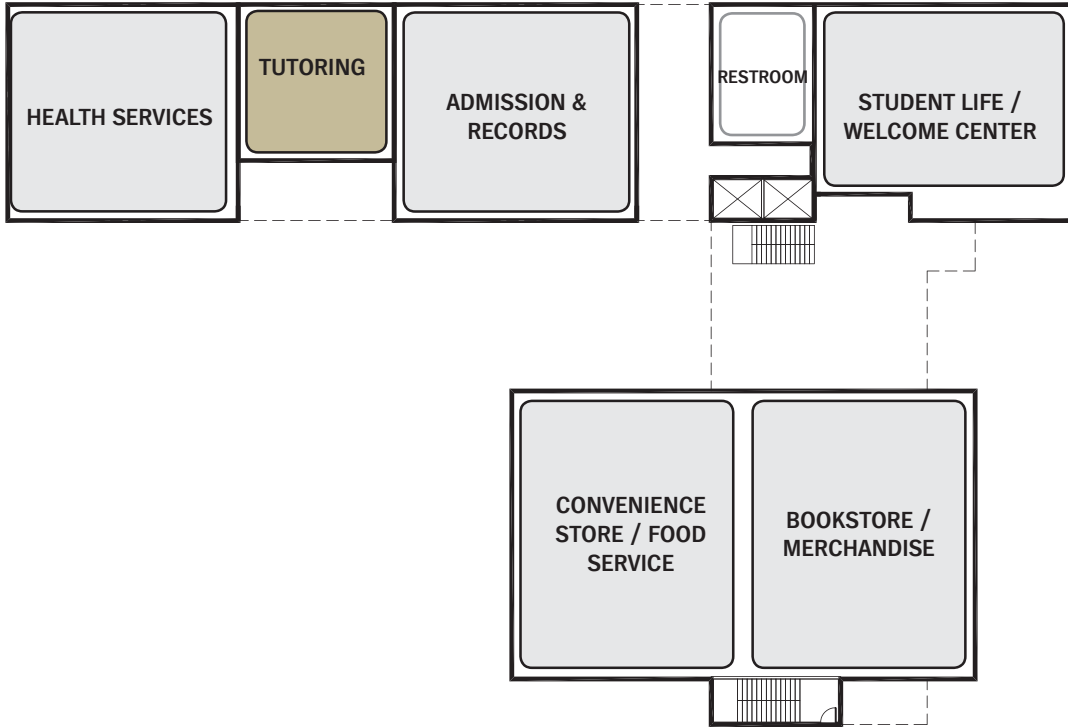
In connection with the new projects, a number of existing buildings were identified for renovation and use by various departments or as space yet to be assigned. It should be noted that applicable recommendations from the 2005/2006 Seismic Investigation Report and Retrofit Schemes are intended to be incorporated in the renovation projects. Buildings identified for renovation projects include:

- Lab / Administration Building
- College Center Building
- Student Services A Building
- Classroom Building
- Student Services B Building
- Performing Arts Center
- Chemistry / Health Sciences Building
- Child Development Center (exterior accessibility)

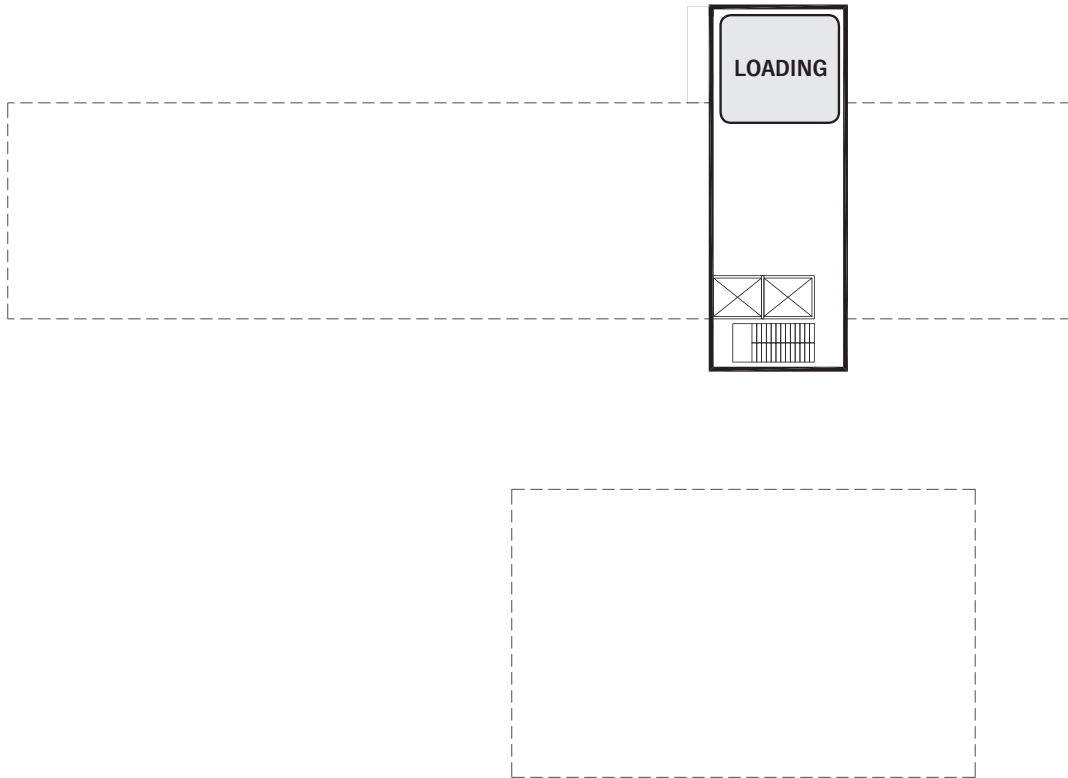
Crafton Center Building					
No.	Program Elements	Existing	Proposed		NOTES
		ASF	ASF	Total ASF	Additional Requirements
1	Bookstore/Merchandise	4,647		5,640	
2	Convenience Store/Food Service	5,549		5,270	
3	Student Life/Welcome Center	482		2,347	
4	Administration	4,868		4,810	
5	Financial Aid	1,000		1,491	
6	Admissions & Records	1,014		1,604	
7	Counseling/Careers /Transfers / Honors	618		2,224	
8	Health Services	613		1,120	
9	Shared			1,450	
	Total Existing Student Services ASF	18,791			
	Total Proposed ASF			25,956	
	Efficiency Factor			65%	
	Total Proposed GSF			39,932	

Lecture: 0

Lab: 0

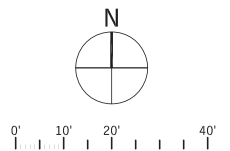


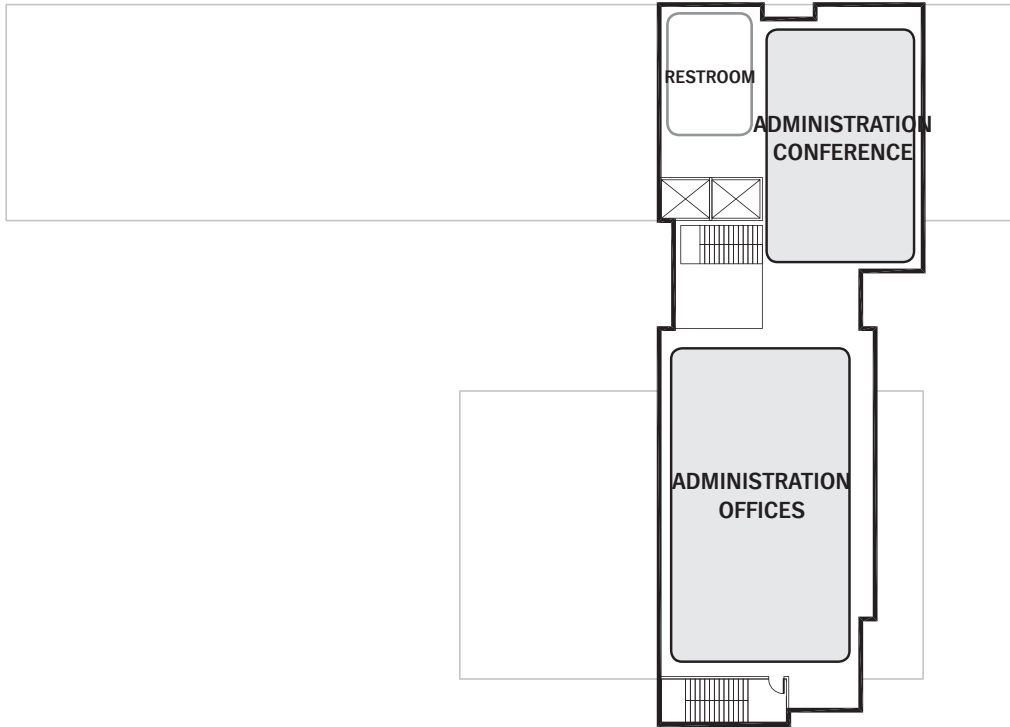
Crafton Center - First Floor Plan



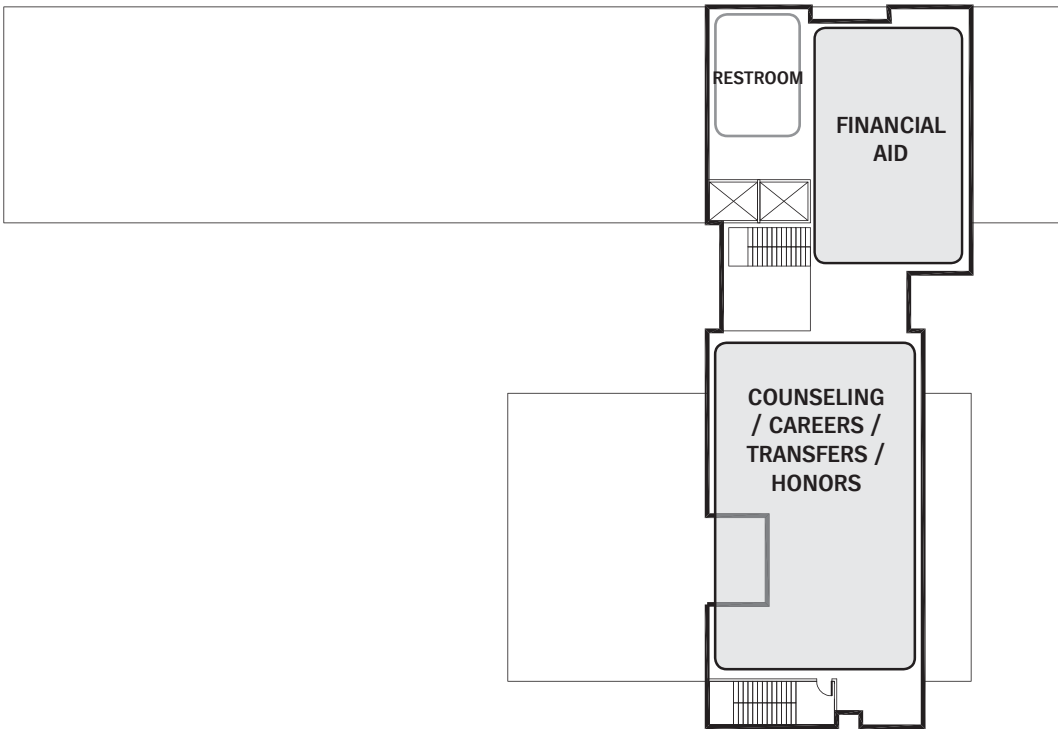
Crafton Center - Basement Plan

- | | | | |
|---|--|---|---|
| ALLIED HEALTH SERVICES | ENGLISH & READING | HUMAN DEVELOPMENT | PUBLIC SAFETY & SERVICES |
| BUSINESS, ECONOMICS & INFORMATION TECHNOLOGY | FINE ARTS | MATHEMATICS | SOCIAL SCIENCES |
| COMMUNICATION & LANGUAGE | HEALTH & PHYSICAL EDUCATION | PHYSICAL & BIOLOGICAL SCIENCES | TUTORING CENTER |



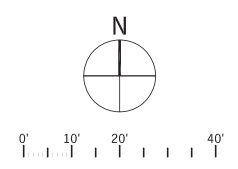


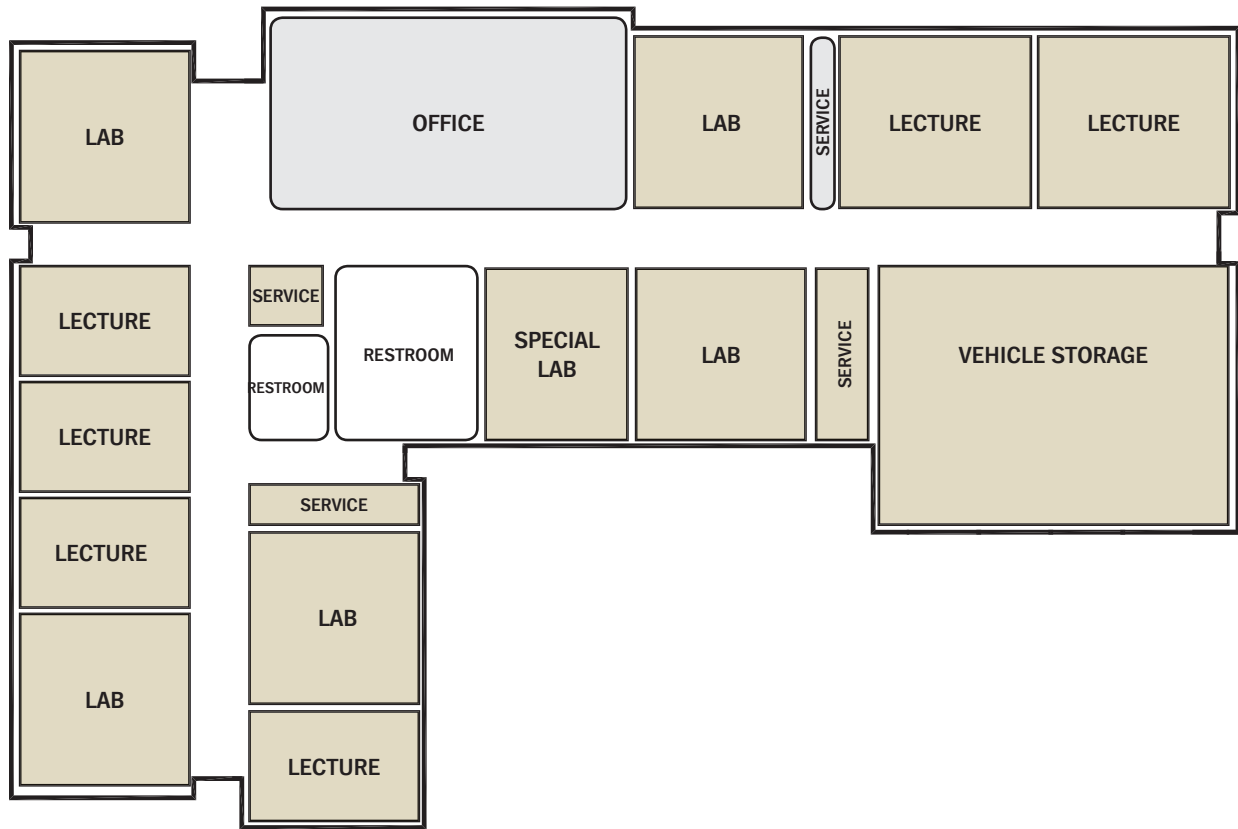
Crafton Center - Third Floor Plan



Crafton Center - Second Floor Plan

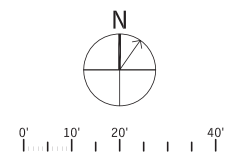
- | | | | |
|--|---|--|--|
| ALLIED HEALTH SERVICES | ENGLISH & READING | HUMAN DEVELOPMENT | PUBLIC SAFETY & SERVICES |
| BUSINESS, ECONOMICS & INFORMATION TECHNOLOGY | FINE ARTS | MATHEMATICS | SOCIAL SCIENCES |
| COMMUNICATION & LANGUAGE | HEALTH & PHYSICAL EDUCATION | PHYSICAL & BIOLOGICAL SCIENCES | TUTORING CENTER |





OE2 Replacement: First Floor Plan

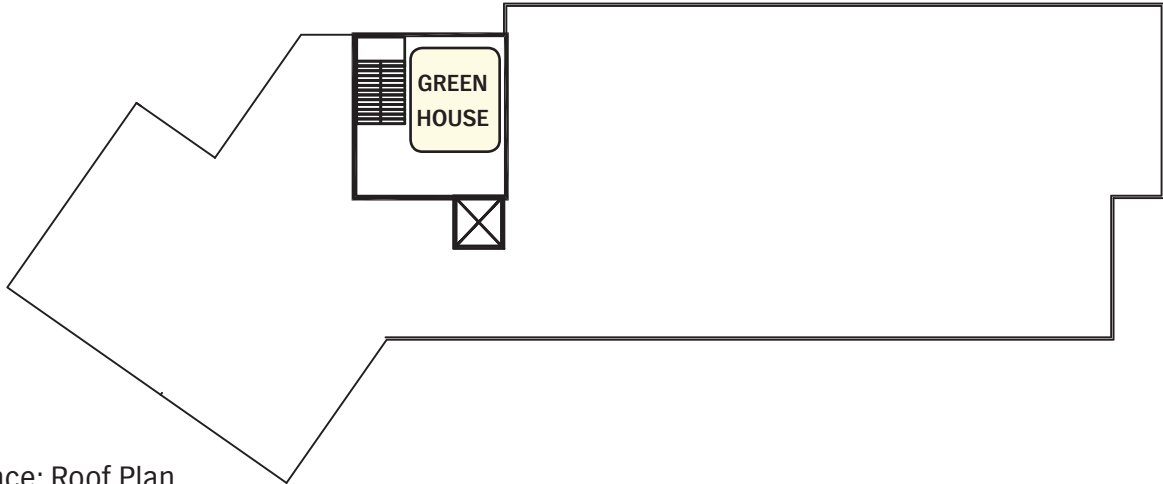
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|--|---|--|--|
| ALLIED HEALTH SERVICES | ENGLISH & READING | HUMAN DEVELOPMENT | PUBLIC SAFETY & SERVICES |
| BUSINESS, ECONOMICS & INFORMATION TECHNOLOGY | FINE ARTS | MATHEMATICS | SOCIAL SCIENCES |
| COMMUNICATION & LANGUAGE | HEALTH & PHYSICAL EDUCATION | PHYSICAL & BIOLOGICAL SCIENCES | TUTORING CENTER |



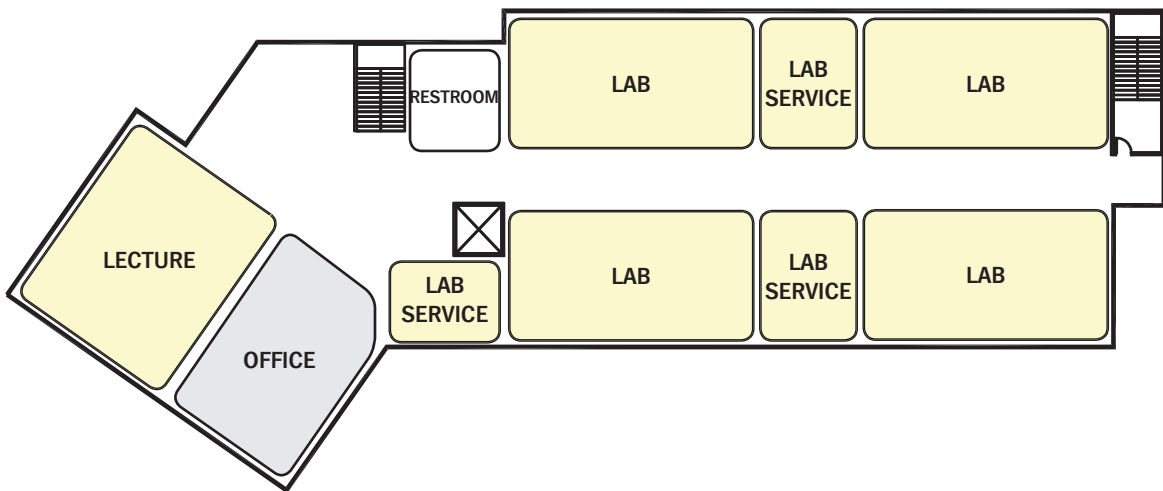
Science Building				
No.	Program Elements	Proposed		NOTES
		Unit ASF	Total ASF	Additional Requirements
1	Lecture		3,000	
2	Labs		14,800	
3	Office		1,280	
4	Data Processing		220	
TOTAL ASSIGNABLE AREA (ASF)			19,300	
EFFICIENCY FACTOR			65%	
TOTAL GROSS AREA (GSF)			29,692	

Lecture: 2

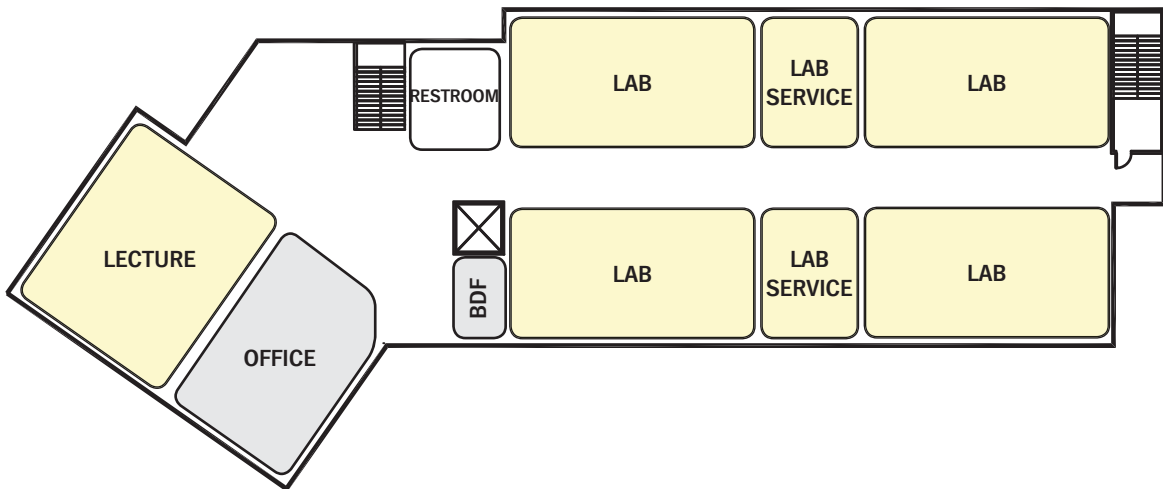
Lab: 8



Science: Roof Plan

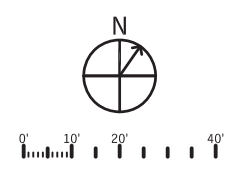


Science: Second Floor Plan



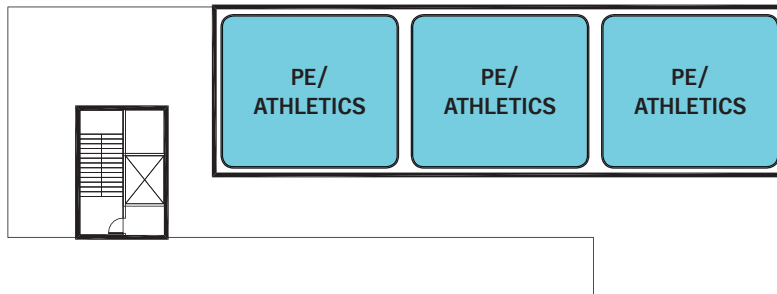
Science: First Floor Plan

- | | | | |
|---|--|---|---|
| ALLIED HEALTH SERVICES | ENGLISH & READING | HUMAN DEVELOPMENT | PUBLIC SAFETY & SERVICES |
| BUSINESS, ECONOMICS & INFORMATION TECHNOLOGY | FINE ARTS | MATHEMATICS | SOCIAL SCIENCES |
| COMMUNICATION & LANGUAGE | HEALTH & PHYSICAL EDUCATION | PHYSICAL & BIOLOGICAL SCIENCES | TUTORING CENTER |

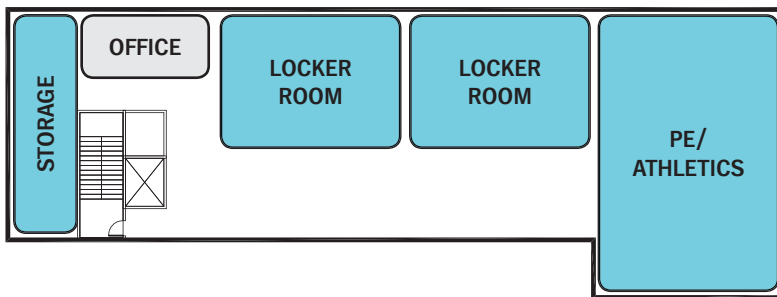


Physical Education/ Athletics Building				
No.	Program Elements	Proposed		NOTES
		Unit ASF	Total ASF	Additional Requirements
1	Athletics		7,500	
2	Office		400	
	TOTAL ASSIGNABLE AREA (ASF)		7,900	
	EFFICIENCY FACTOR		80%	
	TOTAL GROSS AREA (GSF)		9,875	

Lecture: 0	Lab: 4
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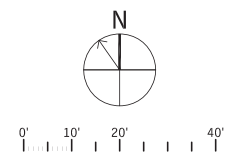


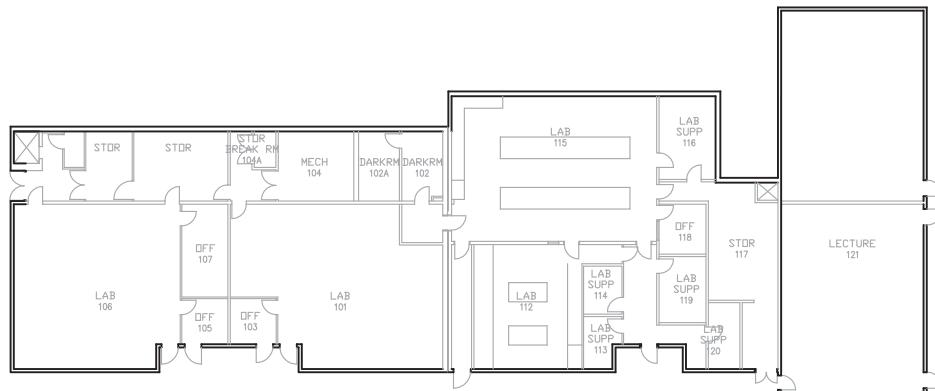
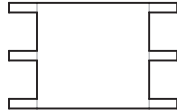
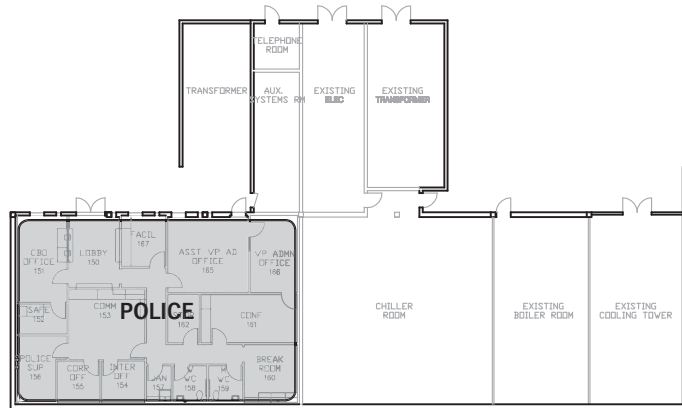
Physical Education: Second Floor Plan



Physical Education: First Floor Plan

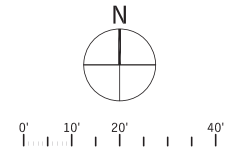
- | | | | |
|--|---|---|---|
| ■ ALLIED HEALTH SERVICES | ■ ENGLISH & READING | ■ HUMAN DEVELOPMENT | ■ PUBLIC SAFETY & SERVICES |
| ■ BUSINESS, ECONOMICS & INFORMATION TECHNOLOGY | ■ FINE ARTS | ■ MATHEMATICS | ■ SOCIAL SCIENCES |
| ■ COMMUNICATION & LANGUAGE | ■ HEALTH & PHYSICAL EDUCATION | ■ PHYSICAL & BIOLOGICAL SCIENCES | ■ TUTORING CENTER |

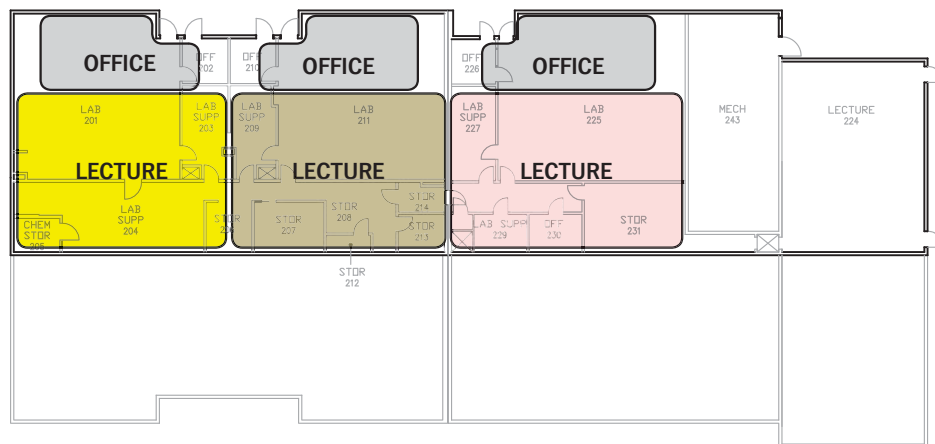
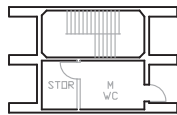
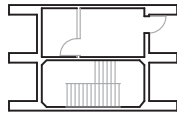




Lab/Admin Renovation - First Floor Plan

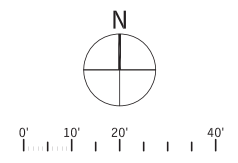
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|---|--|---|---|
| ALLIED HEALTH SERVICES | ENGLISH & READING | HUMAN DEVELOPMENT | PUBLIC SAFETY & SERVICES |
| BUSINESS, ECONOMICS & INFORMATION TECHNOLOGY | FINE ARTS | MATHEMATICS | SOCIAL SCIENCES |
| COMMUNICATION & LANGUAGE | HEALTH & PHYSICAL EDUCATION | PHYSICAL & BIOLOGICAL SCIENCES | TUTORING CENTER |

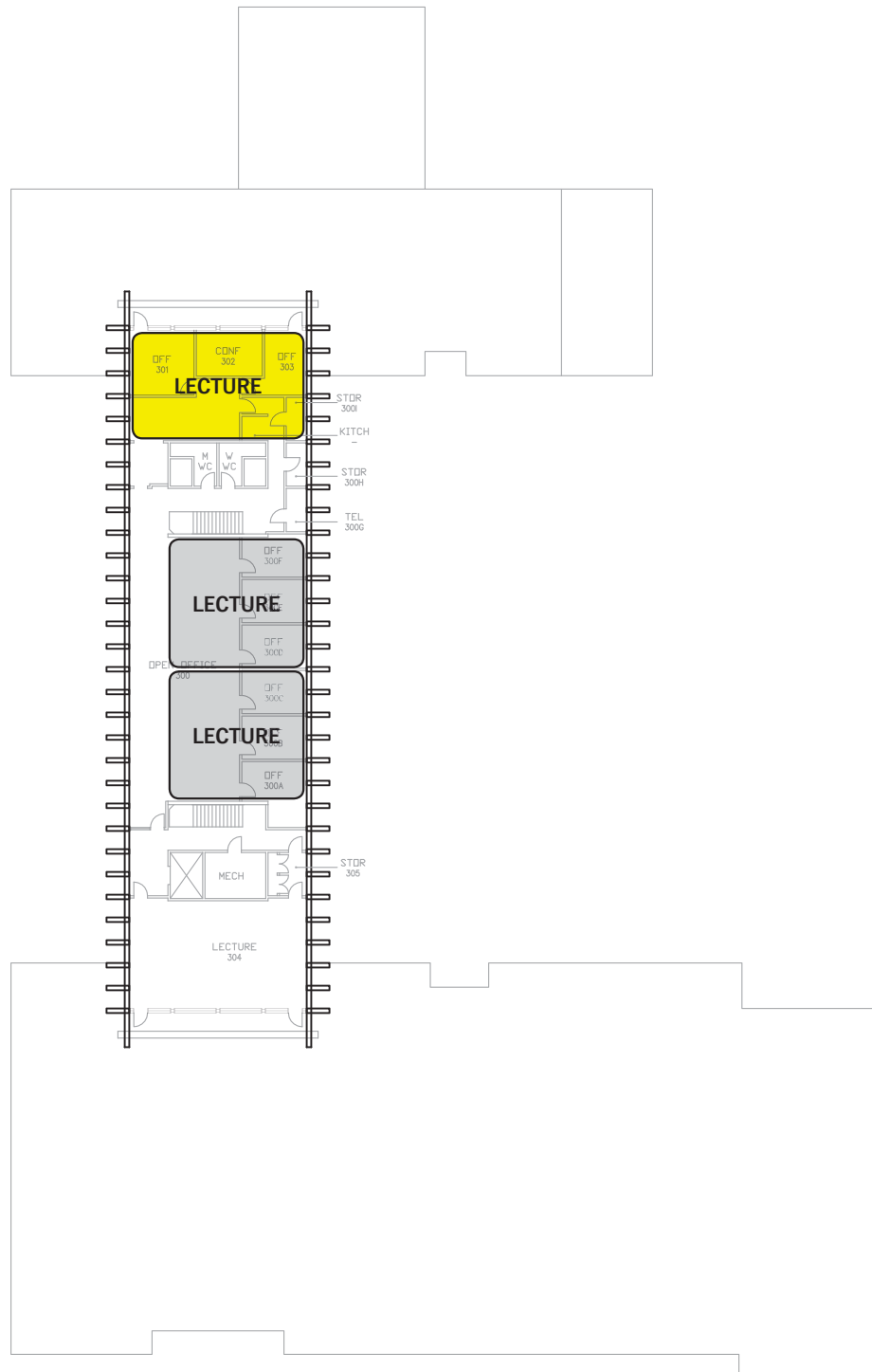




Lab/Admin Renovation - Second Floor Plan

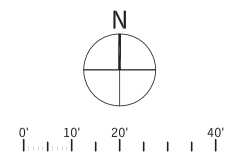
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|---|--|---|---|
| ALLIED HEALTH SERVICES | ENGLISH & READING | HUMAN DEVELOPMENT | PUBLIC SAFETY & SERVICES |
| BUSINESS, ECONOMICS & INFORMATION TECHNOLOGY | FINE ARTS | MATHEMATICS | SOCIAL SCIENCES |
| COMMUNICATION & LANGUAGE | HEALTH & PHYSICAL EDUCATION | PHYSICAL & BIOLOGICAL SCIENCES | TUTORING CENTER |

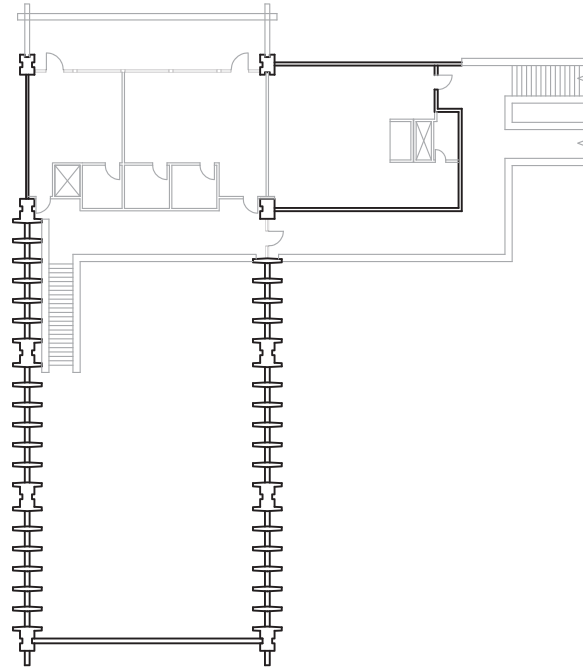




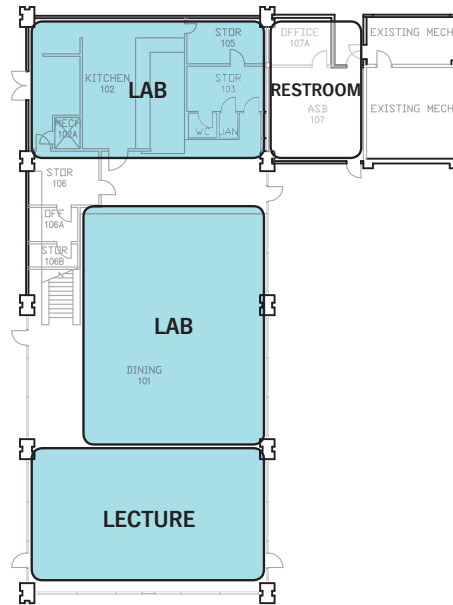
Lab/Admin Renovation - Third Floor Plan

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|---|--|---|---|
| ALLIED HEALTH SERVICES | ENGLISH & READING | HUMAN DEVELOPMENT | PUBLIC SAFETY & SERVICES |
| BUSINESS, ECONOMICS & INFORMATION TECHNOLOGY | FINE ARTS | MATHEMATICS | SOCIAL SCIENCES |
| COMMUNICATION & LANGUAGE | HEALTH & PHYSICAL EDUCATION | PHYSICAL & BIOLOGICAL SCIENCES | TUTORING CENTER |



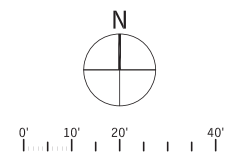


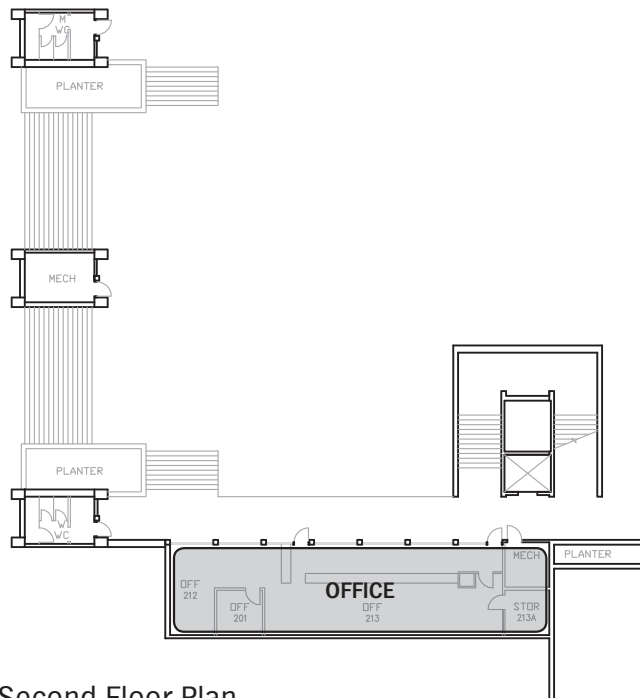
College Center Renovation - Second Floor Plan



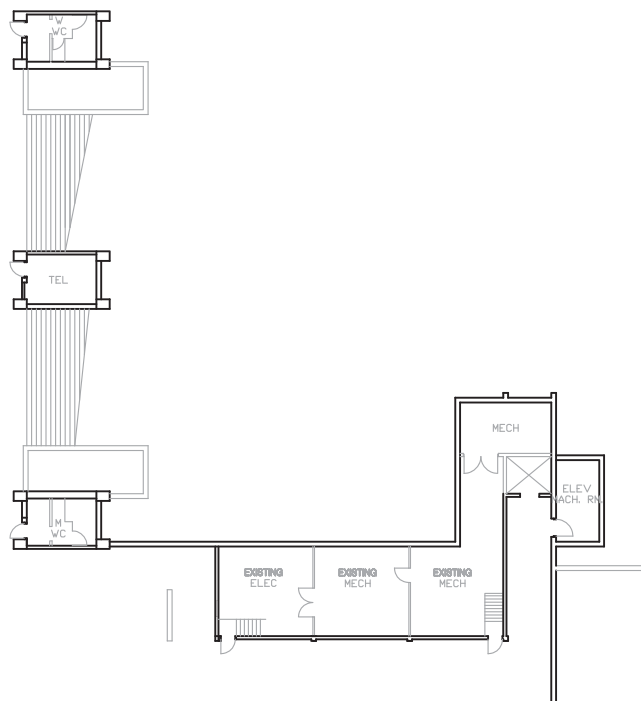
College Center Renovation - First Floor Plan

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|---|--|---|---|
| ALLIED HEALTH SERVICES | ENGLISH & READING | HUMAN DEVELOPMENT | PUBLIC SAFETY & SERVICES |
| BUSINESS, ECONOMICS & INFORMATION TECHNOLOGY | FINE ARTS | MATHEMATICS | SOCIAL SCIENCES |
| COMMUNICATION & LANGUAGE | HEALTH & PHYSICAL EDUCATION | PHYSICAL & BIOLOGICAL SCIENCES | TUTORING CENTER |



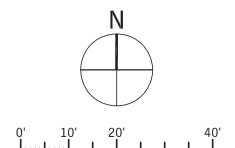


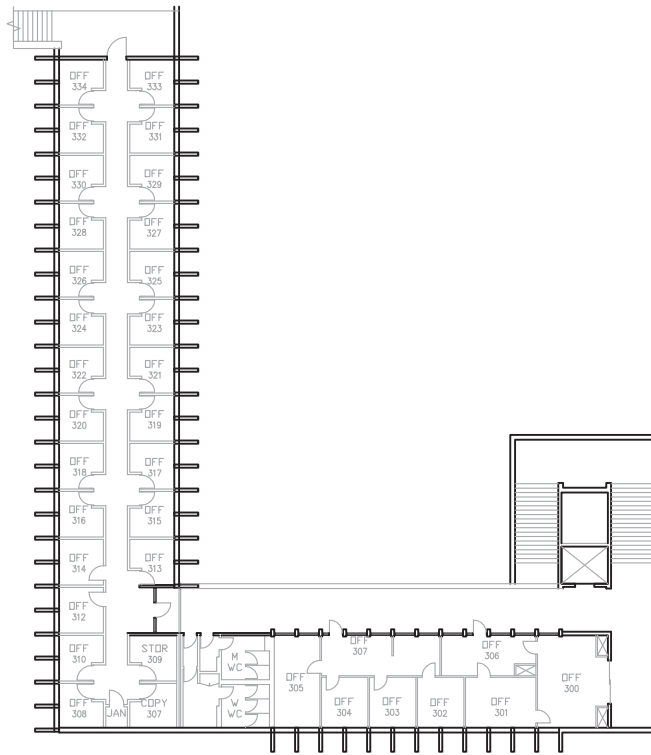
Student Services A Renovation - Second Floor Plan



Student Services A Renovation - First Floor Plan

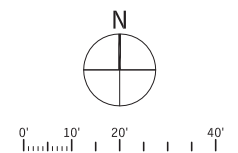
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|---|--|---|---|
| ALLIED HEALTH SERVICES | ENGLISH & READING | HUMAN DEVELOPMENT | PUBLIC SAFETY & SERVICES |
| BUSINESS, ECONOMICS & INFORMATION TECHNOLOGY | FINE ARTS | MATHEMATICS | SOCIAL SCIENCES |
| COMMUNICATION & LANGUAGE | HEALTH & PHYSICAL EDUCATION | PHYSICAL & BIOLOGICAL SCIENCES | TUTORING CENTER |

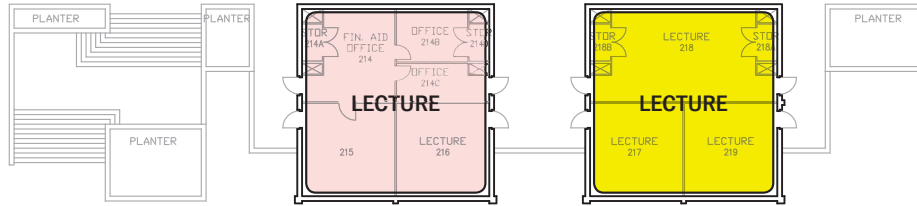




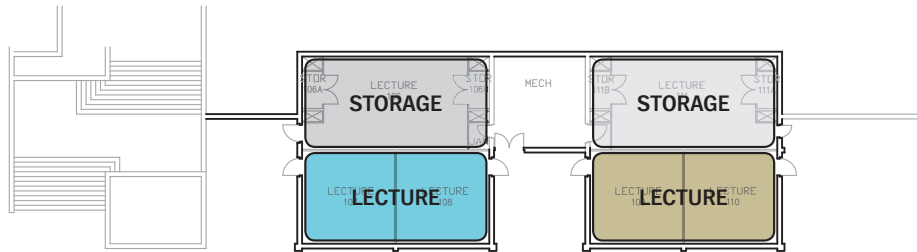
Student Services A Renovation - Third Floor Plan

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| ALLIED HEALTH SERVICES | ENGLISH & READING | HUMAN DEVELOPMENT | PUBLIC SAFETY & SERVICES |
| BUSINESS, ECONOMICS & INFORMATION TECHNOLOGY | FINE ARTS | MATHEMATICS | SOCIAL SCIENCES |
| COMMUNICATION & LANGUAGE | HEALTH & PHYSICAL EDUCATION | PHYSICAL & BIOLOGICAL SCIENCES | TUTORING CENTER |



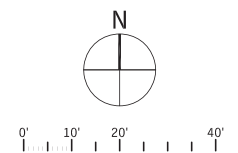


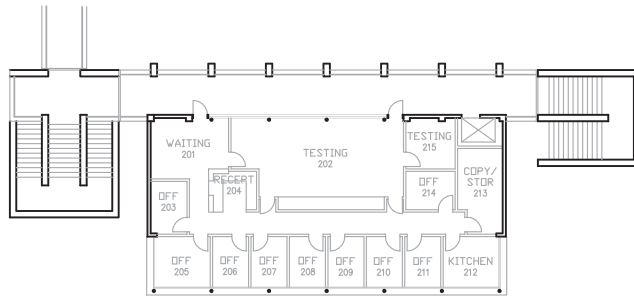
Classroom Building Renovation - Second Floor Plan



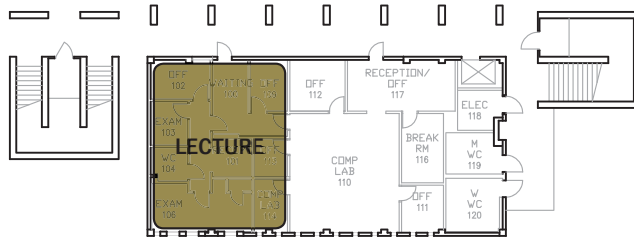
Classroom Building Renovation - First Floor Plan

- | | | | |
|--|---|--|--|
| ALLIED HEALTH SERVICES | ENGLISH & READING | HUMAN DEVELOPMENT | PUBLIC SAFETY & SERVICES |
| BUSINESS, ECONOMICS & INFORMATION TECHNOLOGY | FINE ARTS | MATHEMATICS | SOCIAL SCIENCES |
| COMMUNICATION & LANGUAGE | HEALTH & PHYSICAL EDUCATION | PHYSICAL & BIOLOGICAL SCIENCES | TUTORING CENTER |



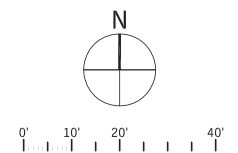


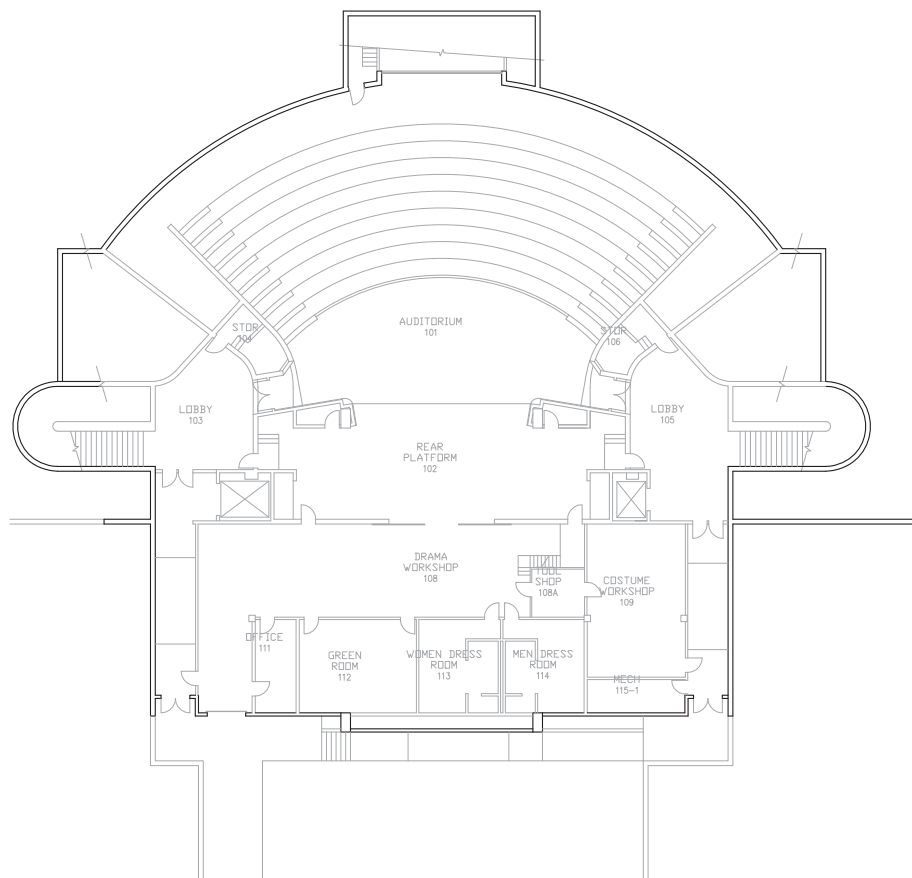
Student Services B Renovation - Second Floor Plan



Student Services B Renovation - First Floor Plan

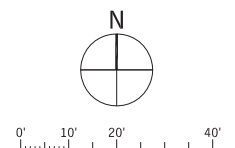
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| BUSINESS, ECONOMICS & INFORMATION TECHNOLOGY | FINE ARTS | MATHEMATICS | SOCIAL SCIENCES |
| COMMUNICATION & LANGUAGE | HEALTH & PHYSICAL EDUCATION | PHYSICAL & BIOLOGICAL SCIENCES | TUTORING CENTER |

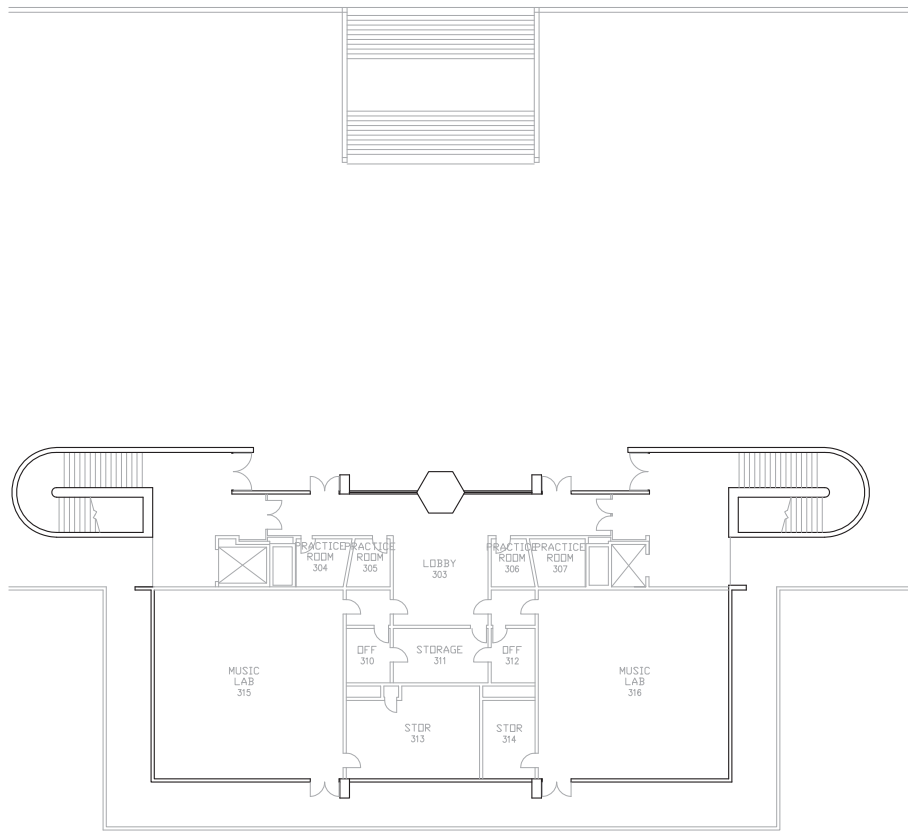




Performing Arts Complex - First Floor Plan

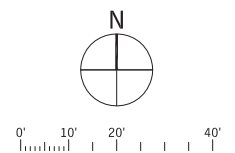
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| BUSINESS, ECONOMICS & INFORMATION TECHNOLOGY | FINE ARTS | MATHEMATICS | SOCIAL SCIENCES |
| COMMUNICATION & LANGUAGE | HEALTH & PHYSICAL EDUCATION | PHYSICAL & BIOLOGICAL SCIENCES | TUTORING CENTER |

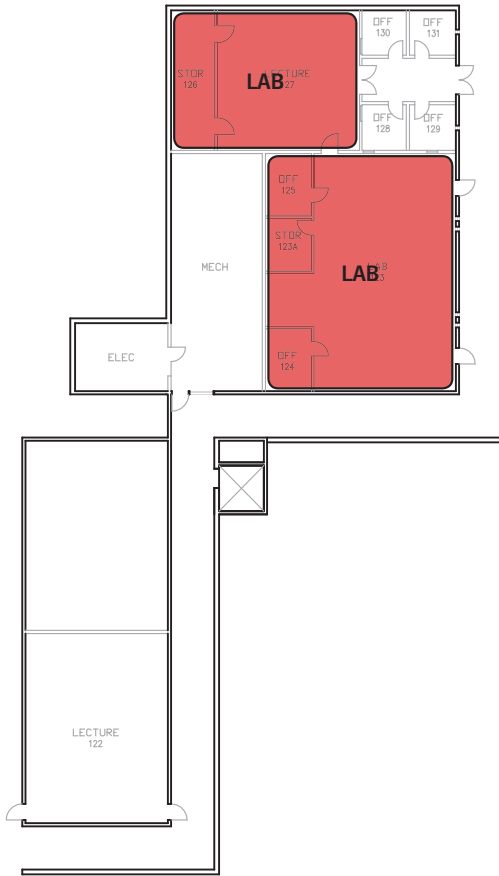




Performing Arts Complex - Second Floor Plan

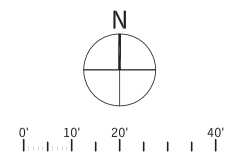
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| ALLIED HEALTH SERVICES | ENGLISH & READING | HUMAN DEVELOPMENT | PUBLIC SAFETY & SERVICES |
| BUSINESS, ECONOMICS & INFORMATION TECHNOLOGY | FINE ARTS | MATHEMATICS | SOCIAL SCIENCES |
| COMMUNICATION & LANGUAGE | HEALTH & PHYSICAL EDUCATION | PHYSICAL & BIOLOGICAL SCIENCES | TUTORING CENTER |

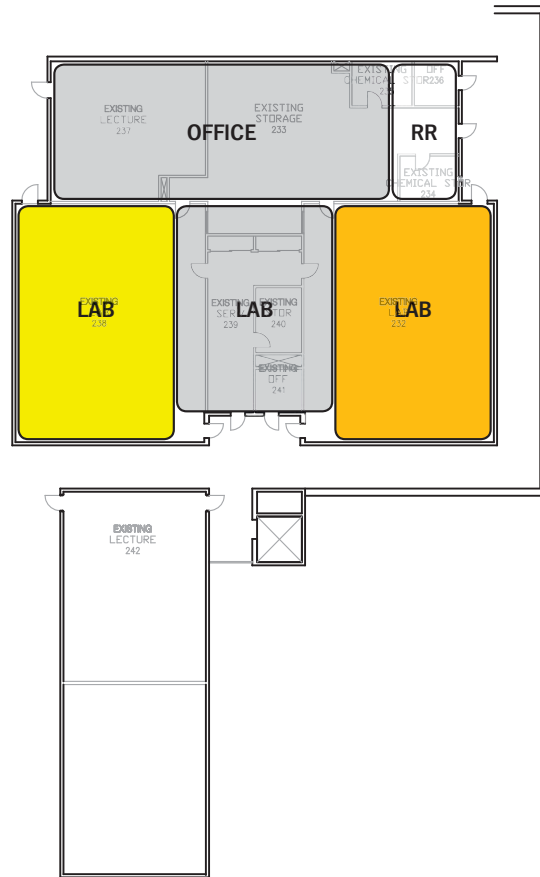




Chemistry Renovation - First Floor

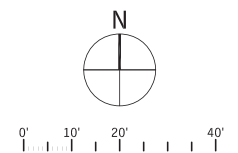
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| ALLIED HEALTH SERVICES | ENGLISH & READING | HUMAN DEVELOPMENT | PUBLIC SAFETY & SERVICES |
| BUSINESS, ECONOMICS & INFORMATION TECHNOLOGY | FINE ARTS | MATHEMATICS | SOCIAL SCIENCES |
| COMMUNICATION & LANGUAGE | HEALTH & PHYSICAL EDUCATION | PHYSICAL & BIOLOGICAL SCIENCES | TUTORING CENTER |





Chemistry Renovation - Second Floor

- | | | | |
|--|---|--|--|
| ALLIED HEALTH SERVICES | ENGLISH & READING | HUMAN DEVELOPMENT | PUBLIC SAFETY & SERVICES |
| BUSINESS, ECONOMICS & INFORMATION TECHNOLOGY | FINE ARTS | MATHEMATICS | SOCIAL SCIENCES |
| COMMUNICATION & LANGUAGE | HEALTH & PHYSICAL EDUCATION | PHYSICAL & BIOLOGICAL SCIENCES | TUTORING CENTER |

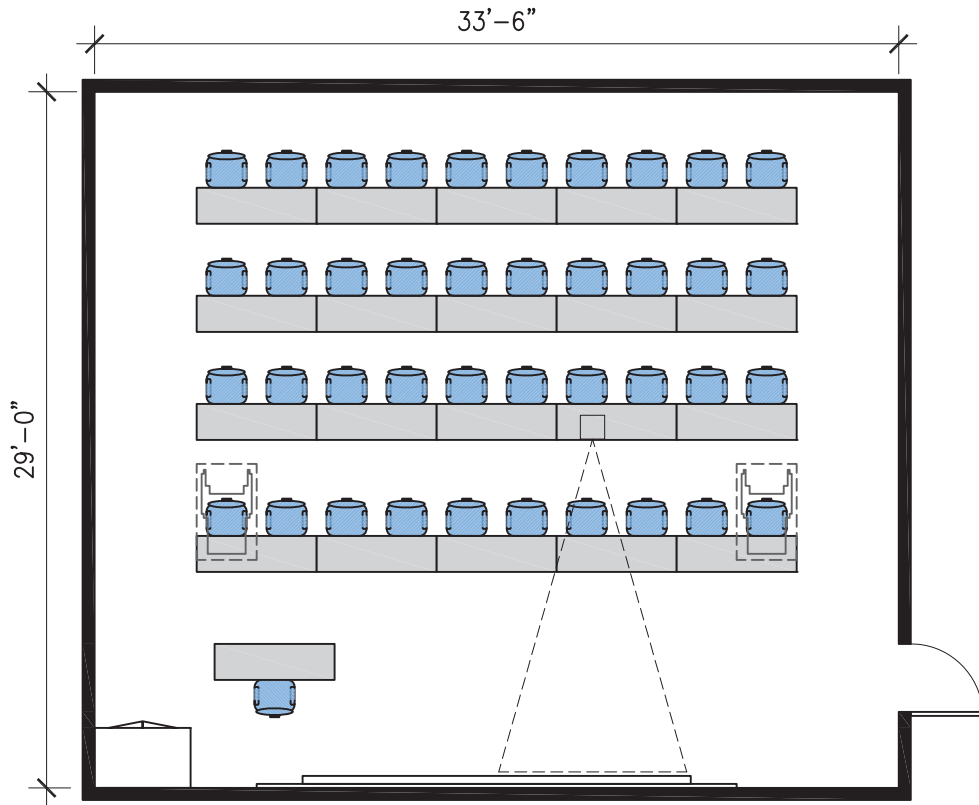


6 | Space Standards

Space Standards

Summary

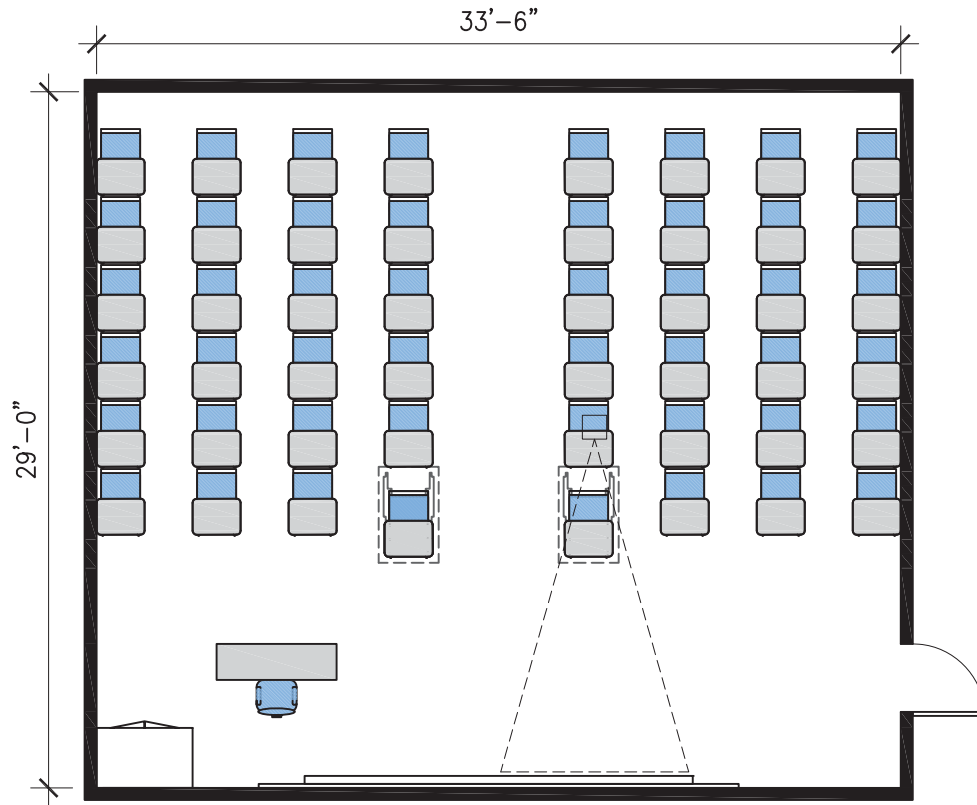
Sizes for lecture, computer labs, offices, and conference rooms have been programmed to provide a standard for planned future construction and in renovation construction where appropriate and achievable. All lecture and lab spaces are “smart” classrooms. The medium (975 ASF) and large (1,080 ASF) lecture and labs have been designed for maximum flexibility in furniture arrangement and spatial reconfiguration. The college requested approximately 6-8 additional large lecture rooms (1,535 ASF) distributed in pairs throughout the new and or renovated buildings. The intent of these space standards is to address an update to the square footage and number of seats for classroom and lab configurations.



Classroom (40)
975 SF (24 SF/STATION)

MEDIUM

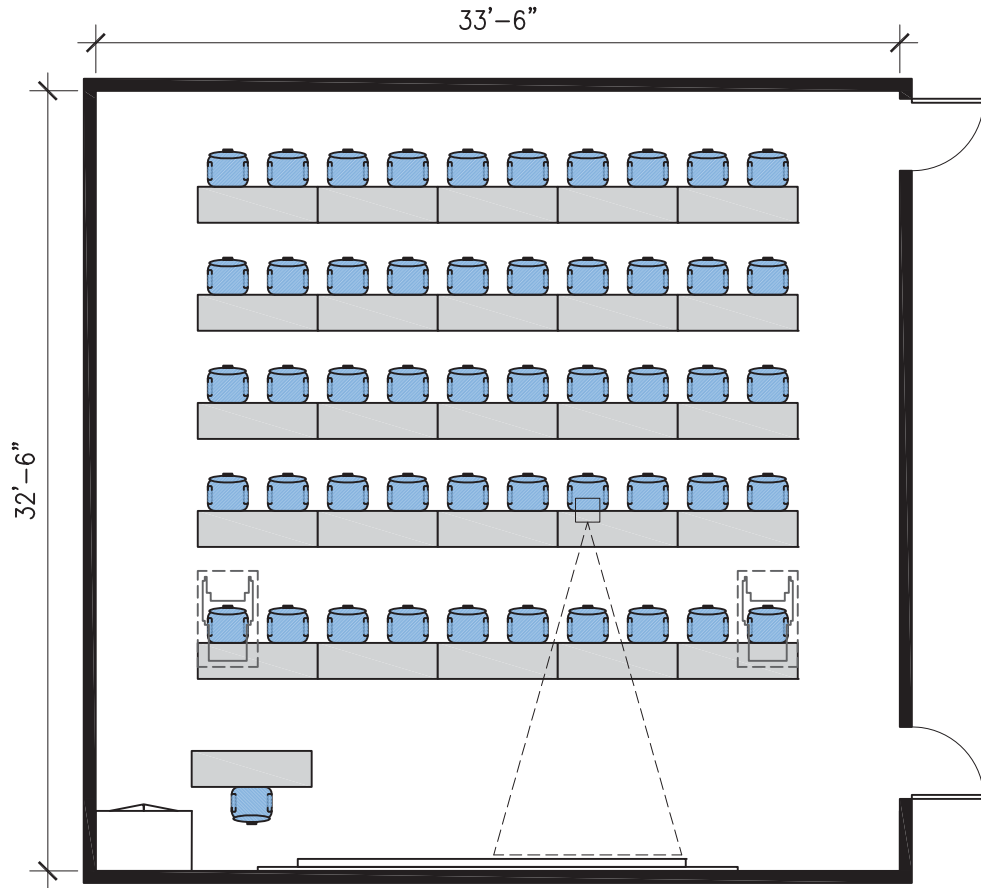




Classroom (48)
975 SF (20 SF/STATION)

MEDIUM

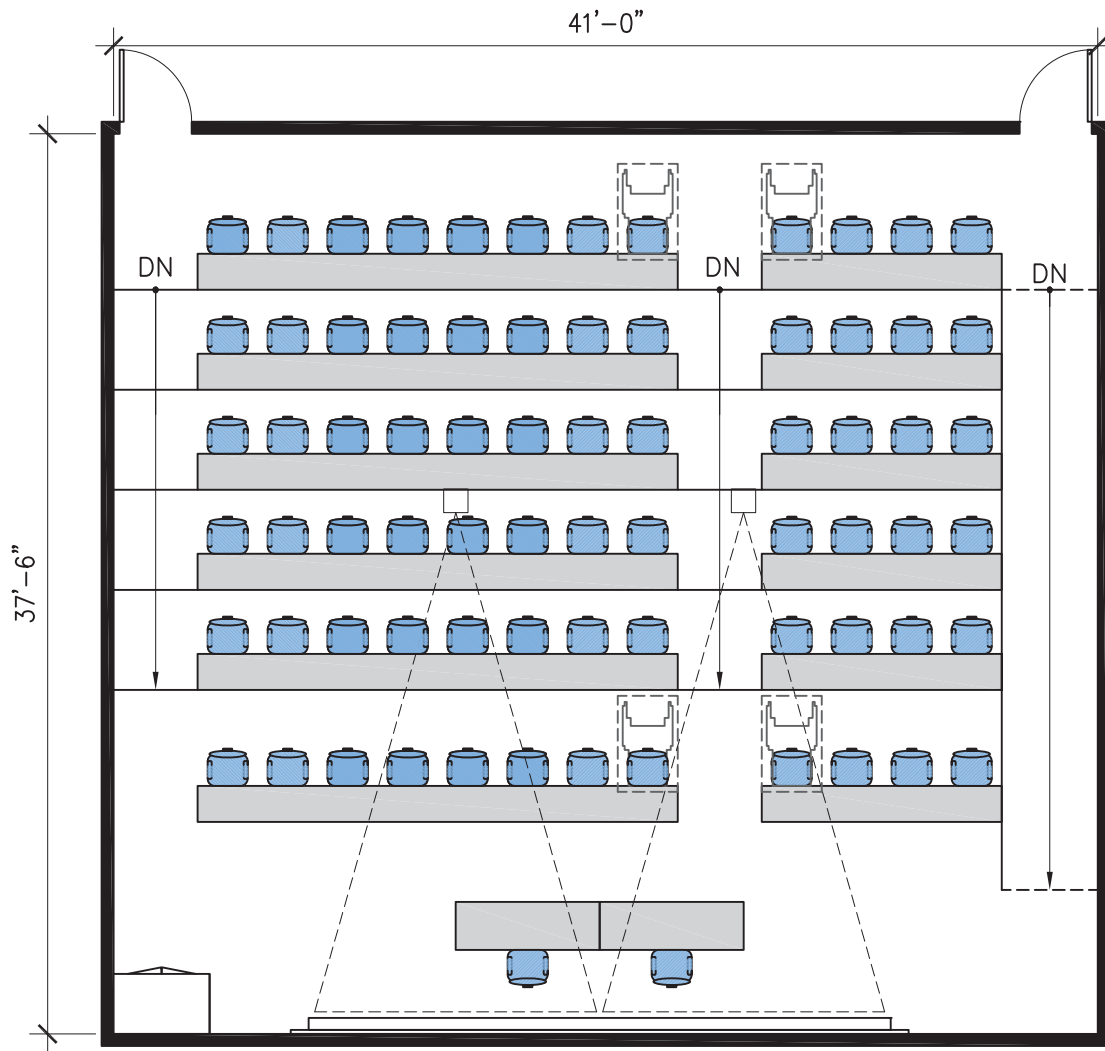




Classroom (50)
1,080 SF (22 SF/STATION)

LARGE

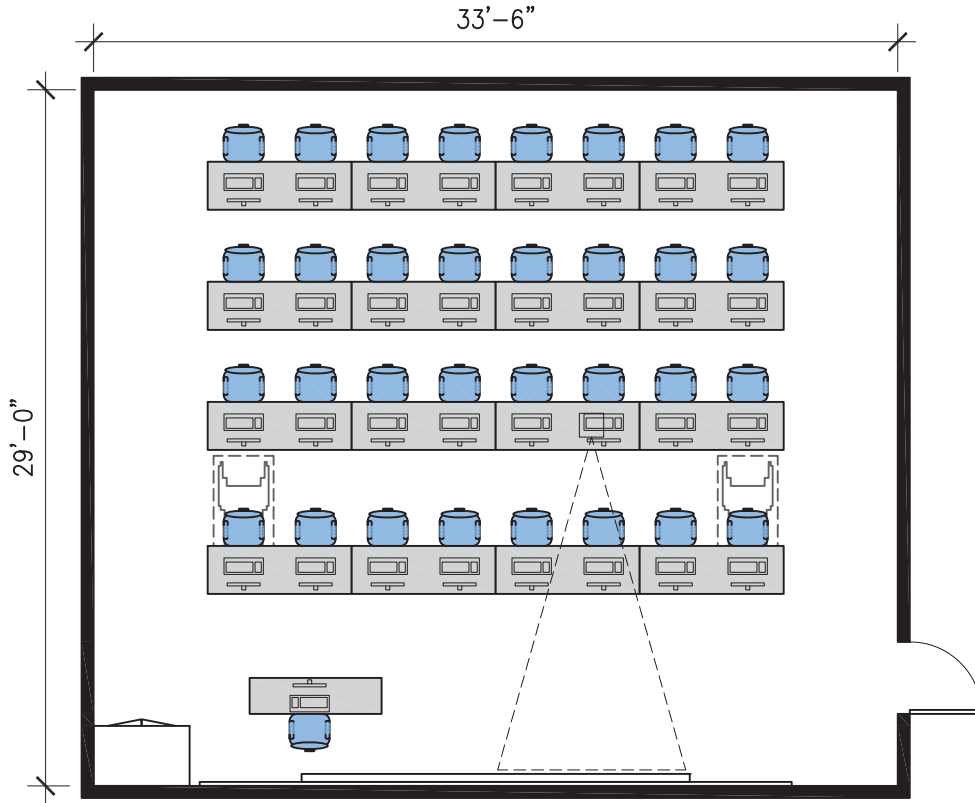




Classroom (72)
1,535 SF (21 SF/STATION)

LARGE

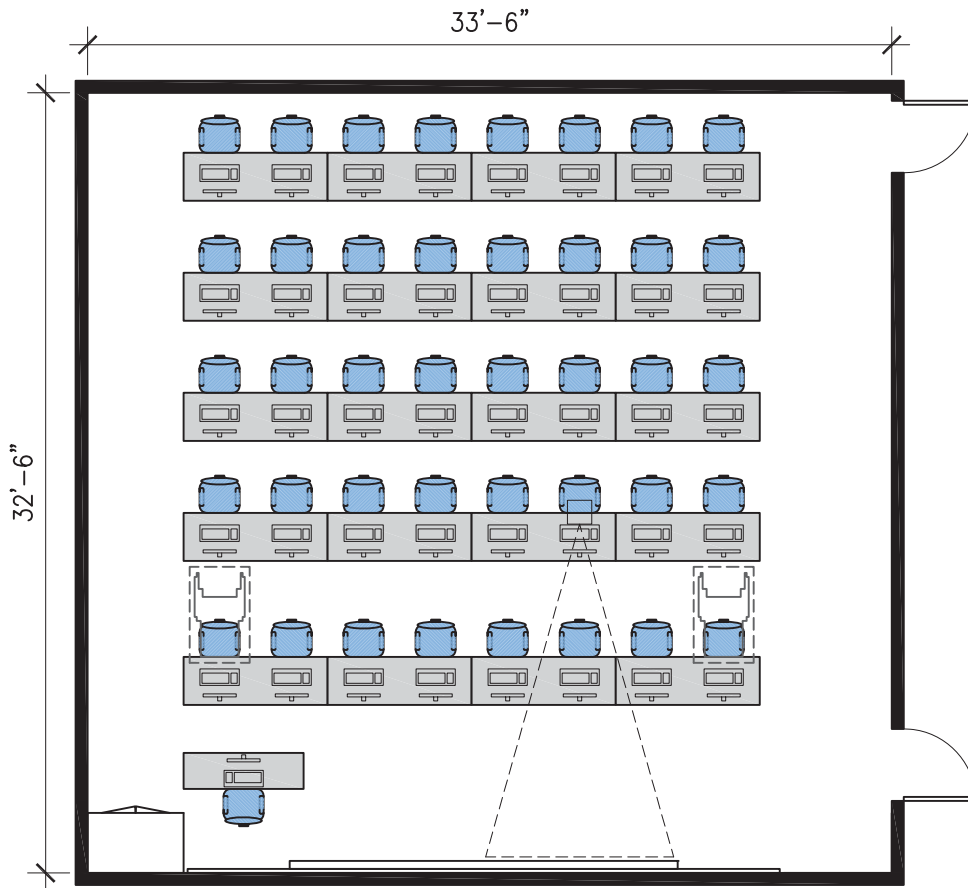




Lab (32)
975 SF (30 SF/STATION)

MEDIUM

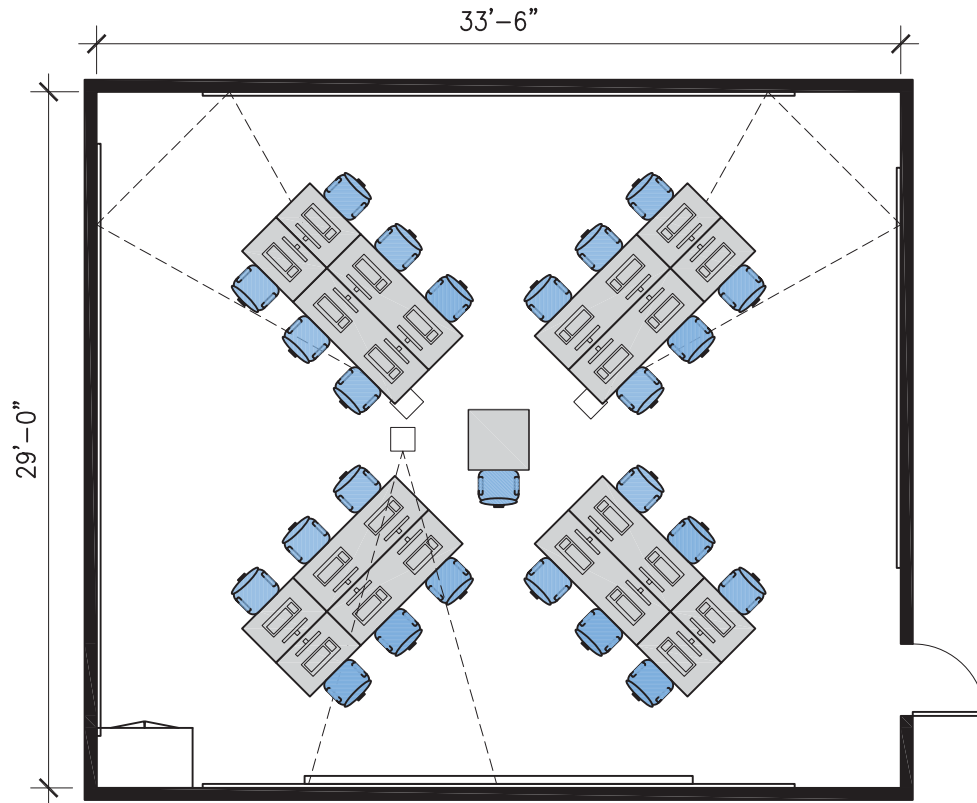




Lab (40)
1,080 SF (27 SF/STATION)

MEDIUM

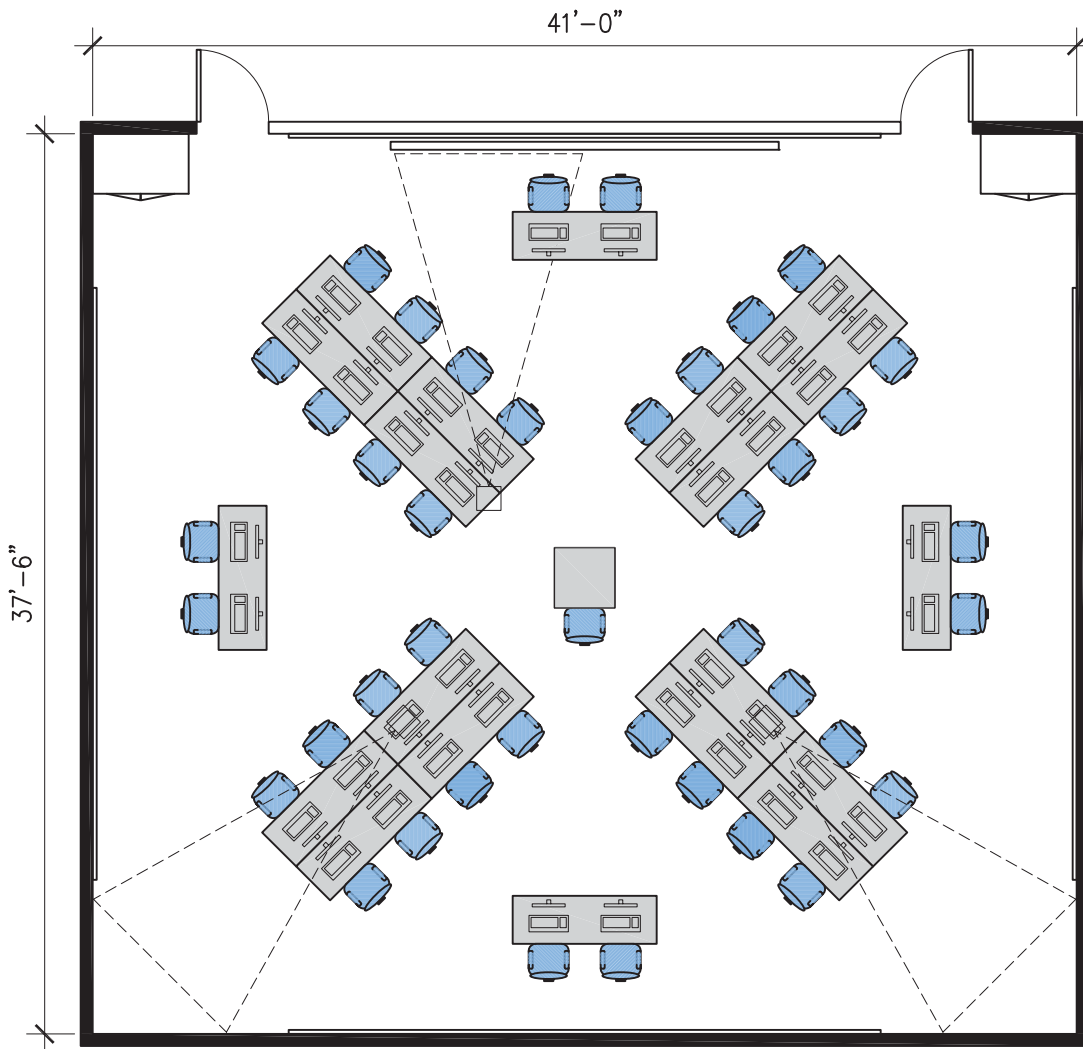




Lab (24)
975 SF (41 SF/STATION)

SMALL DEMONSTRATION

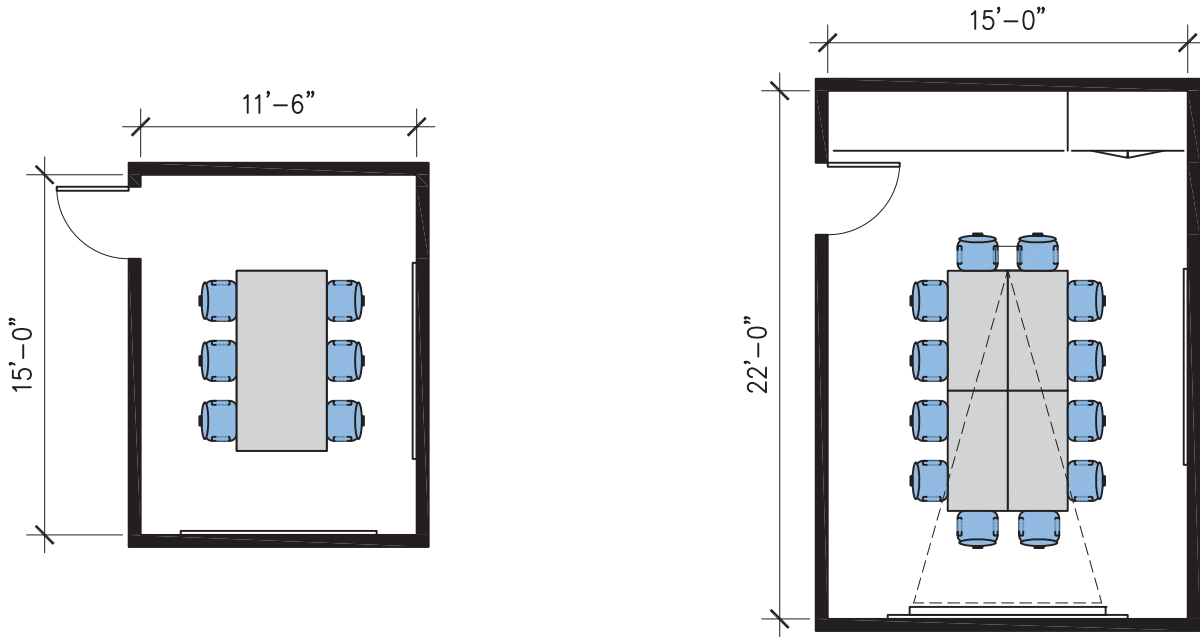




Lab (40)
1,535 SF (38 SF/STATION)

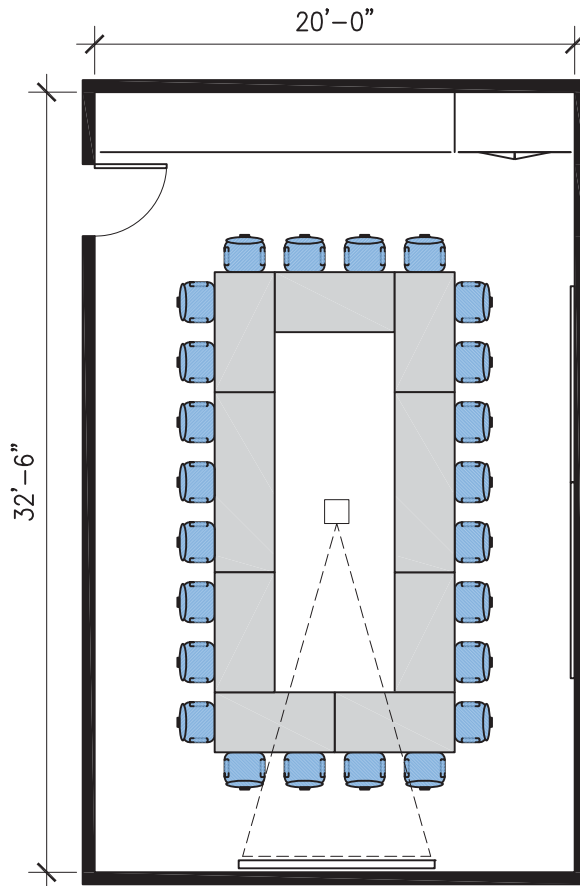
LARGE DEMONSTRATION





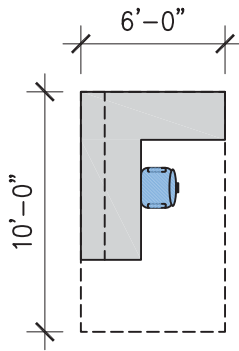
Meeting Room (6)
175 SF

Meeting Room (12)
330 SF

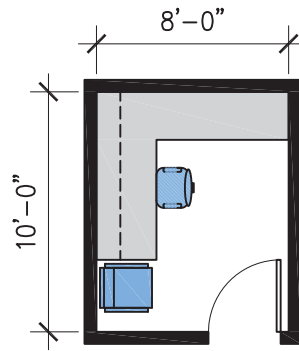


Meeting Room (24)
650 SF

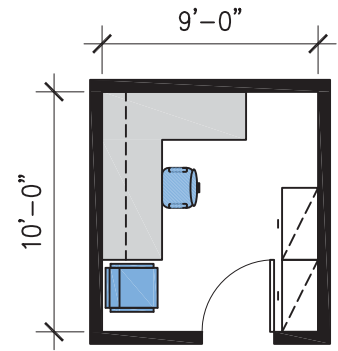




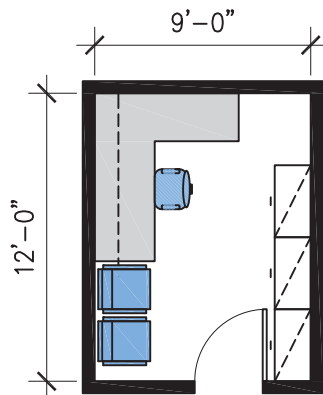
Workstation
60 SF



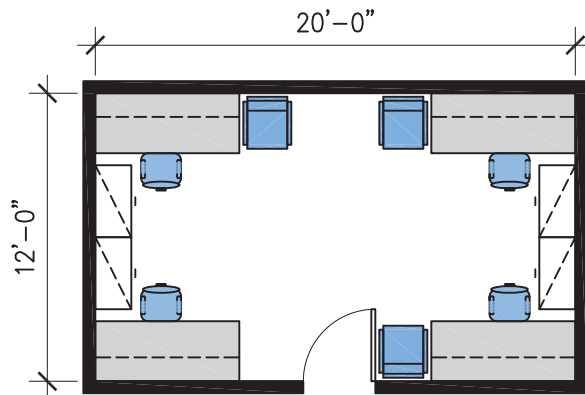
Staff Office
80 SF



Full-Time Faculty
90 SF

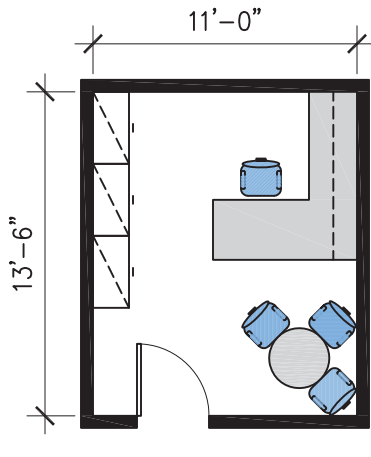


Counselor
110 SF

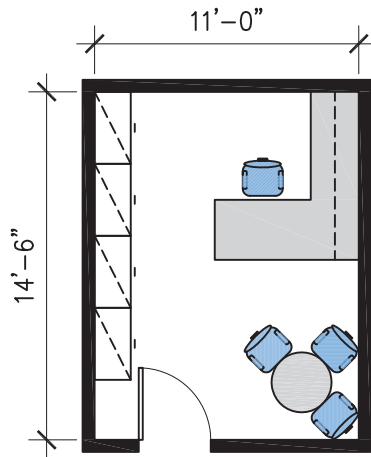


Part-Time Faculty
240 SF

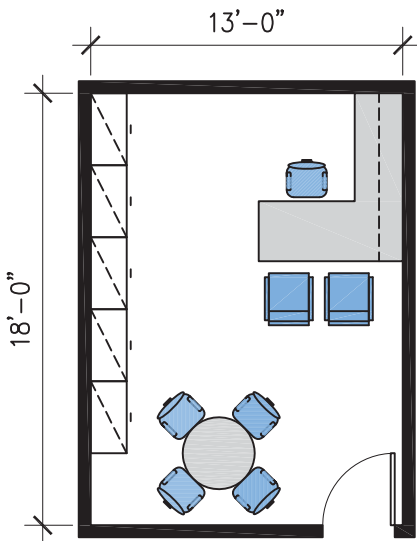




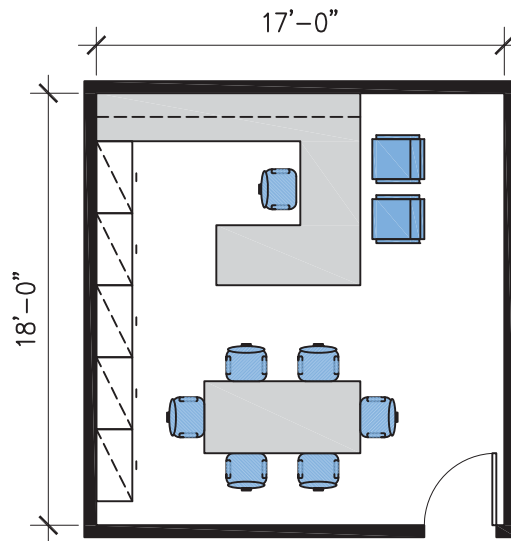
Chair / Director
140 SF



Dean
160 SF



Vice President
240 SF



President
300 SF



7 | Appendix

Appendix

MASTER PLAN UPDATE - WORKSHOP SCHEDULE AND AGENDAS

MEETING SUBJECT

Crafton Hills College Master Plan Update

MEETING ORGANIZER

Steinberg Architects

DATE | TIME

See below | See Below

LOCATION

Crafton Hills College
 LRC - MPR

ATTENDEES

Facilities Master Plan Planning Committee
 Project Management Team
 Steinberg Architects

OBJECTIVE

To update the 2005 Master Plan

AGENDA ITEMS:

Workshop 1 – Goals and Vision

Tuesday, April 26, 2011 @ 11:30 am – 2:30 pm | LRC MPR

Agenda

1. Introduction to process
2. Review of 2005 Master Plan
3. Current state of Campus
4. Review Educational Master Plan priorities
5. Visioning Exercise
6. Identify high, medium, and low facilities priorities

Workshop 2 – Campus-wide Space Utilization & Utility Update

Wednesday, May 4, 2011 @ Time TBD | LRC MPR

Agenda

- Revisit Workshop 1 decisions
- Discuss facility function, goals & priorities
- Identify alignment of, and discord between, facilities and educational priorities
- Discuss proposed location of projects

Workshop 3 – Conceptual Plan

Tuesday, May10, 2011 @ 11:30 pm – 2:00 pm | LRC MPR

Agenda

- Conceptual Master Plan Update
- Land Use Plan
- Building Locations and Massing

Workshop 4 – Final Review

Tuesday, June 7, 2011

Agenda

- Recommended Master Plan
- Guidelines
- Implementation Plan

523 West 6th Street, Suite 245
Los Angeles, California 90014
www.steinbergarchitects.com

MEETING AGENDA

MEETING SUBJECT

Crafton Hills College Master Plan Update - Workshop 1

MEETING ORGANIZER

Steinberg Architects

DATE | TIME

|

LOCATION

Crafton Hills College

ATTENDEES

Facilities Master Plan Committee

Kitchell / BRJ / Seville

Steinberg Architects

OBJECTIVE

To update the 2005 Master Plan

AGENDA ITEMS

- I. **Introduction to process**
- II. **Review of 2005 Master Plan**
- III. **Current state of Campus**
- IV. **Review Educational Master Plan priorities**
- V. **Visioning Exercise**
- VI. **Identify high, medium, and low facilities priorities**

415.683.2000 San Francisco
408.295.5446 San José
213.629.0500 Los Angeles
+86.21.3368.6860 Shanghai

SIGN-IN SHEET

DATE: Tuesday, April 26, 2011
 TIME: 11:30AM

PURPOSE: CHC Master Plan Update Workshop 1
 PLACE: CHC LRC

Steinberg Architects

	NAME	TITLE/DEPARTMENT	PHONE	EMAIL
1	David Hart	Steinberg Architects	213-599-4360	dhart@steinberg.us.com
2	David Freedman	Steinberg Architects	213-599-5108	dfreedman@steinberg.us.com
3	Monica Aguilar	Student Senate -Secretary	(213) 210-5715	moniaquilar5@gmail.com
4	Scott Rippey	CHC Faculty	(909) 389-3356	srippy@sbccd.cc.ca.us
5	MIKE STRONG	CHC	(909) 389-33210	MSTRONG@CRAFTONHILLS.EDU
6	LARRY COOK	CHC M&O DEPTS	909-389-3384	LCOOK@CRAFTONHILLS.EDU
7	TINA M. GIMPLE	CHC Admin Services	389 3211	tmgimple@craftonhills.edu
8	Cheryl Marshall	CHC Instruction	389 3202	cmarshall@craftonhills.edu
9	Glenn Harrison	CHC	389-3200	gharrison@craftonhills.edu
10	Bruce McDonald	K/B/S	909-435-4155	bruce.mcdonald@brjassociates.com

	NAME	TITLE/DEPARTMENT	PHONE	EMAIL
11	Rebecca Warm-Mattatt	Student Services Vice President	909 389 3355	r.mattatt@sccd.cc.ca.us
12	Christopher Walsh	Student Senate President.	909 838 7160	C.walsh1990@gmail.com
13				
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MEETING AGENDA

MEETING SUBJECT

Crafton Hills College Master Plan Update - Workshop 2

MEETING ORGANIZER

Steinberg Architects

DATE | TIME

05.03.11 | 11:30 AM

LOCATION

Crafton Hills College

ATTENDEES

Facilities Master Plan Committee

Kitchell / BRJ / Seville

Steinberg Architects

OBJECTIVE

Influences / Matrix and Preliminary Budget Impacts on Prioritization

AGENDA ITEMS

1. **Revisit Workshop 1 decisions**
2. **Discuss facility function, goals & priorities**
3. **Identify alignment of, and discord between, facilities and educational priorities**
4. **Discuss proposed location of projects**

Steinberg Architects

SIGN-IN SHEET

DATE: Tuesday, May 03, 2011
 TIME: 11:30AM

PURPOSE: CHC Master Plan Update Workshop 2
 PLACE: CHC Master Plan

	NAME	TITLE/DEPARTMENT	PHONE	EMAIL
1	David Hart	Steinberg Architects	213-599-4360	dhart@steinberg.us.com
2	John Wirfs	Steinberg Architects	213-542-1320	johnwirfs@steinberg.us.com
3	LARRY COOK	CHC M&O	909-389-3584	LCOOK@CRAFTONHILLS.EDU
4	Scott Rippy	Faculty - A.S. President	909-389-3356	srippy@sbccd.cc.ca.us
5	* Debrae Boyk	Title V	909-389-3359	dboyk@craftonhills.edu
6	NIKE STRONG	ADMIN SERVICES	909-389-3210	NSTRONG@CRAFTONHILLS.EDU
7	Cheryl Marshall	CHC Office of Instruction	909 389 3202	cmarschal@craftonhills.edu
8	Lina Maria Stimpfle	Administrative COORDINATOR	909 389 3211	lmgimple@craftonhills.edu
9	* KEITH WURTZ	DIRECTOR OF RESEARCH + PLANNING	909-389-3206	KWURTZ@CRAFTONHILLS.EDU
10	Guy Weinstein	PM K&S	909-240-7666	gweinstein@k12hills.com

	NAME	TITLE/DEPARTMENT	PHONE	EMAIL
11	Gloria Hansen	CTIC	(909) 389-3200	
12	Monica Aguilar	student senate secretary	(213) 210-5715	moniaguilar5@gmail.com
13	Rebecca Warren Markat	CHC Student Svs	909 389 3355	rmarla@sbecol.cc.ca.us
14	Bruce Charles McDonald	K/B/S senior PM	909 435 4155	bruce.mcdonald@bjessocraodes.com
15	GEOFF BACHAMAS	PM KITCHEN / PM / SERVICE	909. 435 4154	GBACHAMAS@KITCHEN.COM
16	David Williams	CHC Classified Senate	909-389-3317	dawillia@craftonhills.edu
17	Damaris Mathews	Faculty	389-3314	dmatthe@craftonhills.edu
18				
19				
20				
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22				

CHC MP UPDATE WORKSHOP 2 MAY 3, 2011

MEETING AGENDA

MEETING SUBJECT

Crafton Hills College Master Plan Update - Workshop 3

MEETING ORGANIZER

Steinberg Architects

DATE | TIME

05.10.11 | 11:30 AM

LOCATION

Crafton Hills College

ATTENDEES

Facilities Master Plan Committee

Kitchell / BRJ / Seville

Steinberg Architects

OBJECTIVE

Prioritize Project List / Matrix and Budget Impact on Prioritization

AGENDA ITEMS

- I. **Conceptual Master Plan Update**
- II. **Land Use Plan**
- III. **Building Locations and Massing**

SIGN-IN SHEET

Steinberg Architects

DATE: Tuesday, May 10, 2011
 TIME: 11:30AM

PURPOSE: CHC Master Plan Update Workshop 3
 PLACE: LRC Community Room

	NAME	TITLE/DEPARTMENT	PHONE	EMAIL
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CRAFTON HILLS COLLEGE VISION MATRIX
 11711 Sand Canyon Road, Yucaipa, CA 92399
 05/10/11

NO.	ITEMS	CATEGORIES								TOTALS	REMARKS	
		STUDENTS	SUSTAINABILITY	GROWTH	OPERATIONAL EFFICIENCY	ED PLAN	BOND LANGUAGE	OPPORTUNITIES	QUALITIES OF LEARNING			LIMITATIONS
1	APPROPRIATE CLASSROOMS	10	4	10	6	3	7	1	4	0	45	Foundational item
1a	New Science Building											
1b	New OE2 Building											
1c	Campuswide Comprehensive Renovations											Math, English, BS, Speech, Foreign Language, Science Labs
1d	6-8 (40) Seat Classrooms											More Flexible
1e	Arts											Better lighting and ventilation
1f												
2	RENOVATION/MODIFICATION	4	4	4	2	0	4	4	3	0	25	Foundational item
2a	Science Building											
2b	OE2											
2c	Seismic Repairs											Library, Lab-Admin Bridge, College Center, SS South, SS West, Gym, OE #1, Performing Arts Center
2d												
2e												
2f												
3	INFRASTRUCTURE	6	6	4	4	3	0	1	2	2	28	Foundational item
3a	Electrical											
3b	Fire Alarm											
3c	Security											
3d	Re-visit Central Plant											
3e	HVAC Controls											
3f	Internet Bandwidth											
3g												
3h												

MEETING NOTES

MEETING SUBJECT

CHC Master Plan Update Staff Presentation

NOTES TAKEN BY

David Freedman

DATE | TIME

05.11.11 | 12:00 PM

LOCATION

CHC LRC Community Room

ATTENDEES

Gloria Harrison (GH) / CHC

Mike Strong (MS) /CHC

Cheryl Marshall (CM) / CHC

Admin and Faculty: 25 attendees

David Hart (DH) / Steinberg

David Freedman (DF) / Steinberg

OBJECTIVE

Present the status of the Master Plan Update progress to interested administrative staff and faculty.

ITEM ID NOTES

- 1 DH began with a restatement of the Master Plan's purpose: *"To ensure the facilities Master Plan and prioritization of capital projects for Crafton Hills College is fully aligned with the Educational Master Plan and long range strategic plan for the College"*
- 2 The needs of the campus have changed over the past 6 years due to funding availability and reductions in enrollment, rather than increases. Therefore, the need to update the Master Plan to reflect the realities of the current conditions and revised projections for growth and realistic funding capacities.
- 3 Parking Structure #1, at the western end of the campus, was previously intended to provide for projected parking needs act as a funnel into the western buildings where student services were to be located, essentially creating a new front door to the campus. At the current time this building is being reviewed by DSA, but construction is on hold pending the outcome of the Master Plan Update findings.
- 4 The 2005 and the current Master Plan Update effort are founded in the needs of the community and how the College can best respond to those needs.
- 5 Three Master Planning workshops, led by Steinberg Architects, have been held over the past three weeks. These sessions have focused on discovering the current state of the College's needs, wants and requirements.
- 6 With the input from the planning committee, Steinberg Architects was able to identify eight influences & drivers to reaching a prioritized list of future projects:

Bond Language (what can and can't be pursued according to the approved bond)
 Education Plan (how to align the Master Plan with operational efficiencies and growth planning of the Ed Plan)
 Operational efficiencies
 Sustainability
 Students (what will enhance the student experience, both educationally and physically)
 Limitations (funding, CEQA, etc.)
 Qualities of Learning (matching of facilities to requirements of teaching)
 Opportunities (grants, local entrepreneurs, 3rd party business)

Nine items that can be related to projects were also identified by Keywords:

Appropriate Classrooms
 Renovation/Modifications
 Infrastructure
 One Stop Shop
 Energy
 Campus Wide Environmental
 Security/Safety
 Workspace: Offices for Faculty & Staff
 Wayfinding

- 7 Explanation of "Priority Matrix":
 Once the Master Plan influences were identified, the key words listed above were listed in rows with the Influences listed in columns. Workshop participants were requested to "vote", by placement of colored dots, for their perception of the importance of the Influences on the project Keywords. The votes were then tallied to develop a prioritized ranking of the project Keywords and Influences.
- 8 Subsequently, the Committee and Steinberg Architects were able to identify potential projects and rank them as "High", "High/Medium" or "Medium" priority. Buildings that require either seismic and/or ADA alterations have been identified. By identifying the number of Lecture or Lab rooms in each building, their utilization and how the spaces are used, we will be able quantifiably make judgments as to the wisdom of renovating or removing a building. This will help the team "right-size" the buildings that had previously been defined by either projected growth or the availability of State funding.
- 9 One approach to conserving available funds is to add to existing buildings with only the necessary spaces to compliment the buildings use, rather than demolishing and rebuilding a structure that can be saved or re-purposed.
- 10 Steinberg Architects will perform an analysis of the cost to upgrade the gymnasium building vs. tearing it down and building studio style classrooms adjacent to the aquatic center.

- 11 The existing Library building is slated to be demolished. Its' site is considered highly important to the life of the center of campus. The general consensus is that the site will best lend itself to a multi-use iconic structure that may contain faculty, administration and student services, plus some food services or other destination activity. The building should encourage activity and access on all four sides in order to activate the plaza and the surrounding landscaped courtyards, perhaps with a formal north and east face and an informal western and southern face. Studies have indicated that people tend to congregate on the edges of large spaces rather than in the center. Additional seating and shade could be clustered around the Quad to enhance its' character.

- 12 There was discussion regarding methodologies to enliven the Quad despite concerns that students do not spend a lot of time on campus. They were depicted as arriving shortly before class and departing soon after. The observation that many students spend the short time prior to class in their cars speaks to the fact that there are not many enticing exterior or interior areas to congregate on campus. This can be addressed by creating inviting spaces on a direct path between the parking lots and the campus buildings. These spaces would be protected from the wind and sun and be co-located or be close to some type of food venue. Additionally, it was suggested that students require a place where they can store personal food and have the ability to prepare a meal and eat in comfortable surroundings.

- 13 Steinberg Architects will be continuing to refine the Master Plan, identify priority projects and with the College's construction management firm, prepare estimates of probable cost that will be used to finalize what projects will be able to move forward in the short and long terms with the available funding.

DISTRIBUTION ALL ATTENDEES OTHER:

Steinberg Architects will rely on these notes as the approved record of matters discussed and conclusions reached during this meeting unless the author receives written notice to the contrary within seven calendar days of the issue date of this meeting report.

Meeting Notes (Continued)

CHC Master Plan Update Staff Presentation

Page 3 of 3

MEETING AGENDA

MEETING SUBJECT

Crafton Hills College Master Plan Update - Workshop 4

MEETING ORGANIZER

Steinberg Architects

DATE | TIME

06.21.11 | 11:30 AM

LOCATION

Crafton Hills College

ATTENDEES

Facilities Master Plan Committee

Kitchell / BRJ / Seville

Steinberg Architects

OBJECTIVE

Utilization Analysis and Master Plan Scenarios to Attain High Priority Campus Objectives

AGENDA ITEMS

- I. Introductions**
- II. Existing Facility Utilization Diagram/ Existing Facility Utilization Floor Plans**
- III. Review of Master Plan Scenarios- Methods of addressing high priority items**
 - 1. New Construction Option
 - 2. Renovation Option
 - 3. Balanced Option
- IV. Next Steps**

SIGN-IN SHEET

DATE: Tuesday, June 21, 2011
 TIME: 11:30AM

Steinberg Architects

PURPOSE: CHC Master Plan Update- Utilization and Master Plan Scenarios
 PLACE: LRC Community Room

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MEETING NOTES

MEETING SUBJECT

Crafton Hills College Master Plan Update - Workshop 5

NOTES TAKEN BY

David Freedman

DATE | TIME

06.28.11 | 11:30 AM

LOCATION

Crafton Hills College

ATTENDEES

Gloria Harrison / CHC

Rick Hrdlicka / CHC

Mike Strong / CHC

Ralph Rabago / CHC

Jeff Bachanas / Kitchell/BRJ/Seville

Bruce McDonald / Kitchell/BRJ/Seville

David Freedman / Steinberg Architects

OBJECTIVE

CHC Programming

ITEM ID NOTES

- 1 Discussion of demolition of existing Gym with smaller replacement vs. renovation with no expansion. Concerns for demolition:
 - If the gym is demolished and another facility takes its place, the department will lose the ability to expand their program.
 - Sport is less important every time the facilities are reduced.

- 2 The preferred location for a new facility would be adjacent to the west side of the CRF. Placement in front of the Gym would place the building too close to Campus Drive. Locating near the CRF would allow for classes to continue to be taught in the existing Gym while the new facility is constructed.

- 3 Health Program Requirements:
 - (1) Fitness Room (2,400 SF)
 - (2) Offices (100 SF ea.)
 - (1) Storage (200 SF)
 - (2) Dance/Yoga (1,400 SF ea.)
 - (2) Locker Room (1,200 SF ea.)
 - Maximize external circulation
 - Provide cross ventilation

- 4 All Math classes will not be included in the new Science building.

- 5 There are typically 11 lab sections taught per Lab room

- 6 Only two chemistry labs are required in the new building

7 Biology and Chemistry will be in the new facility. Physics will remain in its current location.

8 Physical Sciences Requirements:

- (2) Geology Labs (2,000 SF)
- (1) Astronomy Lab (1,400 SF ea.)
- (1) Physics Lab (2,200 SF)
- Geology requires more space than they currently occupy, including additional storage.

9 2 Micro labs are currently being installed in the Tennis court modulars. These will be moved to the new Science building and their space in the modulars reassigned. For each Class, there are 2 hours of Lab. The second modular building houses 2 math lecture rooms.

10 Science Requirements:

- (2) Chemistry Wet Labs (2,000 SF)
- (2) Micro-Biology Labs (2,000 SF ea.)
- (1) Anatomy Lab (1,400 SF)
- (1) Swing Lab initially set up as a Lecture room (1,400 SF ea.)
- (1) Biology Lab (1,400 SF ea.)
- Lecture rooms to be distributed around campus
- Provide cross ventilation

The Labs should be designed on a 2 unit module with support area between. Therefore, 2 additional swing spaces should be planned rather than 1.

11 Classroom building #5 will house English classes that are capped at 23 students, by the state. The 3 rooms currently on each floor can be converted to a 2 rooms for 30 students each.

12 Health & Chemistry Current Labs

Program	Room #	ASF	Stations
Geology	106	1,177	20
Astronomy/Physics	115	1,303	24
Life Sciences	201	1,170	27
Life Sciences	211	1,172	32
Physiology/ Anatomy	225	1,340	45
Respiratory	123	1,687	45
Chemistry	232	1,959	32
Chemistry	238	1,959	32
Micro-Biology	Modular	1,800 (verify)	
Micro-Biology	Modular	1,800 (verify)	

Meeting Notes (Continued)

Crafton Hills College Master Plan Update - Workshop 5

Page 2 of 4

13 Health & Chemistry Current Lecture Rooms

Program	Room #	ASF	Stations
LADM	121	1,133	84
LADM	304	941	51
Gym	#1	927	20
Gym	#2	420	32
Gym	#3	536	6
Chemistry	127	820	30
Chemistry	237	886	50
Chemistry	242	1,126	68

14 Health & Chemistry Current Offices

Program	Room #	ASF
Geology	105	90
Geology	107	185
Physics	116	199
Physics	118	98
Life Sciences	202	90
Life Sciences	210	90
Life Sciences	226	86
Gym	104	82
Gym	105	101
Gym	106	77
Gym	109	80
Gym	111	81
Gym	112	82
Gym	113	82
Gym	115	80
Respiratory	124	125
Respiratory	125	125
Respiratory	129	87
Respiratory	130	144

Meeting Notes (Continued)

Crafton Hills College Master Plan Update - Workshop 5

Page 3 of 4

MEETING AGENDA

MEETING SUBJECT

Crafton Hills College Master Plan Update - Workshop 6

MEETING ORGANIZER

Steinberg Architects

DATE | TIME

07.07.11 | 11:30 AM

LOCATION

Crafton Hills College - Kitchell/BRJ/Seville Trailer

ATTENDEES

Crafton Hills College
Kitchell/BRJ/Seville
Steinberg Architects

OBJECTIVE

One-Stop Center Program

AGENDA ITEMS

- I. Introductions**
- II. Existing Student Services Departments**
- III. Current Facilities/ Locations**
- IV. Programming Outline- New One Stop Center**
- V. Next Steps**

MEETING NOTES

MEETING SUBJECT

Crafton Hills College Master Plan Update - Workshop 6

NOTES TAKEN BY

David Freedman

DATE | TIME

07.07.11 | 11:30 AM

LOCATION

Crafton Hills College - Construction Trailer

ATTENDEES

Debbie Bogl / CHC

Jose Cabrales / CHC

Larry Cook / CHC

Karen Childers / CHC

Gloria Harrison / CHC

Ericka Paddock / CHC

Mike Strong / CHC

Keith Wurtz / CHC

Geoff Bachanas / Kitchell/BRJ/Seville

Bruce McDonald / Kitchell/BRJ/Seville

David Freedman / Steinberg

David Hart / Steinberg

Jefferson Schierbeek / Steinberg

John Wirfs / Steinberg

OBJECTIVE

One-Stop / Student Center Programming

ITEM ID NOTES

- 1 Proposed departments/programs to be included in the new One-Stop/Student Center:
 - Student Life / Welcome Center
 - Administration
 - Financial Aid
 - Admissions & Records
 - Health & Wellness
 - Transfer/Honors/Career
 - Central Mailroom
 - Food Service / Convenience Store
 - Bookstore
 - Bursar/Cashier

- 2 The Student Life areas were discussed:
 - 2 FT staff, Erica – director & Michele – Secretary
 - Conference for 15-20 members of student government who meet 12-15 times a week.
 - Open office space for two workstations
 - 2 student accessible computer work stations
 - Flexible furniture that can be reconfigured

- 2 group meeting rooms
 - Workspace with counter for making posters and other campus related activities
 - 15-30 person social “hang-out” space
 - Information Counter
 - Student ID counter and waiting area for 10-15 students. During peak times, 30 students could be waiting for an ID.
 - Adjacent to food/coffee/bookstore and Welcome Center
- 3 The Welcome Center spaces were discussed:
- 1,200 – 1,500 SF
 - Smart Class Room can be used for either classes or orientations
 - 8 Self-service computer stations.
 - 2 Counselors offices
 - Adjacent to Student Life and Financial Aid/A&R
- 4 The Administration spaces were discussed:
- Staffing: 13 FT and 1 work/study student
 - Gloria’s office to have a small table for conferencing
 - Large conference room for 15-20 people
 - Small conference room for 6-8 people
 - Kitchen/Break Room
 - Storage for President’s Assistant’s files, VP’s Assistant files,
 - Waiting area for Rebecca
 - CHC Foundation Office & materials storage
 - Work Room
 - Technology/Data/Server Room
- 5 The Financial Aid spaces were discussed:
- 6 FT staff, 3 PT student workers
 - Currently transitioning over the next 2 years to all electronic records. At that time, the department will still require a vault, but on-site storage requirements will be greatly diminished.
 - Lobby
 - Service counter
 - 2 offices
 - 4 work stations for staff
 - 2 work stations to meet with students
 - 6 computer work stations for use by students
 - Storage
 - Should be located directly adjacent to Admissions & Records
- 6 The Admissions & Records spaces were discussed:
- 7 FT staff
 - Service Counter
 - Lobby

Meeting Notes (Continued)

Crafton Hills College Master Plan Update - Workshop 6

Page 2 of 4

- Confidential conference for dealing with Student privacy issues
 - 4 shared computer workstations for self-registration
- 7 The Health & Wellness spaces were discussed:
- Staff: Coordinator, secretary, 2 nurses, 1 mental health specialist, 1 nurse practitioner & 2 student workers)
 - Mental Health office requires high acoustical separation
 - Health education is a large part of the departments function
 - DSPS has 2 electric carts that require power for charging
 - Ambulance access is not currently a problem, but needs to be considered in a new facility
 - Storage/Work Room
 - Re-confirm number of exam and treatment rooms required.
 - Reception area and desk
- 8 The Transfer/Honors/Counseling & Career Center spaces were discussed:
- 3 FT Counselors + 8 Adjunct staff + 5 student workers
 - Current lobby space is insufficient during peak periods (+/- 8 weeks in fall and 6 weeks in spring)
 - Work Room
 - Break Room
 - Currently occupy 9 offices
 - Large Testing Room
 - Small Testing Room
 - Conference Room for 8 people
- 9 The Central Mailroom was discussed:
- General discussion regarding positives & negatives. Currently mail is delivered to each department. Centralizing the mail would free up one staff member who normally makes deliveries. Downside is a change to the Campus culture and its impact on faculty.
- 10 The Food Service spaces were discussed:
- The current food service facility has been losing, on average, \$10,000 per year and is not sustainable in the current economy. Due to the size of the campus, the students are never very far from their cars and a trip down the hill for food can be fit-in between classes.
 - Per Gloria, the Campus does not need a fryer or a grill. Pre-prepared food can be stored and sold as a part of the Convenience store and self-preparation area. Cold and dry storage will be required to service this area.
 - In workshop #2, it was suggested that an area be set aside for students to prepare their own meals. This can be incorporated into the Convenience Store.
- 11 The Bookstore spaces were discussed:
- This was not discussed in detail. There was concern regarding service to both

SIGN-IN SHEET

DATE: Thursday July 7, 2011
 TIME: 11:30AM

Steinberg Architects

PURPOSE: CHC Master Plan Update- Master Plan Scenarios- One Stop Programming
 PLACE: Construction Trailer

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13	Gloria Harrison	CHC		
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MASTER PLAN UPDATE – WORKSHOP 7- AGENDA

MEETING SUBJECT

Crafton Hills College Master Plan Update

MEETING ORGANIZER

Steinberg Architects

DATE | TIME

07.19.11 | 11:30 AM

LOCATION

LRC Multi-Purpose Room

ATTENDEES

Selected Department Representatives

CHC Building Committee

Project Management Team

Steinberg Architects

OBJECTIVE

Review Proposed Programs, Cost & Locations

AGENDA ITEMS

- I. Introductions**
- II. Qualitative Aspects of Class, Lab, Office, and Conference**
- III. Proposed Projects**
 - a. One Stop
 - b. OE2
 - c. Science
 - d. PE/Athletics
- IV. Master Plan**
- V. Next Steps**

MEETING NOTES

MEETING SUBJECT

Crafton Hills College Master Plan Update - Workshop 7

NOTES TAKEN BY

John Wirfs

DATE | TIME

07.19.11 | 11:30 AM

LOCATION

Crafton Hills College - LRC Multi-Purpose Room

ATTENDEES

Debbie Bogh / CHC

Karen Childers / CHC

Larry Cook / CHC

Tina Mari Gimple / CHC

Gloria Harrison / CHC

Cheryl Marshall / CHC

Scott Rippy / CHC

Mike Strong / CHC

Rebecca Warren-Marlatt / CHC

David Williams / CHC

Keith Wurtz / CHC

Geoff Bachanas / Kitchell/BRJ/Seville

Bruce McDonald / Kitchell/BRJ/Seville

Mark Newton / Kitchell/BRJ/Seville

Gary Weinstein / Kitchell/BRJ/Seville

David Hart / Steinberg

Jefferson Schierbeek / Steinberg

John Wirfs / Steinberg

OBJECTIVE

Review Proposed Programs, Cost & Location

ITEM ID NOTES

- 1 John Wirfs presented diagrams for Classroom, Lab, Office and Conference spaces. The following spaces were removed from the standards list:
 - 30 Station Classroom
 - 6 Person Conference – it was noted that these may appear in renovation projects and/or adjacent to faculty offices

It was noted that future classrooms should plan for maximum flexibility and 40-50 stations.

- 2 Jefferson Schierbeek presented the Revised Measure M Project List. The following items were discussed:
 - SA to confirm Lecture/Lab counts
 - M&O project to include mezzanine scope for renovation
 - M&O to utilize the Bookstore Modular as offices and renovation of existing M&O space for consolidated storage
 - Estimated swing space cost to be included in project budgets if needed

- 3 David Hart presented Master Plan options. The following items were discussed:
 - One-Stop Building location was accepted by consensus
 - OE2 Replacement location was accepted by consensus – this option will require swing space
 - PE/Athletics Building location north of the service road and south of the pool with a buffer to Campus Drive was accepted by consensus
 - Science Building location – user group requested cost implications for original planned location south of LADM (Science Alt #4) and north of CHS (Science Alt #3 Modified). Construction access and impact on campus operations and possible EIR implications to be analyzed.

- 4 SA to send the Revised Measure M Project List with project titles and brief descriptions to Kitchell/BRJ/Seville.

- 5 It was noted that moving cost were not currently factored into budgets. Mike Strong requested that moving cost be carried in the project budgets.

- 6 The following dates and tasks were identified as next steps:
 - **August 5** – SA to submit draft Master Plan Update document via email to Kitchell/BRJ/Seville for distribution to the user group
 - **August 22** – Comments from the user group due back to Kitchell/BRJ/Seville to be sent to SA
 - **August 30, 11:30AM** – Final meeting to review the final draft of the document and address comments

DISTRIBUTION ALL ATTENDEES OTHER:

Steinberg Architects will rely on these notes as the approved record of matters discussed and conclusions reached during this meeting unless the author receives written notice to the contrary within seven calendar days of the issue date of this meeting report.

Meeting Notes (Continued)

Crafton Hills College Master Plan Update - Workshop 7

Page 2 of 2

Steinberg Architects

SIGN-IN SHEET

DATE: Tuesday, July 19, 2011
 TIME: 11:30AM

PURPOSE: CHC Master Plan Update
 PLACE: Learning Resource Center

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13	Gloria Harrison	CHC		
14	Jana Marie Sample	ADMIN SRVCS.		
15	Rebecca Warm-Mantel	VPSS	3355	
16	Paul M... <i>(Signature)</i>	Director DRP	3355	
17	David Williams	Instructional / Tutoring Assessment / Math	3317	
18	Geoff B... <i>(Signature)</i>	KITCHELL BLDG / SEVINE		
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