

State University of New York at Fredonia



FACILITIES MASTER PLAN
CAPITAL PLAN YEARS 2013-2023
Phase Three : Analysis of Space Needs

FINAL PROOF SET
MAY 9, 2011

Prepared for:

STATE UNIVERSITY CONSTRUCTION FUND

and

SUNY FREDONIA

Project No: 05823

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Executive Summary

Overview

SUNY Fredonia began a comprehensive Facilities Master Plan (FMP) in December 2009. In support of this process, Rickes Associates (The Master Planning Team) was tasked with determining the current and 2023 projected types, quantities, and assignable square feet of spaces needed by the College and conducting an analysis of the factors that drive space needs. This executive summary presents the key findings of the resulting report for this time frame.

Enrollment and Staffing Projections

Enrollment Projections

Headcount enrollment is expected to increase from 5,775 students in Fall 2009 to 6,000 students in Fall 2023, an increase of 3.9%. The number of full-time equivalent students (FTE) is projected to increase from 5,637.0 FTEs in Fall 2009 to 5,865.2 in Fall 2023, a 4% increase.

Personnel Projections

Between Fall 2009 and Fall 2023, headcount personnel are expected to increase from 1,548 to 1,825 persons. The largest nominal growth, at 170 persons, is projected for Academic Affairs, as it increases the number of full-time faculty, reduces the number of adjunct faculty, and hires additional faculty for new programs. Administrative Services will grow by 60 persons to alleviate current staffing shortages and support new facilities. The projected 22-person increase in Student Affairs is a response to anticipated co-curricular programming and student support needs as more housing comes online.

Distribution of Existing Space

Physical Space Inventory (PSI) data for Fredonia was categorized and aggregated by building, type, and department to determine the quantity, distribution, and types of existing space. The College occupies 49 buildings, comprising 1,255,839 assignable square feet (ASF) at the Fredonia Campus and 12,851 ASF at the Incubator in Dunkirk for a total of 1,268,690 ASF. The total area of the Fredonia Campus, excluding residence facilities, is 804,499 ASF. The three largest buildings at SUNY Fredonia, in terms of total assignable area, are the Rockefeller Arts Center (82,633 asf), Thompson Hall (72,578 asf), and the Williams Center (64,498 asf). Together these three buildings hold over 17 percent of

all the assignable space on campus. In terms of assignable academic space, the Mason complex at 62,400 asf, comprising the four Mason entries in what is essentially one building, would supplant the Williams Center as the third largest.

Residence facilities occupy the largest share of space on campus at 36.6% of total ASF. Special use facilities and laboratory facilities occupy the second and third largest shares of space at 11.0% and 10.6% of total ASF, respectively. Just over 27% of all SUNY Fredonia space is used for instructional classroom, laboratory, and research use (PSI space code types 1000, 1300, 1500, and 2000), and over 20% percent of campus space is reserved for faculty and staff office use (space codes 3000, 5000, and 6000, respectively). Together, these two program areas represent roughly half of all campus space.

In terms of departmental distribution, Residence Hall – Administration occupies the largest share of space at 33.97% of total ASF. Health and Physical Education occupies the second largest shares of space at 8.26% of total ASF. Food Service-FSA Contract, General Library, Theatre Arts, and Music - General Operations each occupy between 4.43% and 4.90% of total ASF. Campus Wide Facilities, Student Union, Visual Arts & New Media, and Biology each occupy between 2.43% and 3.63% of campus ASF. All other departments and administrative units occupy 1.71% or less of total space.

Instructional Space Utilization

Overview

Utilization of general-purpose classrooms and specialized instructional (Specialized Instructional) spaces was analyzed according to assignable square feet per station (ASF/station), station occupancy, and weekly room hour utilization. Findings and applicable planning guidelines were then compared to identify current and projected space “gaps”.

Creation of the Data Set

Data for Fall 2009 course meeting days, times, and locations were collected from the Office of the Registrar. Information regarding instructional spaces was obtained from the Physical Space Inventory (PSI).

General-Purpose Instructional Spaces: Utilization Findings

Fredonia has a total of 55 general-purpose instructional spaces comprising 48,437 ASF and 2,984 stations in 10 buildings. Of these, 48 spaces were general-purpose classrooms seating 74 students or less, containing a total of 30,694 ASF and 1,768 stations. The seven lecture halls seating 75 or more students contained 17,743 ASF and 1,216 stations. Thompson and Fenton Halls account for 60% of all classroom spaces at 31% and 29% of all classrooms, respectively. McEwen Hall contains four of the seven lecture halls on campus.

Station Size and Room Capacities

Classroom station sizes ranged from 13.8 ASF/station in Thompson Hall E316, with 26 stations, to 26.8 ASF/station in Thompson Hall E305, with 41 stations. Classroom capacities range from 19 seats in Thompson Hall E384 to 70 seats in Mason Hall 2019. Average classroom capacity is 37 seats and modal capacity is 24 seats. Lecture hall station sizes ranged from 12.3 ASF/station in Thompson Hall W101, with 195 stations, to 17.7 ASF/station in McEwen Hall 202, with 209 stations. Lecture hall capacities range from 104 seats in McEwen Hall G24 and G26 to 319 seats in McEwen Hall 209. Average lecture hall capacity is 174 seats and modal capacity 104 seats. The Figure 1 on next page shows the distributions of general-purpose instructional spaces by capacity.

Course Enrollments

The Figure 2 on next page presents the number of courses offered during Fall 2009 in each of 21 enrollment categories corresponding to the room capacity categories in Figure 1. Comparison of the two charts illustrates how well the distribution of classroom and lecture hall capacities at Fredonia matches the distribution of course enrollments.

Analysis of these courses yielded the following findings:

- Enrollments for courses scheduled in general-purpose instructional spaces ranged from one to 201 students, with most courses enrolling between 20 and 39 students.
- Course enrollments in classrooms ranged from one to 73 students.
- The mean enrollment for courses held in classrooms was 24 students; the modal enrollment was 20 students.
- Course enrollments in lecture halls ranged from seven to 234 students.
- The mean enrollment for courses held in lecture halls was 68 students; the modal enrollment was 40 students.

Figure 1: Count of General-Purpose Instructional Spaces by Room Capacity Category

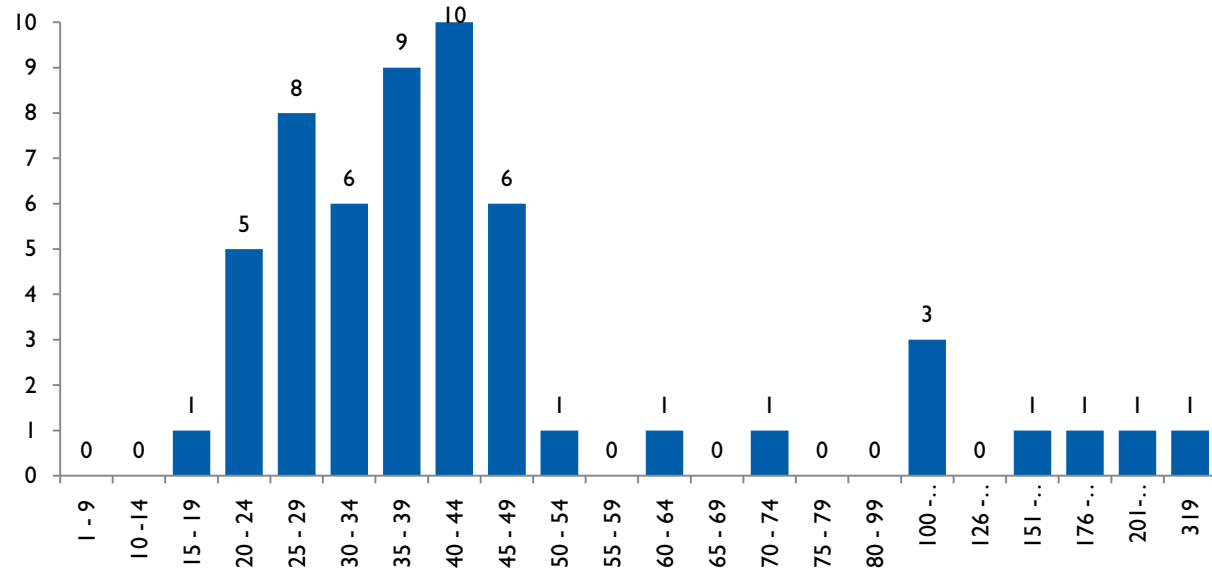
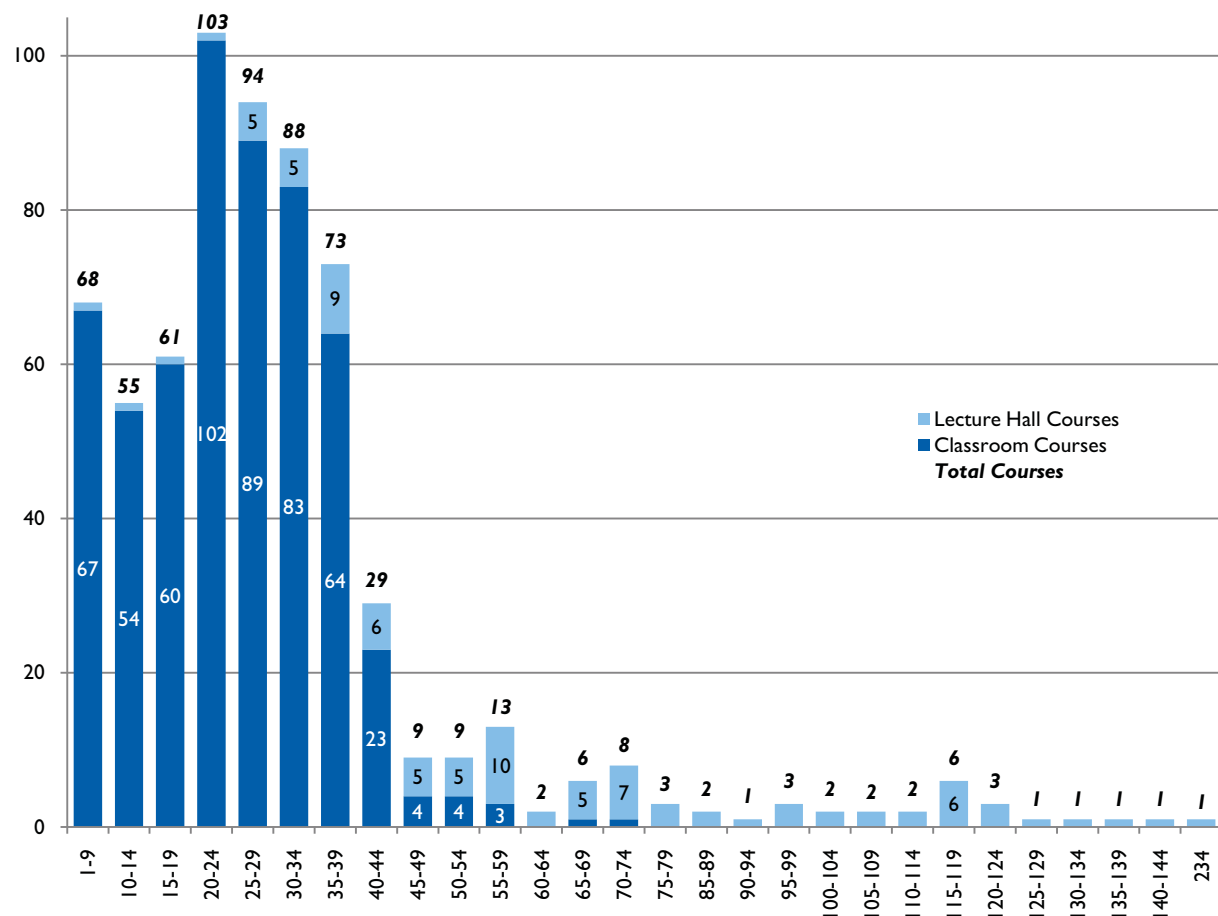


Figure 2: Count of Courses by Enrollment Category



Weekly Room Hour Utilization Rates and Station Occupancy

Space planning guidelines recommend scheduling classrooms and lecture halls for 67% of the scheduling window. SUNY guidelines recommend scheduling classrooms for 75% of the scheduling window.

Analysis of weekly room hour utilization was based on a weekly, daytime, Monday through Friday scheduling window of 40 hours, resulting in 2,200 schedulable weekly, daytime hours available in Fredonia's 55 general-purpose instructional spaces. The 1,597.40 weekly, daytime hours of instruction scheduled in these spaces across 647 courses during Fall 2009 yielded an average weekly room hour utilization rate of 72.6%.

- Based on 1,920 weekly daytime hours available in 48 spaces and 1,330.9 hours of instruction offered across 555 courses, Fredonia's classrooms were scheduled an average of 69% of the weekly daytime scheduling window.
- Weekly hour utilization ranges for classrooms ranges from 4% in Grissom Hall A122 to 103% in Fenton Hall 158 and 166.
- Based on 280 available hours in seven spaces and 226.5 hours of instruction offered across 92 courses, Fredonia's lecture halls were scheduled an average of 81% of the weekly daytime scheduling window.
- Weekly utilization ranges for lecture halls ranged from 63% in McEwan Hall 209 to 93% in McEwan Hall G26.
- Space planning guidelines recommend that two-thirds of a classroom's seats be occupied when a classroom is scheduled. SUNY guidelines call for 80% of a classroom's seats be filled. On average, Fredonia's classrooms had 62% of their seats filled when scheduled.
- Space planning and SUNY guidelines recommend that 80% of a lecture hall's seats be occupied when a lecture hall is scheduled. On average, Fredonia's lecture halls have 41% of their seats occupied when scheduled.

Time Blocks

Implementation of standard scheduling time blocks is imperative to ensure optimal classroom use. Even though Fredonia has 96 time blocks, it schedules 81% of all course offerings within the 12 standard blocks. If there were less space available, and/or a tighter scheduling window, there would be a serious conflict between classroom needs and classroom availability on campus, indicating that these rooms are used appropriately based on number of hours, but could accommodate larger section sizes.

Classrooms: Recommendations

Recommendations for classrooms seating less than 75 persons assume a 40-hour scheduling window, 67% weekly hour utilization, 67% seat occupancy, and 22 ASF/station. There is a current, 2009 need for 50 classrooms containing 1,890 stations and 41,580 ASF to support then-current enrollment of 5,637 FTE. This is in contrast to the 48 existing classrooms. Based on the projected growth in enrollment by 2023 to 5,865.2 FTE and course sizes remaining stable, Fredonia will need 52 general-purpose classrooms containing a total of 1,960 stations and 43,120 ASF, in a different distribution of room capacities.

The Table 3 on the following page presents the existing distribution of classrooms, recommended current need, and projected 2023 need by classroom capacities.

Lecture Halls: Recommendations

Recommendations for lecture halls seating 75 or more persons assume a 40-hour scheduling window, 67% weekly hour utilization and 80% seat occupancy. An average 18 ASF/station was applied to lecture halls with 75 to 249 stations and 15 ASF/station to lecture halls with 250 or more stations. There is a current, 2009 and 2023 projected need for 8 lecture halls containing 17,100 ASF and 1,000 stations to support then-current and projected FTE enrollment. This is in contrast to the seven existing lecture halls.

Figure 4 on next page lists the existing lecture halls along with the calculated need to support credit-bearing courses.

Given the significant capital investment required to build or alter lecture halls, the table 5 proposes scenarios for achieving the recommended distribution of lecture hall capacities while retaining existing spaces.

The proposal presented in the table above retains the present complement of lecture halls and suggests three new ones of 75 stations each. In sum, the ideal would be:

- Three lecture halls at 75 stations each: 4,050 ASF total.
- Two lecture halls at 200 stations each: 3,600 ASF total.
- One lecture hall at 125 stations: 2,250 ASF.
- One lecture hall at 150 stations: 2,700 ASF.
- One lecture hall at 300 stations: 4,500 ASF.

This totals 17,100 ASF vs. the 21,793 ASF that would exist in a hypothetical array of ideal and existing lecture halls.

General-Purpose Instructional Space: Overall Recommendations

The total need for classroom space must take into account both general support (estimated at 10% of the overall need) as well as some dedicated departmental spaces.

Current Need

Based on Fall 2009 enrollments, there is a current need for 66,766 ASF of general-purpose instructional space. This is the sum of the calculated instructional need, support space, and those spaces maintained/programmed for specific departments and is summarized below.

	ASF
Classrooms and Lecture Halls	58,660
Support Space at 10% Of Classroom and Lecture Hall Space	5,868
Departmental Classrooms (maintained)	+ 2,218
Total Current Need	66,766

2023 Projected Need

The projected 2023 need for general-purpose instructional space is 98,106 ASF, based on a projected 3.5% increase in enrollment. The projected need is the sum of the following:

	ASF
Classrooms and Lecture Halls	60,220
Support Space at 10% Of Classroom and Lecture Hall Space	6,022
Departmental Classrooms (maintained)	+ 2,218
Total Current Need	68,460

Specialized Instructional Spaces: Utilization Findings

Fredonia has a total of 46 Specialized Instructional spaces containing 48,610 ASF and 1,223 stations. Specialized Instructional spaces can be found in 10 buildings. Rockefeller Arts Center, Houghton Hall, and Jewett Hall contain the largest shares of Specialized Instructional ASF at 32% in 14 spaces, 29% in 12 spaces, and 16% in 8 spaces, respectively.

Station Size and Room Capacities

Room capacities range from one station in Mason Hall Annex 1055 to 160 in Dods Hall 148. Modal capacity is 24 stations. Average station size is 39.7 ASF/station, though station size varies by discipline. Station sizes range from 13.2 ASF/station in Thompson Hall E128 to 240 ASF/station in Mason Hall Annex 1055. Guideline Specialized Instructional station sizes vary from discipline to discipline, and should not be analyzed outside their context.

Course Enrollments

There are 143 unique courses scheduled in 34 Specialized Instructional spaces at Fredonia; 12 spaces were unscheduled in Fall 2009. Unique courses are identified by their assigned individual course numbers, and each includes only a single section of a single course.

- Across the 143 unique courses scheduled in Specialized Instructional spaces, the lowest course enrollment was two students reported for GEO459-01, Seminar in Geosciences, held in Houghton Hall 107, a room with 36 stations, and ARTS400-01, Senior Seminar, held in Rockefeller Arts Center 321, a room with 24 stations.
- The highest enrollment for courses scheduled in Specialized Instructional spaces was 39 students for EDU349-02, Educational Psychology-CH/EC, held in Thompson Hall E128, a room with 41 stations.
- Mean enrollment for courses scheduled in Specialized Instructional space is 18 students, while the mode is 22 students.

Weekly Room Hour Utilization Rates and Station Occupancy

Specialized Instructional space planning guidelines recommend scheduling the individual rooms for 50% of the scheduling window and having 80% of the seats occupied when scheduled. SUNY guidelines recommend scheduling specialized instructional spaces for 75% of the scheduling window and filling 80% of their seats when scheduled, and increasing the use by a factor of 1.18 to address the Division of Budget goals.

The 50% time allows for specialized set-up and breakdown of equipment and to provide open/independent use by students during non-class time.

Figure 3: General-Purpose Classrooms: Existing Space and Calculated Optimal Need

Room	Fall 2009			Current Optimal Need			Projected 2023			
	Capacity	Rooms	Stations	ASF	Rooms	Stations	ASF	Rooms	Stations	ASF
10 – 19		1	19	310	0	0	0	0	0	0
20 – 29		13	336	5,705	10	200	4,400	10	200	4,400
30 – 39		15	521	9,264	11	330	7,260	12	360	7,920
40 – 49		16	708	12,478	13	520	11,440	14	560	12,320
50 – 59		1	54	912	12	600	13,200	12	600	13,200
60 – 69		1	60	975	4	240	5,280	4	240	5,280
70 – 74		1	70	1,050	0	0	0	0	0	0
Total		48	1,768	30,694	50	1,890	41,580	52	1,960	43,120

Figure 4: Lecture Halls: Existing Space and Calculated Optimal Need by Scheduling Window

Room	Fall 2009			Current Optimal Need			Projected 2023			
	Capacity	Rooms	Stations	ASF	Rooms	Stations	ASF	Rooms	Stations	ASF
75		0	0	0	3	225	4,050	3	225	4,050
100		0	0	0	2	200	3,600	2	200	3,600
104		2	208	3,180	0	0	0	0	0	0
119		1	119	1,690	0	0	0	0	0	0
125		0	0	0	1	125	2,250	1	125	2,250
150		0	0	0	1	150	2,700	1	150	2,700
166		1	166	2,173	0	0	0	0	0	0
195		1	195	2,400	0	0	0	0	0	0
209		1	209	3,700	0	0	0	0	0	0
300		0	0	0	1	300	4,500	1	300	4,500
319		1	319	4,600	0	0	0	0	0	0
Total		7	1,216	17,743	8	1,000	17,100	8	1,000	17,100

Figure 5: Existing Lecture Halls Compared to Calculated Current Need and Proposed Current Lecture Halls

Room	Stations	Existing			Calculated Current Need			Proposed Current			Comments
		Rooms	Stations	ASF	Rooms	Stations	ASF	Rooms	Stations	ASF	
New	75				3	225	4,050	3	225	4,050	
New	100				2	200	3,600				Use McEwen G24/G26
McEwen G24/G26	104	2	208	3,180				2	208	3,180	Retain
Fenton 105	119	1	119	1,690				1	119	1,690	Retain
New	125				1	125	2,250				Use Fenton 105
New	150				1	150	2,700				Use Jewett 101
Jewett 101	166	1	166	2,173							Retain
Thompson W101	195	1	195	2,400				1	195	2,400	Possibly repurpose
McEwen 202	209	1	209	3,700				1	209	3,700	Possibly repurpose
New	300				1	300	4,500				Use McEwen 209
McEwen 209	319	1	319	4,600				1	319	4,600	Retain or repurpose as recital space
Total		7	1,216	17,743	8	1,000	17,100	10	1,441	21,793	

During Fall 2009, Fredonia’s Specialized Instructional spaces were scheduled for an average of 25% of available weekly hours, indicating significant underutilization or departmentally-scheduled use not recorded in the Registrar’s data. This overall utilization rate, however, masks individual room utilization rates. On a room-by-room basis, weekly room hour utilization for scheduled Specialized Instructional spaces ranged from 6% in Jewett Hall 233 to 86% in Thompson Hall E114. This excludes the non-scheduled spaces.

The low average utilization rate is attributable in large part to 12 Specialized Instructional spaces not being listed as scheduled in Registrar’s data during this period. Scheduling occurring independently of the Registrar can result in unreported utilization data. Some or all of these rooms could also be miscoded as Specialized Instructional spaces, which would inflate the number of weekly schedulable hours available in Specialized Instructional spaces and skew room hour utilization rates downward. It may also be the case that these rooms are used in alternate semesters or years. Further exploration confirmed that two of these rooms were used in Spring 2010.

The 80% station occupancy rate is reflective of both the relatively high capital investment these spaces require and the predictable, smaller class sizes their pedagogy typically mandates. At Fredonia 41% of an Specialized Instructional space’s stations are filled, on average, when scheduled. Average station occupancy rates for scheduled Specialized Instructional spaces range from 12% in Dods Hall 148 to a high of 117% in Rockefeller Arts Center P33. Some rooms are frequently overfilled, either collectively or by individual courses. Five Specialized Instructional spaces have an average station occupancy rate over 90%, and two actually equal or exceed a 100% station occupancy rate.

Specialized Instructional Spaces: Recommendations

	ASF
Specialized Instructional Space, Including Support Space	76,292
New or Expanded Initiatives Space	+ 10,900
Total Current Need	87,192

Need for Scheduled Specialized Instructional Space

There is a current and 2023 projected need for 53 Specialized Instructional spaces containing 1,075 stations and 87,192 ASF, including support space. This is in contrast to the 46 specialized instructional spaces that currently exist. The total ASF recommended is the sum of the following:

A calculated need for scheduled Specialized Instructional space was based on guidelines of 40, 60, 80, or 100 ASF/station, depending on discipline, 50% weekly hour utilization, a 40-hour weekly scheduling window, and 80% station occupancy. Certain spaces, which are used minimally, but are required to support a program, or which are so specialized to a discipline that an allowance for their existence would never be indicated by utilization guidelines, have been maintained in these recommendations. Additional space is allowed for observed and reported needs related to new or expanded initiatives. This includes seven additional specialized instructional spaces for Journalism, Dance (in progress), Communication Disorders, Visual Arts and New Media, Education (two spaces), and Theater.

Projected Space Needs

Overview

Based on 2009 data, there is a current total non-residential space need of 934,377 ASF at Fredonia, including the instructional space identified above. The total projected space need for 2023 is 1,016,626 ASF. Current and 2023 projected space needs are 129,878 ASF and 212,127 ASF greater, respectively, than the College’s existing 804,499 ASF of non-residential space. The projected need for additional space in 2023 is driven by a projected increase in both enrollment and personnel.

Space need projections were developed by The Master Planning Team according to National Center for Education Statistics (NCES) space type categories and are presented in this manner for each department and administrative unit. In many instances, the space planning guidelines and methods used in this study are more robust than those in use when many of the College’s facilities were built and many of those currently used by the State University Construction Fund.

Space Needs by Space Type

The table 6 on next page summarizes existing space, current need, and projected 2023 need by space type.

- Academic (faculty) and administrative offices are the main space types determined to currently require less space. Academic offices, however, are projected to need 6,019 ASF more space in 2023 than currently allocated and administrative space is projected to need only 367 ASF in 2023 than currently allocated.
- Campus support is the space type with the greatest current and 2023 projected need for additional space.

Space Needs by Organizational Unit

The current and 2023 projected need for space was also aggregated at the organizational level for the campus. Figure 7, below, compares current and 2023 projected space needs with existing space assigned to these organizational units to provide a gap analysis for future planning. A more in-depth discussion of the space needs of individual departments and administrative units is presented in the report.

All of the Vice Presidential-level organizations under which space was aggregated in the following table, with the exception of the Vice President for College Advancement, demonstrated a net need for additional space, both now and in 2023. The Vice President for Administration was found to have the greatest current need for additional space, with 59,896 ASF more recommended above the amount assigned in the PSI. The Vice President for Academic Affairs was found to have greatest need for additional space in 2023, with a projected need for 87,012 ASF more than is currently assigned in the PSI.

The space needs presented here are more accurate in the aggregate than at the departmental level, given that they are based on FTE personnel and enrollment which, while stable at the level of the College, may fluctuate between organizational entities within it as staffing and enrollment between entities changes and programs and organizations evolve.

It is also important to note that the accuracy of any gap analysis by organization depends upon the accuracy of the departmental assignment of space in the PSI. This, in turn, depends upon how well the list of departments made available by SUNY to Fredonia reflects the actual organization of the College and the accuracy and currency of the departmental space assignments contained in the PSI. See table 7.

Figure 6:
Summary of Projected Space Needs: 2009 to 2023 by Space Type

Space Type	Existing ASF	Current Need ASF	Current Need vs. Existing Growth/(Reduction) ASF	2023 Projected Need ASF	2023 Projected Need vs. Existing Growth/(Reduction) ASF
Classroom 100	54,918	66,766	11,848	68,460	13,542
Laboratory 200 / Instructional	135,108	145,199	10,091	147,455	12,347
Laboratory 250 / 255 / Research	28,534	57,485	28,951	71,523	42,989
Office 300/Academic	84,930	74,839	(10,091)	90,949	6,019
Office 300/Administrative	107,588	94,316	(13,273)	107,221	(367)
Library/Study 400	58,635	80,601	21,966	80,987	22,352
Special Use 500/1500/6000	237,821	250,142	12,321	250,142	12,321
General Use 600	61,147	82,317	21,170	112,317	51,170
Campus Support 700	32,653	79,621	46,968	84,413	51,760
Health Care 800	3,165	3,091	(74)	3,160	(5)
Total	804,499	934,377	129,878	1,016,626	212,127
ASF/FTE	142.7	165.8		173.3	

Figure 7:
Summary of Projected Space Needs: 2009 to 2023 by Organization

Organization	Existing ASF	Current Need ASF	Current Need vs. Existing Growth/(Decrease) ASF	2023 Projected Need ASF	2023 Projected Need vs. Existing Growth/(Decrease) ASF
VP for Academic Affairs					
Assoc VP, Graduate Studies & Research	2,372	1,270	(1,102)	1,825	(547)
Associate VP for Academic Affairs	8,533	8,610	77	9,300	767
Associate VP for Information Technology	3,552	4,943	1,391	5,443	1,891
Dean, College of Arts and Sciences	405,089	429,439	24,350	452,410	47,321
Dean, College of Education	24,132	24,585	453	28,300	4,168
Dean, School of Business	4,911	8,720	3,809	13,178	8,267
VP of Academic Affairs	74,206	93,855	19,649	99,351	25,145
Total VP for Academic Affairs	522,795	571,421	48,626	609,807	87,012
VP for Administration					
Associate VP & FSA Executive Director	60,970	60,834	(136)	60,834	(136)
Associate VP for Administration	10,203	2,820	(7,383)	3,025	(7,178)
Building Services and Grounds Director	13,814	15,796	1,982	17,196	3,382
Director of University Services	23,029	69,153	46,124	73,945	50,916
Facilities Management Director	7,493	7,027	(466)	7,027	(466)
VP for Administration	86,562	106,337	19,775	109,557	22,995
Total VP for Administration	202,071	261,967	59,896	271,584	69,513
VP for Student Affairs					
Assistant VP Student Affairs	4,902	5,076	174	5,775	873
Associate VP Enrollment Services	9,522	7,750	(1,772)	8,985	(537)
Director of Residence Life	6,597	4,203	(2,394)	4,203	(2,394)
VP for Student Affairs	49,986	77,515	27,529	108,453	58,467
VP for University Advancement	8,626	6,445	(2,181)	7,820	(806)
Director of Public Relations	4,320	3,045	(1,275)	3,045	(1,275)
Total VP for Student Affairs	71,007	94,544	23,537	127,416	56,409
VP for University Advancement					
VP for University Advancement	605	420	(185)	610	5
Total VP for University Advancement	3,701	2,980	(721)	4,165	464
Grand Total	804,499	934,377	129,878	1,016,626	212,127

Summary

SUNY Fredonia's existing 804,499 ASF are insufficient to meet its current need for 934,377 ASF or the 2023 projected need for 1,016,626 ASF. Current and 2023 projected space needs are 129,878 ASF and 212,127 ASF greater, respectively, than the College's existing assignable area.

The current distribution of total campus space by type and by academic and administrative unit would change, under the proposed program, to meet the current and 2023 projected needs of the College. These changes not only are a response to changes in enrollment and relative staffing levels of the College's departments, but also a reflection of an ideal distribution of space according to contemporary planning guidelines. The current distribution of space has been shaped over time by evolving guidelines, needs, and opportunities.

The need for additional space is driven by three factors: a projected increase in enrollment, an expected increase in personnel, and the application of current space planning methods and guidelines to determine space needs. This includes the following assumptions and observations:

- Headcount enrollment is expected to increase from 5,775 students in Fall 2009 to 6,000 students in Fall 2023. The number of full-time equivalent students (FTE) is projected to increase from 5,637.0 FTEs in Fall 2009 to 5,865.2 in Fall 2023.
- Between Fall 2009 and Fall 2023, headcount personnel are expected to increase from 1,548 to 1,825 persons
- The space planning guidelines used to determine Fredonia's current and projected space needs are commonly used in contemporary higher education space planning. They are in many instances more robust than those that were in use when many of the facilities at Fredonia were planned, as well as those currently used by the State University Construction Fund.
- The current need for academic and administrative office space is less than the total space assigned to these space types in the PSI.
- Campus support is the space type with the greatest current and 2023 projected need for additional space.
- All Vice Presidential-level organizations under which space was aggregated in this study, except the Vice President for College Advancement, have a current and 2023 projected need for additional space.

- The Vice President for Administration has the greatest current need for additional space at 59,896 ASF more than that assigned in the PSI. The Vice President for Academic Affairs was found to have greatest 2023 projected need for additional space at 87,012 ASF more than is currently assigned in the PSI
- There is a current and projected need for more general-purpose instructional spaces, including lecture halls, and in a different distribution of room capacities.
- There are 48 existing general-purpose classrooms at Fredonia seating 74 or fewer students, which contain a total of 30,694 ASF. The current need is for 50 such rooms containing 41,580 ASF, and the 2023 projected need is for 52 classrooms containing 43,120 ASF.
- The College has a current and projected 2023 need for one additional lecture hall than its current seven. The distribution of lecture hall capacities would be different, however, resulting in a need for 216 fewer stations, and a need for 643 ASF less than currently exists.
- Fredonia has a total of 46 Specialized Instructional spaces containing 48,610 ASF and 1,223 stations. There is a current and 2023 projected need for 53 Specialized Instructional spaces containing 1,075 stations and 87,192 ASF, including support space.
- Specialized instructional space recommendations make assumptions regarding appropriate station sizes based on the discipline of the courses scheduled to various spaces. Additional needs included the impact of new or expanded initiatives. This includes seven additional specialized instructional spaces for Journalism, Dance (in progress), Communication Disorders, Visual Arts and New Media, Education, (two spaces), and Theater.

These order-of-magnitude space projections and overall analysis of campus issues will serve as the basis for Fredonia to begin re-organizing and addressing space deficit needs during the next capital planning process, and will support detailed space programming as it moves forward.

Introduction

Purpose and Scope

In December, 2009, SUNY Fredonia began a process to create a Comprehensive Facilities Master Plan (FMP). The third phase of the process (actually running concurrently with some of the other phases) provided space planning analysis and projections for all academic and administrative space at SUNY Fredonia, and was conducted by Rickes Associates (The Master Planning Team). These space projections are used to determine the amounts and types of space SUNY Fredonia needs currently—compared to what it actually has—and in the future, reaching out to 2023. The projections generated by department or unit are in the form of general pools of space that can be used as the basis of long-range planning and detailed programming.

Following some introductory material on background and methodology, this report is divided into sections, each focused on an aspect of the space planning process, ultimately leading to the space allocation recommendations:

- Enrollment and staffing projections
- Space guidelines employed
- Distribution of existing space
- Instructional space utilization, optimization, and recommendations
- Space needs, current and future

The qualitative drivers of space needs are included in each section, along with a description of the methodology used, the results of the analysis, and the recommendations.

The overall result is a comprehensive snapshot of SUNY Fredonia that projects the campus' future space needs in the context of institutional history and culture, identified concerns about space needs, and current and future planning initiatives.

Methodology

The development of space planning projections is an exercise in both quantitative and qualitative analyses. This process integrates the different space types required by academic departments, administrative units and different echelons within an institution, balanced against the plans and proposals of SUNY Fredonia's administration. The Master Planning Team has developed a methodology for campus space planning that includes:

- identifying and analyzing the quantitative data supplied by SUNY Fredonia,
- obtaining information regarding current space use and future plans by reviewing SUNY Fredonia's existing planning and narrative documents,
- interviewing the students, faculty, and staff who use the spaces, and
- interpreting all of this data through the qualitative lens of a SUNY Fredonia-specific perspective.

The space planning projections are based on the application of broad, generally accepted space planning guidelines to the major drivers of space needs, including both quantitative and qualitative drivers:

- full- and part-time faculty and staff counts,
- student full-time equivalent production (FTE),
- course headcount enrollment,
- institutional strategic plans, including any proposed changes in enrollment, and
- any changes anticipated in instructional methodology or pedagogy.

The end product is a calculated demand for space by department/unit and space type, which provides SUNY Fredonia with important information about how much space is needed, how that space could be allocated, and where such space should exist.

Major Drivers of Space Needs

Qualitative Drivers Institutional Culture

Each institution has unique characteristics and a culture which must be identified and understood as early as possible in the planning process. This ensures that all key institutional concerns are addressed, and that the methodology, analysis, and recommendations support the specific needs of the institution.

Institutional Strategic Plans

Understanding the strategic plans an institution has for its future is key to aligning current and projected space needs with the institution's future direction. For this reason, The Master Planning Team spends considerable time collecting and assessing an institution's planning initiatives. This information can come from many sources. Senior administrators often have the broadest perspective on institutional directions, but Strategic Plans, Academic Program Reviews, Master Plans, and Accreditation Self-Studies are also important sources of information.

Departmental and Unit Interviews

The departmental and administrative unit interview process is a critical component in the collection of qualitative information. The insights offered by departments and units concerning how future plans will change their use of space is invaluable in the preliminary projection of space need. Departments/units provided detailed descriptions of their operations; offered insights into wider campus concerns; and provided detail regarding space-related relationships and demands that are unique to each organizational unit. All of this helps form the basis for the recommendations in the space projections.

Quantitative Drivers Current and Projected Student Enrollment

A major driver of space need is the number of students who use campus facilities. This study provides trend analyses of current and projected student headcount and full-time equivalent (FTE) enrollments.

Current and Projected Staff Levels

Another major driver of space need is the number of academic and non-academic staff who work in and use campus facilities. To determine the number of current staff, The Master Planning Team used two sources of information. The primary source of data was the Office of Human Resources' (OHR) personnel database, which provides a snapshot in time of SUNY Fredonia's total staff. OHR's database was analyzed by both headcount and FTE, and then checked against SUNY Fredonia's organizational charts and personnel classification system to accurately account for every employee.

The second source was the quantitative personnel information collected from each department during the interview process. This process provided the opportunity to clarify questions or ambiguities in the quantitative data, and also provided a rich source of personnel projections. All projections were then reviewed and approved by SUNY Fredonia to ensure that space projections are being driven by a realistic assessment of future need.

Space Use

The Master Planning Team used the Physical Space Inventory (PSI) provided by SUNY Fredonia and the State University Construction Fund as the basis for the analysis of existing space on campus. The PSI assigns a code to each space and categorizes it according to its function and departmental assignment. It was assumed that the PSI was an accurate depiction of the current situation. Experience has shown, however, that such inventories often contain errors in terms of square footage values or in the assignments of spaces to departments/units.

An analysis was conducted comparing the existing space distribution to the space actually needed now, according to the accepted guidelines, and to the space that will be needed in the future based on the inputs received (interviews, strategic plans, etc.). That is, the analysis enables the identification of "gaps" between "what is" and "what is or will be needed."

Most of the space needs on campus are driven by enrollment, staffing levels, and accepted space guidelines. Instructional space (classrooms, labs, studios, etc.), the primary space where the work of the college is done, was analyzed through the instructional space utilization analysis, a process that quantifies space needs for general-purpose classrooms and specialized instructional spaces through a detailed analysis of:

- Actual hours of use
- Actual station occupancy rates
- Assignable square feet per seat or station.

The primary data for this analysis came from the PSI and the institutional course file which lists all classes, including time taught, enrollment, room assignment, etc. Standard space planning guidelines were then applied to each of these, and the "gap" between existing, needed, and projected instructional space was identified.

Space Guidelines

The space planning projections are created by applying space planning formulas to the drivers described on the previous page. The multipliers in these formulas come from guidelines. This method produces recommendations of total space need defined by departmental/unit assignment, space function, and size. The Master Planning Team's space guidelines have been developed over time based on extensive experience with the recommendations of the Council of Educational Facility Planners International (CEFPI), best practices from representative public and private post-secondary institutions across the country, and other published methodologies.

It is critical to note that the space planning projections in this study represent a first iteration of campus space needs and are literally intended to serve as planning guidelines. They are not intended to act as program specifications for a building or facility. The next step in the planning process, detailed space programming, develops specific recommendations for the construction of new buildings and the renovation of existing space. Defining the sizes, types, and configurations of renovated or additional facilities needed on campus will help in developing and prioritizing capital projects within the FMP.

Interview Findings: College-Wide Concerns

Over the course of multiple visits to the campus, consultants from Rickes Associates and Chan Krieger NBBJ participated in more than 30 interviews and focus groups involving more than 150 students, faculty, and staff. Some of the interviewees participated in more than one session.

The purpose of these meetings was to acquire quantitative and qualitative information about the particular space needs of the departments and offices, the space needs of the college generally, and impressions about the overall aspect of the campus. Although current and projected enrollment and personnel needs were provided by the administration, discussions about future directions and specific programmatic requirements were also part of this interview process.

The following are general issues and observations that emerged during the interview and focus group sessions. The space needs and other concerns of individual areas, current and projected, will be discussed where appropriate in the narrative accompanying the proposed space program.

Gathering Spaces

Appropriate gathering space, formal and informal, is in short supply at SUNY Fredonia. Interviewees requested:

- more meeting and storage space for student clubs and organizations. This will be addressed to some degree in the renovation of the Williams Center, but there will be an acute shortage of space during the renovation, and only part of the need will be addressed afterward.
- more group study and general study space, both in the library and across campus. There is a need for "defined learning spaces." The Reed Library Academic Commons was given as an example.
- more lounge space, informal spaces for relaxing, socializing, or studying. While there are student lounges in some buildings, several others, particularly in the residence halls, have been taken over for other purposes. The major lounge area has been on the spine level of the Williams Center. It is also a high traffic area and tends to be both cavernous and gloomy.

Event Space

There are auditoria and recital halls in Rockefeller (Theatre and Dance) and Mason (Music) Halls, ranging up to 1,200 seats in size. There are also a few larger lecture halls, most notably those in McEwen Hall. All of these spaces are heavily scheduled and, because of their fixed seating, only truly suitable for more formal presentations.

The larger multipurpose spaces that can be used for dinners, ceremonies (e.g., commencement), dances, concerts and the like, are few in number and heavily booked. The Center Pointe room at the Williams Center, the largest such space in Chataqua County, will accommodate a maximum 600 attendees. Larger events are confined to the gymnasium in Steele Hall which can accommodate a maximum of 4,000 when the floor is used for seating.

The SUNY Fredonia campus needs to be self-sufficient in the provision of venues because the nearest urban area which might otherwise be counted on to provide them—Buffalo—is an hour distant. Interviewees expressed a need for two additional venues:

- A large multipurpose space which could accommodate more than 1,200 in flexible seating arrangements is needed. This would allow larger concerts and dances, and large meal functions.
- A second multipurpose venue in the 800-person range would also be very useful, accommodating larger gatherings than the Williams Center Space as well as providing a second venue for events of this popular size.

Classrooms and Specialized Instructional Spaces

Generally speaking, the ideal classroom at Fredonia seats 35 students. There has been economic pressure to increase class sizes, but the college is resisting, aware that small classes are a trademark of the institution. There is a felt need for more classrooms on campus because of the lack of available space at peak class times.

A general comment among the interviewees was that the classrooms were of poor quality. Many are crowded, sound-proofing is in many cases weak, and not enough are “smart.” Of the “smart” classrooms, it was often remarked that they are not smart enough.

Specialized instructional spaces come in a wide variety at Fredonia, given the mix of academic programs. At the time of the interviews, an addition to the Music building was underway which will add rehearsal space. Also, in the offing, a new science building and an addition to the Rockefeller Arts Center.

The new science building will provide modern instructional and research space and will enable a series of renovations and relocations: Houghton Hall (for Sciences), then Jewett Hall (currently Sciences). Interviewees generally agreed that Jewett would be a good location for “student services,” though exactly which ones to include remain to be determined.

Because no general instructional space has been built on the Fredonia campus for some 30 years, many classrooms are wrong-sized and in the wrong places. This requires faculty and students to move between buildings for classes. There was little complaint among the faculty, however.

Office Space

Maytum Hall, the main administration building on campus, is currently closed for extensive renovations. Thus, the offices that would normally reside in that eight-story building are located in a sort of diaspora all across the campus. Most will return, some will not, and there is a bit of confusion as to where some of the offices will eventually wind up. The view of most of those interviewed was that, to the extent possible, high-student-traffic functions should be located more centrally on campus (e.g., in the Williams Center where some are now located, or possibly in Jewett Hall as mentioned above), rather than in Maytum.

Faculty offices are generally located in academic buildings near where the faculty teach. As a rule, departments are kept together, though over time, some interspersing has been necessary. The quality of the offices varies. The rule is that every full-time faculty member has a private office, but some sharing has been necessary. A common complaint is that virtually all faculty and faculty support offices open directly onto a main hallway. Thus, secretaries cannot easily provide reception services, nor is it easy to know when people come and go. Modern suite-type offices are highly coveted.

As on many mature campuses, storage areas have gradually been converted to offices. This is the reason for the interior faculty and support offices in Thompson Hall. Windowless rooms originally meant for storage have been refitted as offices. Many interviewees remarked the need for more and better offices.

It was also suggested that student services be located closer together in a functional one-stop location. This is one of the reasons Jewett Hall is found to be an attractive location. It is quite near the Williams Center and the University Commons.

Storage

Virtually everyone interviewed entered a plea for additional storage space for everything from secure files to teaching supplies and student club materials. As noted, many storage areas have been repurposed and not replaced. The needs, of course, vary by department but, except for those moving into new space (e.g., the Sciences moving into the new building), storage needs are unmet.

Enrollment and Staffing Projections

Enrollment: Current

Current Enrollment in Context

Of the twelve SUNY Comprehensive Colleges (excluding Empire), Fredonia ranked eighth in total enrollment in Fall 2009, and was responsible for just over seven percent (7.2%) of total enrollment (80,022) for all Comprehensive Colleges in the SUNY system. This is illustrated in Figure 1.

Trends in Headcount Enrollment and Full-Time Equivalency

There are two fundamental measures of enrollment, each providing its own unique insight into enrollment patterns, and each dependent on the other to provide a full analysis of change.

- Headcount enrollment is the total number of students attending an institution during a given time period. It may be disaggregated by full-time (FT) and part-time (PT) status and graduate and undergraduate level. Unduplicated headcount counts each student only once, regardless of the number of terms attended, and is a measure of how many individual students attended an institution during a specified time period.
- Full-time equivalency, or FTE, enrollment is based on the number of credits a full-time student would take during a specified time period. It takes into account the total number of credit hours being taken or "produced" by all students enrolled, whether part-time or full-time, to model what enrollment would be if all students were full-time students.

Enrollment analyses examine trends in full- and part-time headcount enrollment to form the basis for projected changes in FTE enrollment. FTE enrollment is a measure of the "work" the institution does. Thus, it is the enrollment measure most commonly used in evaluating space utilization and determining space needs. Given the significance of both measures of enrollment in master planning, this study begins with a presentation of enrollment trends and projections. This is illustrated in Figure 2.

Headcount enrollment at Fredonia has increased 6.3% from Fall 2005 to Fall 2009, while FTE production increased at 4.2% during the same period. A different rate of change in FTE production indicates changes in the relative proportions of full- and part-time students, or in the number of credit hours students are taking.

Trends in Full- and Part-time Headcount Enrollment

While FTE production and total enrollment can appear to be similar to each other during a trend period, it is sometimes the case that there are shifts within the proportions of full- and part-time students that are not reflected in the more general data. Figure 3 on next page shows the five-year trend in full- and part-time headcount enrollments.

As shown in Figure 3 on next page, the relative proportion of full- to part-time students has changed over the past five years. Between Fall 2005 and Fall 2009, total full-time unduplicated headcount increased by 417 students, or 8.3%, while part-time unduplicated headcount decreased by 74 students, or 17.1 percent. The increase in full-time and decrease in part-time headcount enrollment was true at both the undergraduate and graduate levels.

- Undergraduate headcount enrollment increased by 331 students; the balance of full-time enrollment increasing by 367 students, or 7.6%, and part-time enrollment decreasing by 36 students, or 18.0%.
- At the graduate level, headcount enrollment increased by 12 students; the balance of full-time enrollment increasing by 50 students, or 31.9%, and part-time enrollment decreased by 38 students, or 16.9%.

The net result is a student population that has become more undergraduate and more full-time during the most recent five-year period.

An increase in FTE production proportional to that for headcount enrollment would be expected to accompany a shift from full-time students comprising 92.8% of total unduplicated headcount during Fall 2005 to their accounting for 93.1% during Fall 2009. FTE production during this period, however, increased at 4.2% compared to a 6.3% growth in headcount enrollment.

There are two possible explanations for the lower increase in FTE production. If FTE production was estimated from headcount enrollment using an outdated conversion rate, rather than calculated based on student credit hours, the relationship between credit hours and FTE production could be misrepresented. Conversion rates for Fall 2009 undergraduate enrollment, based on the data provided, are 1.019 FTEs per headcount for full-time and 0.413 FTE per headcount for part-time students. These conversion rates are different from SUNY rates of 1.0147 for full-time and 0.5492 for part-time students, which were calculated at some point in the past.

Figure 1:
SUNY Comprehensive Colleges Total Headcount Enrollment, Fall 2009
(From SUNY Preliminary Fall 2009 data)

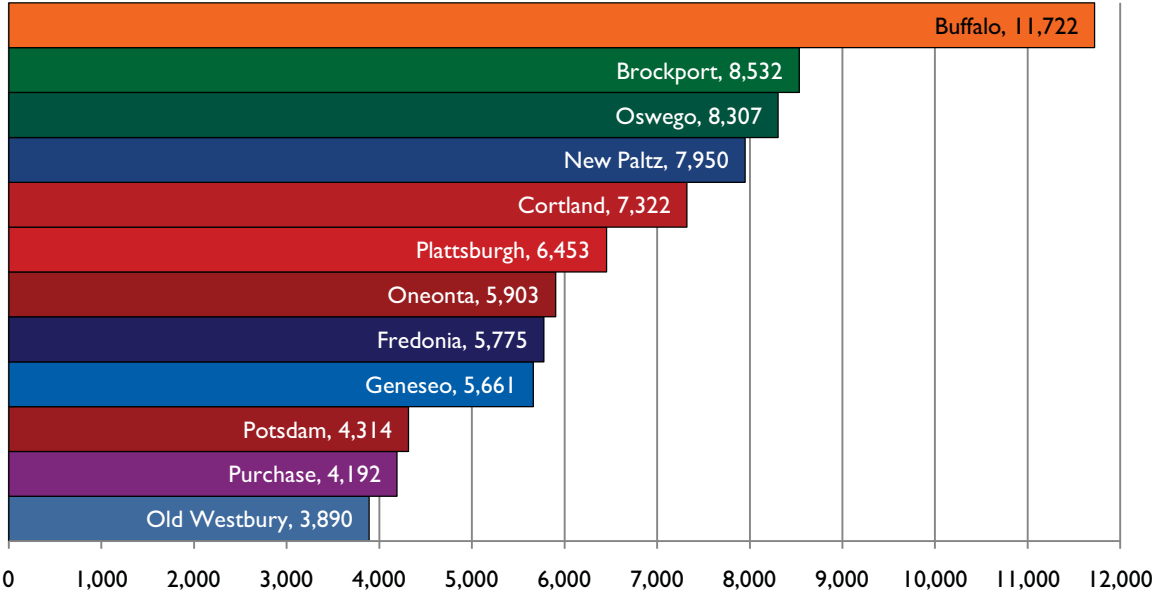
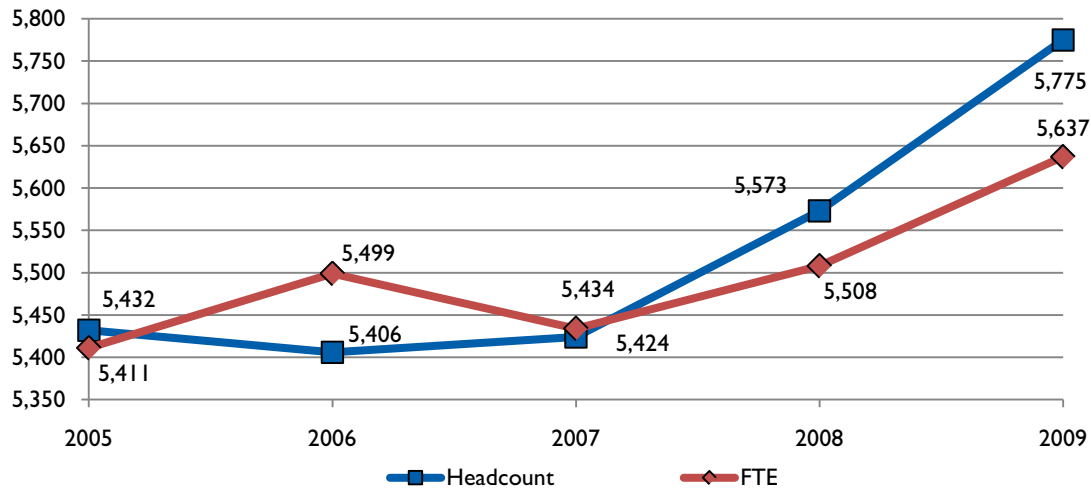


Figure 2:
5-year Trends in Total Headcount Enrollment and FTE: Fall 2005 to Fall 2009



C ENROLLMENT & STAFFING PROJECTIONS

Figure 3:
5-Year Trends in Full- and Part-time Headcount Enrollment: Fall 2005 to Fall 2009

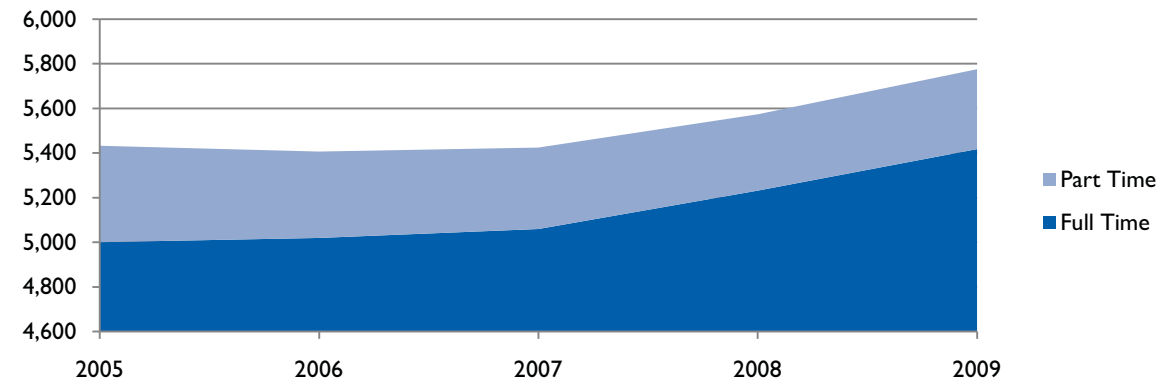


Figure 4:
5-Year Trends in Undergraduate and Graduate FTE: Fall 2005 to Fall 2009

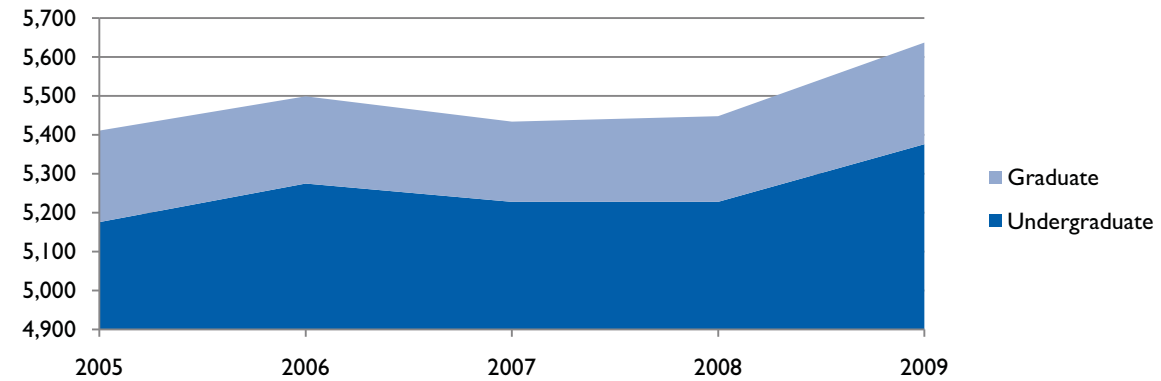
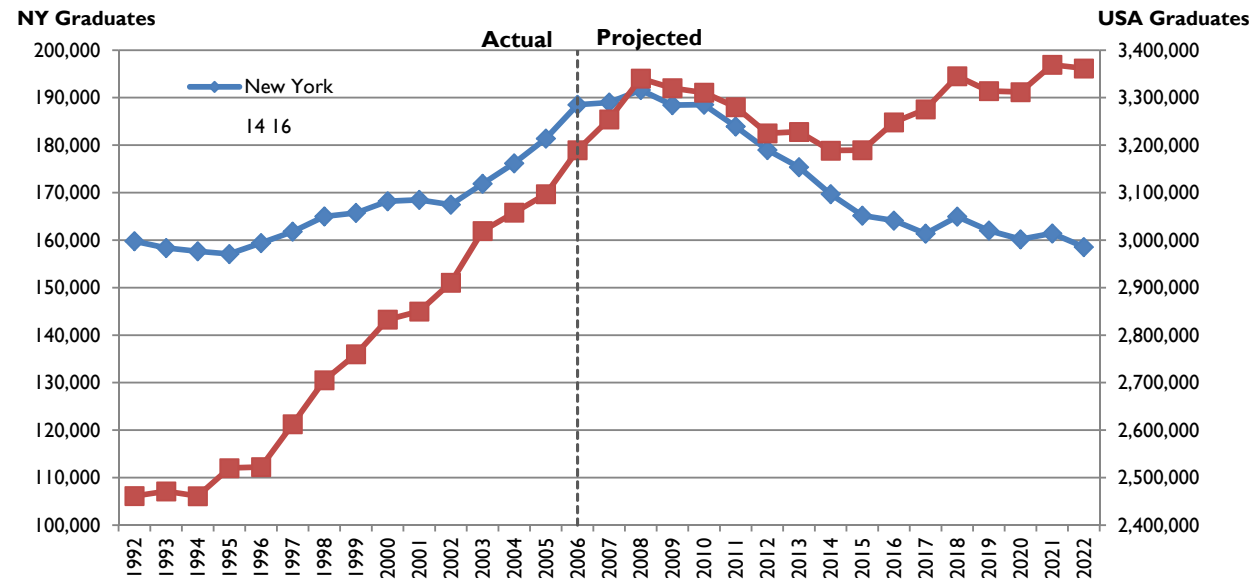


Figure 5:
WICHE Actual High School Graduates 1992-2006 and Projected High School Graduates 2007-2022



Source: "Knocking at the College Door: Projections of High School Graduates by State and Race/Ethnicity, 1992 to 2022", Western Interstate Commission for Higher Education.

A second explanation could be a lighter than expected course load being taken by full-time graduate students. FTE enrollment for such students would be expected to be either the same as or slightly higher than headcount. The Fall 2009 headcount-to-FTE conversion rate for Fredonia full-time graduate students, however, is only 0.908, which is lower than the SUNY rate of 0.9129.

Trends in Full-Time Equivalency

Examination of undergraduate and graduate FTE enrollment between Fall 2005 and Fall 2009 demonstrates how shifts in headcount have affected FTE production. This is illustrated in the Figure 4.

Figure 4 shows that undergraduate FTE production increased 3.9%, while graduate FTE increased by 11.6%. The increase in graduate FTE was significant enough to moderate the undergraduate proportion of FTE production from 95.7 percent of the total in Fall 2005 to 95.4 percent of the total in Fall 2009.

Enrollment: Projections

The Purpose of Enrollment Projections

Enrollment projections play a major role in almost all areas of institutional planning and there are a number of factors that influence the calculation of projected enrollment, all of which have differing degrees of validity depending upon how the projections will be used. For example, a traditional use of headcount enrollment projections is as part of a multi-year budget process. For budgeting purposes, institutions are best served if the projections are conservative: underestimating enrollments with the resultant lower tuition income provides a factor of safety that is much preferred to the reverse.

On the other hand, for space planning, the institution benefits from more optimistic projections. It is far better to plan sufficient space from the outset, rather than leaving the institution with inadequate space for operations and a lack of flexibility to meet continually changing space needs.

The Impact of Service Area Demographic Projections

The National Center for Education Statistics (NCES) has predicted a decline in high school enrollment and graduates, a major driver of college enrollment, for the northeastern states for nearly a decade.

Figure 5 depicts one respected source’s (WICHE) predictions regarding high school graduate counts through 2022. The decline of approximately 30,000 high school graduates in New York State represents a 16% drop between 2009 and 2022. While certainly worthy of note, it is a factor that institutions can affect, such as by increasing the “capture ratio,” or getting a bigger slice of a shrinking pie. This could help mitigate a reduction in the high school graduate pool. See figure 5 on previous page.

Many colleges and universities began taking steps several years ago to mediate this decline through more national and international recruiting, improved retention efforts, on-line programs, and more innovative articulation agreements with other institutions. Some campuses have even proactively built residence halls specifically to support expanded recruiting efforts. Other sources for increased enrollment include non-traditional student enrollment, increased international student recruiting, and innovative programming.

Interestingly, during this decade of predicted high school enrollment decline, many institutions have off-set any actual decreases in the number of high school students in their local communities and continued to increase their enrollment. Some of these increases are the result of higher college participation rates among immediate high school graduates, especially women. New York was one of the top three states in the country for its rate of college participation, which rose from 67.9% in 2004 to 74.4% in 2006.

The enrollment projections provided both by SUNY and Fredonia include the impact of the demographic profile of Fredonia’s service area. SUNY’s enrollment projections included this predicted decline that will decrease the pool of potential students. Meanwhile, Fredonia’s enrollment projections incorporate factors such as new initiatives and retention programs, to stabilize or increase enrollments, though only modest enrollment growth is desired. Examples include the new Science Building and renovations to support expanded offerings in the sciences, especially Biology, the commitment to the School of Business, and a new Journalism program. These, coupled with continued support for Fredonia’s signature programs in the visual and performing arts, and the College’s already outstanding retention performance will, it is thought, enable Fredonia to attract the number and quality of students it needs, blunting the demographic effects occurring across the state and the region.

Approaches to Enrollment Projection Policy

There are several ways in which headcount enrollment projections provide information for planning purposes. In a sense, it is the difference between “top-down” and “bottom-up” planning.

- From the “top-down”, SUNY’s current centralized, formula-based method of enrollment projection is ideal for those plans that require a conservative approach and a “35,000 foot” perspective.
- From the “bottom-up,” campus-level strategic planning based on department-driven projections provides a more valid picture of where the particular institution is headed and what space or facilities will be needed to support that direction. This kind of planning originates from departmental information on new programmatic initiatives, staffing levels, and shifts in space demands.
- Individual campus strategic plans to increase retention, develop new programs, or expand recruiting cannot be reflected in SUNY’s kind of centralized “top-down” process without a process that allows the formula to be adjusted to include the campus’s “bottom-up” information.
- The appointment of the new Chancellor, and the SUNY campuses’ further engagement in strategic planning, will provide more opportunities to improve and coordinate planning at both the system and the campus levels.

Comparison of SUNY Institutional Research to Fredonia Projections

SUNY Fredonia-Generated Headcount Enrollment Projections

The planning of future space needs on any campus is directly related to the plans for development or change of the academic program array and planned initiatives in enrollment management, recruitment, and retention efforts. For SUNY Fredonia, projections for headcount and FTE enrollment needed to be calculated by category based on projections of total headcount enrollment provided by the College. It should be noted at the outset that, based on the effect of formula application, numbers will not necessarily sum equally. The disaggregation of the total headcount projections into full- and part-time headcount for undergraduate and graduate students is based on the proportions of each category that existed in the Fall 2009 actual data. These proportions were held constant for projections for Fall 2013, 2018, and 2023.

Figure 6: Fredonia 15-Year Current and Projected Undergraduate and Graduate Headcount Enrollment Fall 2009 to Fall 2023

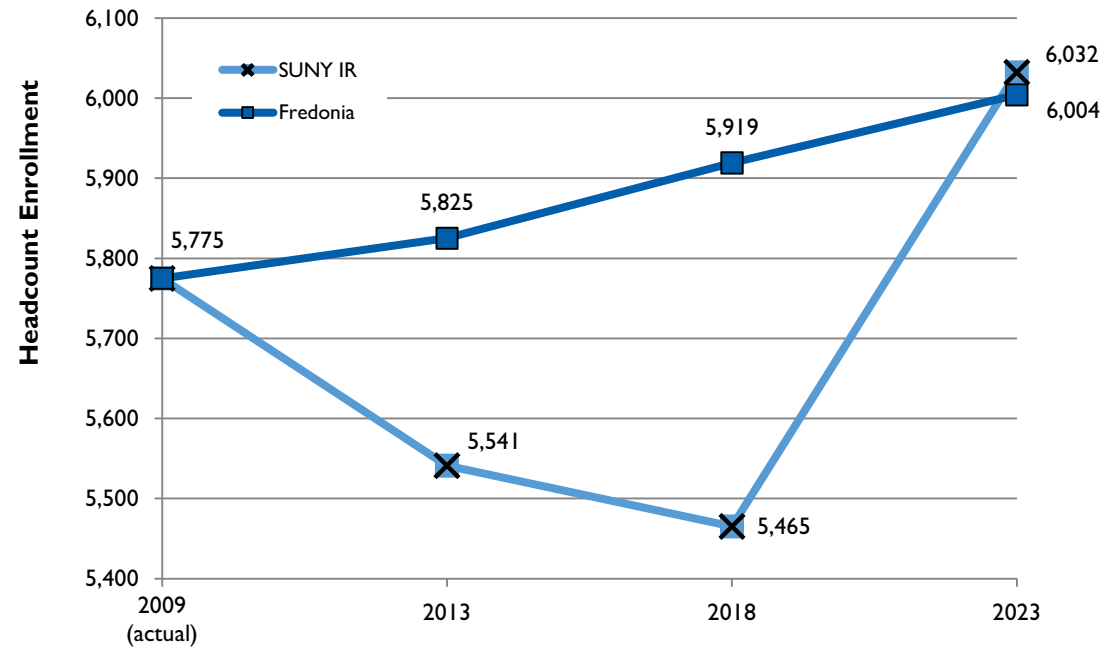
	Actual Fall 2009	Projected			2009 - 2023	
		Fall 2013	Fall 2018	Fall 2023	Percent Change	Number Change
Undergraduate						
Full-time	5,210	5,300	5,400	5,400	3.6%	+190
Part-time	164	100	100	100	-39.0%	-64
Total Undergraduate	5,374	5,400	5,500	5,500	2.3%	+126
Graduate						
Full-time	207	215	235	250	20.8%	+43
Part-time	194	215	235	250	28.9%	+56
Total Graduate	401	430	470	500	24.7%	+99
Total Headcount	5,775	5,830	5,970	6,000	3.9%	+225

Fall 2009 distribution factors applied to projected total headcounts.

Figure 7: SUNY 5-Year Current and Projected Undergraduate and Graduate Headcount Enrollment Fall 2009 to Fall 2023

	Actual Fall 2009	Projected			2009 - 2023	
		Fall 2013	Fall 2018	Fall 2023	Percent Change	Number Change
Undergraduate						
Full-time	5,210	5,010	4,972	5,519	5.9%	+309
Part-time	164	183	138	153	-6.7%	-11
Total Undergraduate	5,374	5,193	5,110	5,672	5.5%	+298
Graduate						
Full-time	207	166	168	169	-18.4%	+38
Part-time	194	182	186	190	-2.1%	-4
Total Graduate	401	348	354	359	-10.5%	-42
Total Headcount	5,775	5,541	5,465	6,032	4.5%	+257

Figure 8:
SUNY IR- vs. Fredonia-Generated Headcount Enrollment Projections, Fall 2009 to Fall 2023



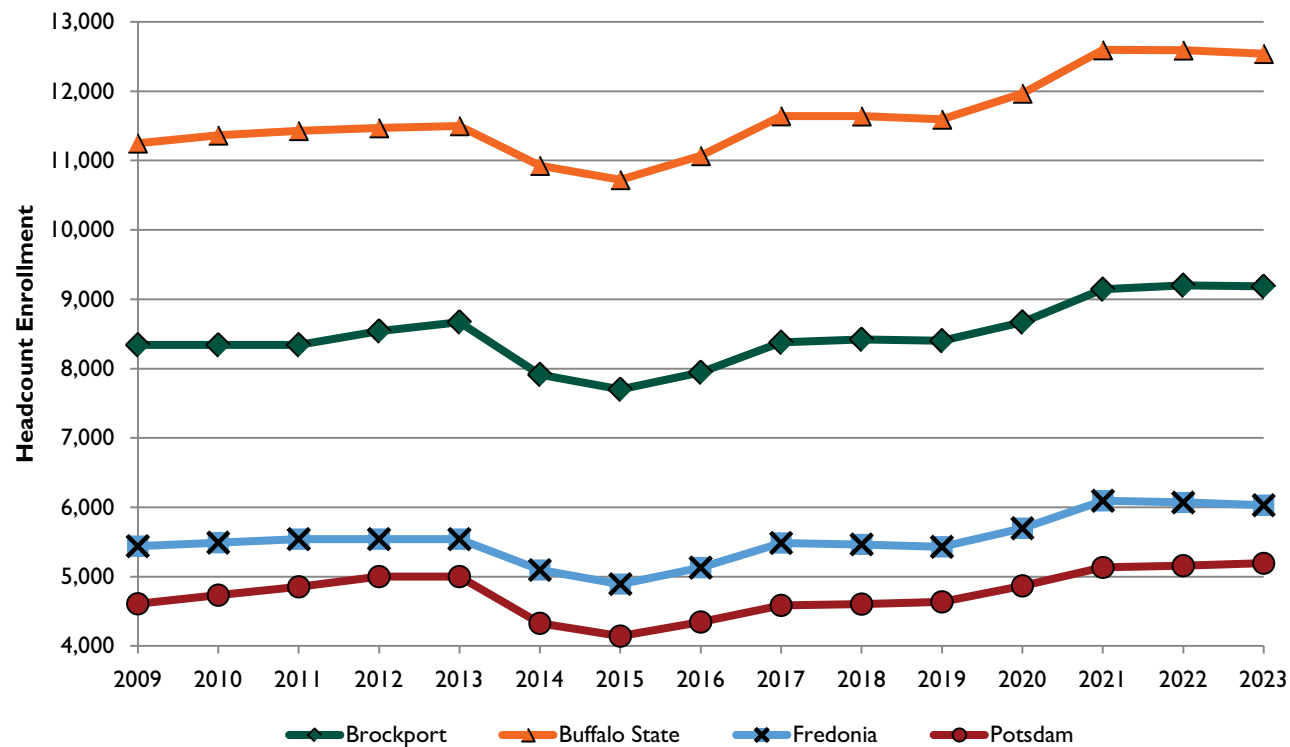
It is clear from the Figure 6 on previous page that the campus anticipates a continued increase in both full-time enrollment and in total enrollment.

During Fall 2009, undergraduate enrollment represented 93.1 percent of total enrollment. The College expects that by Fall 2023, that proportion will have decreased to 91.7 percent of total enrollment. As is evident from the analysis, the trend is toward increasingly more graduate and more full-time students throughout the projection period.

SUNY IR Headcount Enrollment Projections

Figure 7 on previous page, displays Fall 2009 actual and SUNY IR-projected headcount enrollment for five-year periods through 2023. SUNY IR-projected enrollment for Fall 2009 of 5,439 students was 339 students less than actual enrollment.

Figure 9:
SUNY Projected Headcount Enrollment: Fredonia and Other Comprehensive Colleges, Fall 2009 to Fall 2023



As shown in Figure 8, the divergence between SUNY’s and Fredonia’s projections of the College’s headcount enrollment is clear. Fredonia’s projections show a steady increase from Fall 2009 to Fall 2023. SUNY projections present a more volatile enrollment scenario, anticipating decreased enrollment between 2009 and 2018, followed by a sharp increase from Fall 2018 to Fall 2023.

The differential between the SUNY and Fredonia projections is a function of the methodologies used and the data that inform each projection. Enrollment projections typically take into account data regarding the communities of origin from which existing students are drawn; demographic data, high school graduation rates, and participation rates for an institution’s service area; and transfer and retention data for an institution.

When SUNY IR headcount enrollment projections for other comprehensive colleges within the system are compared with the SUNY IR projections for Fredonia, it appears that a similar methodology was used for several institutions. This is illustrated in the Figure 9, that shows similar periods of increases and decreases in SUNY IR-projected headcount enrollment for Fredonia and three other comprehensive colleges.

The similarities between SUNY IR-projected trends in headcount enrollment for these four institutions points to a common methodology being used for all, which may not have taken into account certain factors at each college that would have differentiated their projected enrollments more sharply. This suggests that SUNY IR regarded them as so analogous that a similar projected enrollment trend among all four was seen as acceptable.

Figure 10:
15-Year Current and Projected Undergraduate and Graduate FTE Production, Fall 2009 to Fall 2023

	Actual Fall 2009	Projected			2009 - 2023	
		Fall 2013	Fall 2018	Fall 2023	Percent Change	Number Change
Undergraduate						
Full-time	5,308.3	5,400.7	5,502.6	5,502.6	3.7%	194.3
Part-time	67.7	41.3	41.3	41.3	-39.0%	-26.4
Total Undergraduate	5,376.0	5,442.0	5,543.9	5,543.9	3.1%	167.9
Graduate						
Full-time	187.9	195.2	213.4	227.0	20.8%	39.1
Part-time	73.1	81.1	88.6	94.3	28.9%	21.2
Total Graduate	261.0	276.3	302.0	321.3	23.1%	60.3
Total FTE	5,637.0	5,718.3	5,845.9	5,865.2	4.0%	228.2

Understandably, Fredonia, as well as the other individual colleges, see themselves more uniquely, and may take into account other factors affecting enrollment, such as planned program offerings or efforts at increasing retention, that would put their self-generated enrollment projections at odds with those of SUNY IR. It should also be noted that SUNY IR projections of headcount enrollment are not as recent as those obtained from Fredonia during this analysis. Changes in demographic and other data included in the College's projections also created variances with SUNY IR-generated projections. See Figure 9 on previous page.

Campus FTE Enrollment Projections

The Figure 10 shows both current (Fall 2009) and projected undergraduate and graduate FTE. The FTE projections in this table were derived from application of the Fall 2009 conversion rates for undergraduate and graduate full- and part-time headcount calculations. It is clear from the table that the campus could anticipate a continued increase in FTE at both the undergraduate and graduate levels with an overall increase of 4.0 percent in FTE by 2023. As noted previously, headcount is projected to increase by 4.5 percent during the same period.

Growth, Retraction, and Trends:

Information from Campus Interviews: Change in Enrollment by Department/Program

Enrollment is expected to grow only slightly over the next 10 to 15 years, about 4% overall. Much of the increase is anticipated at the graduate level. Figure 11 contains the enrollment expectations of the various academic departments.

Figure 11:
Interview Findings: Departmental Enrollment Expectations and Program Additions

Division	Department/Program	Enrollment Expectations/Program Additions
Arts and Sciences	Biology	Expects modestly increasing enrollment.
	Chemistry and Biochemistry	Expects stable undergraduate and graduate enrollment.
	Communication	New Journalism major will require space.
	Communication Disorders and Sciences	Expects steady enrollment.
	Computer and Information Sciences	Enrollment steady with a slight increase.
	English	Expect some growth in Writing program.
	Geosciences	Expects stable undergraduate enrollment.
	History	Very modest undergraduate growth (writing program); offset by graduate discontinuance.
	Mathematical Science	Enrollment will increase slightly in undergraduate programs, but be offset by decline in graduate program.
	Modern Languages and Literature	Spanish growing, French is stable.
	Music, School of	Modest undergraduate and graduate enrollment growth.
	Philosophy	No growth expected.
	Physics	Expects stable undergraduate enrollment.
	Political Science	Program anticipates modest increases in enrollment. Would like to incorporate International Studies, currently classified as Interdisciplinary.
	Psychology	Already one of the largest programs. No plans to grow enrollment absent more faculty and space. Will be replacing retiring faculty member with, possibly, an animal researcher.
Sociology and Anthropology	Expect some growth in area of Criminal Justice.	
Sport Management and Exercise Science	Enrollment will be steady after it settles. (Program recently moved from Interdisciplinary Studies.)	
Theatre and Dance	Expect Dance to increase from 20 to 50 in five years. Other programs at capacity.	
Visual Arts and New Media	Interest increasing in most areas (Graphic Design, Painting, Sculpture/Ceramics, Photography, Media Arts), but space is limited. Also growing interest in Art History, but more space options here.	
Business	Business	Expects steady enrollment increase led by Music Business courses and service courses.
	Economics	Expects steady enrollment.
Education	All	Propose new programs in Bilingual Education, TESOL, and Special Education. (CAS). Will require 5 new faculty, if approved. Anticipate adding 40 first-year students.
Interdisciplinary Studies	All	Decline expected as Sports Management students move to School of Arts and Sciences.

Figure 12:
Current Full- and Part-time Staff, by Division, Fall 2009

Division	Full-time Staff	Part-time Staff	Total
Academic Affairs	391	241	632
Administrative Services	184	29	213
President	3	1	4
Student Affairs	92	38	130
University Advancement	19	12	31
Non-State Employees	120	418	538
Total	809	739	1,548

Figure 13:
Proportion of Current Staff, Full-time and Part-time, by Division 2009-2010

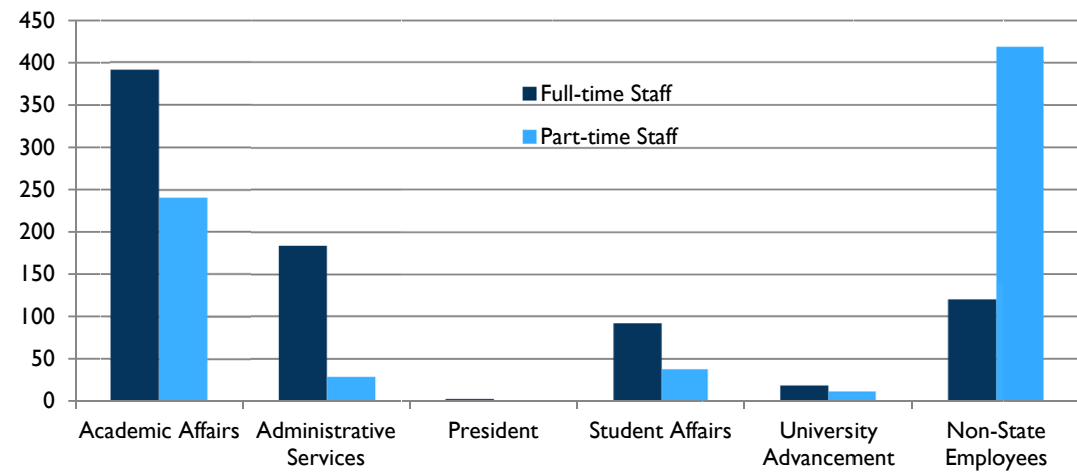


Figure 13a:
Proportion of Current Staff (Headcount) by Division 2009-2010

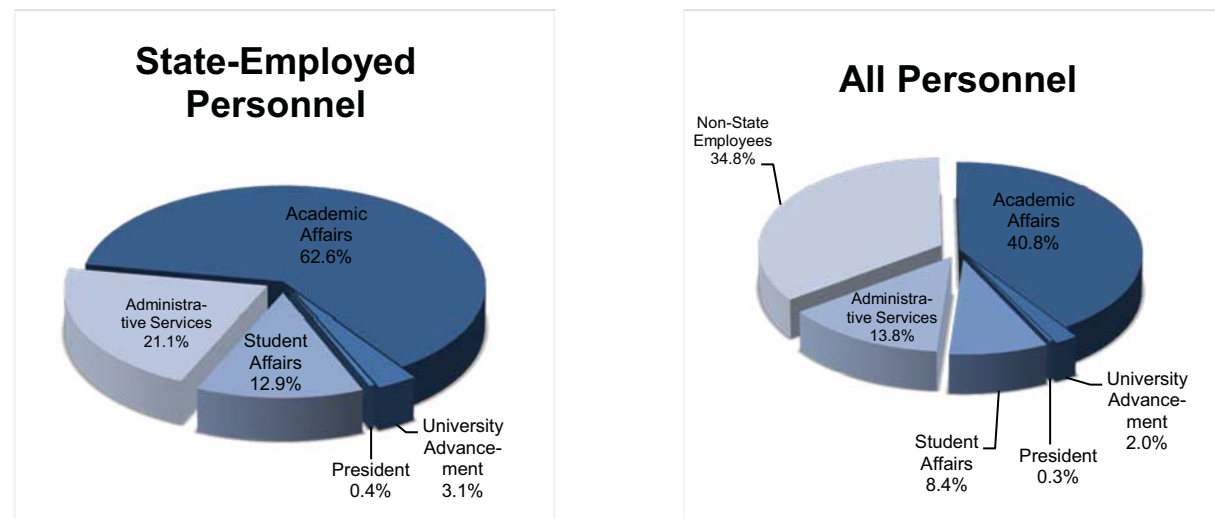
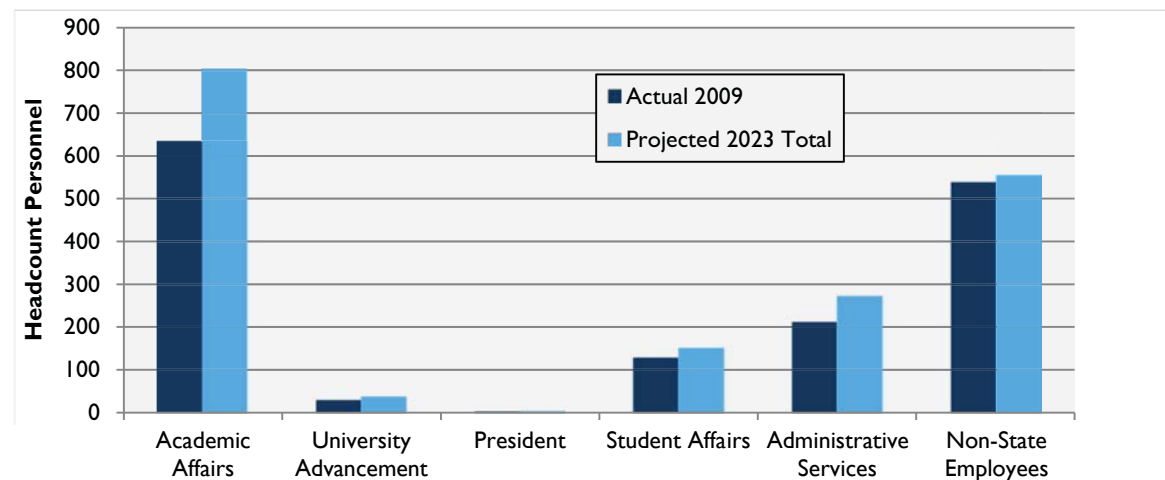


Figure 14:
Actual 2009-10 Total Staff and Projected 2023 Full- and Part-time Staff by Division to Fall 2023

Division/Office	Actual 2009	Projected 2023		2009-2023 % Change
	Total	Full-time	Part-time	
Academic Affairs	632	481	321	26.9%
Administrative Services	213	226	47	28.2%
President	4	4	1	25.0%
Student Affairs	130	115	37	16.9%
University Advancement	31	31	8	25.8%
Subtotal, SUNY Fredonia	1,010	857	414	25.8%
All Non-State Employees	538	134	420	2.97%
Grand Total	1,548	991	834	17.89%

Figure 15:
Staffing, by Division/Office 2009 vs. 2023 Projected



Staffing Projections: Current and Projected

Current Staffing

One of the primary pieces of data used to analyze the need for current and future space is the number and types of people who regularly require space. In an analysis that parallels the section on student enrollment, this section examines current and projected staffing. The following steps were used to develop the database for current and projected staffing:

- A complete 2009 personnel roster for the campus was supplied by Human Resources.
- Tables of current and projected staff were constructed by the vice presidents, deans, and department heads. These tables provided information including count, division, department, job category (faculty, staff, clerical, etc.) and full-time/part-time status.
- The finalized/vetted figures, converted to FTE, were used to drive the space projections.

Figure 12 on previous page shows the full- and part-time headcount for each division or major office during Academic Year 2009-2010. This is represented graphically in Figure 13 on previous page.

When considering all personnel on campus, the large number of non-state-paid personnel is striking—slightly over one third of all staffing (Figure 13a on previous page). The majority of these staff works for the Faculty-Student Association (FSA), which provides most of the auxiliary services (bookstore, dining services, etc.) for the College.

Among the state-employed personnel, the majority (62.6%) are assigned to Academic Affairs which includes the faculty, full-time and adjunct. Administrative Services (21.1%) and Student Affairs (12.9%) make up the majority of the remaining employee count.

Projected Staffing

Staff projections at the departmental level, which are required to inform the future demand for space, were, as noted above, developed by the vice presidents, deans, and department/office heads. Figure 14 shows the final projections by full- and part-time, and by division or major office.

Most of the growth in staffing of all varieties stems from the existing shortage of personnel at the College. Thus, although some of the increase in future years are driven by increased student numbers, much of the increase between the present and 2023 is needed to accommodate existing needs. The changes in staffing, by Division/Office, are presented graphically in Figure 15.

Analysis of the projections by division includes the following observations:

- The growth in Academic Affairs reflects Fredonia's efforts to lower the student-faculty ratio, a hallmark of the College. Additional faculty will support the growth of new programs (e.g., in Business) and allow a greater diversity of programming, generally.
- Increases in personnel assigned to Administrative Services help remedy current shortages and include the addition of staff to support new facilities.
- Student Affairs, likewise, needs more staff to respond to existing and anticipated needs in the areas of co-curricular programming and student support in the way of counseling and advisement. The demand for these services will increase as more housing comes online. Also, "Millennial" students require and expect more support than their forebears.
- As all state universities will depend more on other-than-state funding, increased effort, activity, and staffing in the Advancement area is expected.

Summary

Two of the most influential drivers in any campus space program are the size and profile of the current and projected student population and the size and profile of current and projected staff of the institution. These two drivers provide a data-based foundation for meeting current space needs and anticipating future demands for space. It is critical that the current and projected data for students and staff be aligned with and reflects an institution's policies and operations.

The enrollment trends for the most recent five-year period have shown a clear pattern of increasing full-time, undergraduate enrollment and parallel increases in FTE production. The College has developed projections through fall 2023 that continue the increase in both full-time and total enrollment.

The projected increases in staff will support the enrollment increases. Further, they will enable Fredonia to offer the students and community the quality of instruction, creative and scholarly activity, and civic involvement they expect and need.

Space Guidelines

As directed, this chapter compares SUNY Space Planning Guidelines to The Master Planning Team's space planning calculations, which are based on standards developed by the Council of Educational Facility Planners International (CEFPI). A detailed comparison of The Master Planning Team's and SUNY's planning calculations by space type is provided in Chapter D - Space Planning Projections.

Assessment of SUNY Space Calculations

SUNY's space projection process incorporates data from the Physical Space Inventory (PSI), which details space assignment and size, and the Course and Section Analysis (CASA), which details departmental credit hours.

It must be stressed that valid and meaningful projections depend upon the accuracy of these data sets. The Master Planning Team's concerns about the accuracy and reliability of this data range from the lack of regular updates to the PSI to discrepancies in the way the campuses calculate credit hours. There is also the question of whether the projections obtained by SUNY's formula-based method are the most relevant to the current planning process, or whether a campus-based method is more appropriate to project Fredonia's actual space needs.

Physical Space Inventory (PSI)

The PSI is an inventory of assignable square feet (ASF) by department, building, room, and function, and is intended to be an active file. The PSI should be updated on an annual basis to maintain an up-to-date record of all campus spaces as they are converted, change ownership, or change function. However, these data are not always maintained at the level required. Another overall concern is a lack of standardization across the system in the coding of spaces by SUNY's Space Type Codes, resulting in incorrectly or inconsistently coded spaces. This can yield space analyses with significant false surpluses or deficits in space by type.

General examples include:

- Departmental research space is to be coded using space code 2001. Some campuses incorrectly identified these spaces as general instructional laboratories, with space code 1300. This miscoding can lead to the conclusion that there is a surplus in instructional lab space, when in reality there might be a deficit.
- Spaces are incorrectly assigned to departments.

- Portions of the PSI may have been adjusted incorrectly when space was altered. As an example, a classroom space may be converted to a toilet room, and the text description is adjusted to that of janitorial, but the numerical coding continues to reflect instructional use. As such, janitorial square footage is erroneously counted as available instructional space when space is sorted by space type code.

Regular maintenance of the PSI to provide accurate data and consistent coding are critical to Fredonia's planning and use of space. An up-to-date PSI also:

- Is an exhaustive inventory of current spaces that maintains data about some of the most important and costly parts of its operation;
- Is the data source for many state compliance reports;
- Provides the source data for each Facilities Master Plan update;
- Is the basis for the study of effectiveness of space or classroom utilization;
- Provides data for critical decision-making about space and resource allocation, ranging from identifying underused space to planning adequate new space;
- Allows the institution to make fact-based decisions about space when departments lobby for additional space based on their perceived needs.

Course And Section Analysis (CASA)

SUNY's student credit hours and student FTE are tied to departmental projections of space needs for SUNY space program projections. The campuses originally reported these figures annually to SUNY IR in the Course and Section Analysis (CASA). The CASA report was discontinued in the past few years, although some campuses still maintain their own CASA files. SUNY IR is now transitioning to an electronic database and will be requesting similar information in a different format in the near future. At this time, campuses are not easily or not able to provide FTE calculations by department, let alone projections.

In addition, one historical concern about CASA data (as described by Stony Brook in 2001) is that schools whose courses are not centrally scheduled through the main campus have difficulty reporting their course information. Examples include the Dental or Medical Schools, or those schools in a physically separate location. Any credit hours not included in the campus's CASA report therefore cannot represent demand for space on the campus, even though they are part of the calculations that are used with the PSI.

Another concern, based on the Revised Extract of the CASA Manual of Specification and Instructions of January 2000, is that non-credit courses require the assignment of equivalent credit information. For this reason, the request by the State University Construction Fund (the Fund) to provide FTE via credit hours by department from the Fall course data is cause for concern because adjustments to non-credit courses cannot be supplied by The Master Planning Team. This means that the FTE by department will be understated.

The Master Planning Team's final concern is about the discrepancy in the calculation of credit hours across campuses. For example, for courses that include a lab section, some campuses assign some credits to the lecture portion of the course and then assign the balance of credits to the lab section. In cases where the credits are completely assigned to the lecture portion and the lab portion is assigned zero credits, unless adjustments are made (as was done to the CASA file) then the projection of lab space will be understated based on SUNY methodology.

Chart of accounts (COA) and Function codes

The Chart of Account (COA) is a standardized fiscal coding system that facilitates the reporting of financial information for budgetary purposes. Various types of information can be derived from the ten digit COA:

- the first two digits refer to the division to which the space belongs,
- the third and fourth digits indicate the function code for the space in accordance with NACUBO's financial reporting guidelines,
- the fifth and sixth digits denote the specific department.

While the official COA is maintained by SUNY System Administration, campuses may also create additional departmental codes as needed to address organizational changes. While the campuses are required to work with the Fund on code changes, it seems the campuses may not be aware that this process is required, or that it even exists. However, based on a sample of existing PSIs, and evidence that campuses are assigning departments into code categories that have not been approved, it is clear that updates are not being actively managed by the campuses or the Fund.

The lack of revision in the PSI for changes in function codes and department categories indicates that neither The Fund nor the campuses are updating changes in space types and uses. This, coupled with the fact that the PSI and its categories are not current, means that The Master Planning Team cannot assign departments with any degree of certainty or confidence.

With the combined inconsistencies in FTE and credit hour assignment, in the errors in PSI space assignment, and in the coding of space to COA, any gap analysis based on these data will not provide a valid outcome. A system-wide review, update, and correlation of COA and PSI through coding structures would need to be completed.

The Master Planning Team Calculations

Space planning guidelines emerged as a consistent methodology of the 1950s, in response to the fact that many state universities were grappling with rapid enrollment increases in the post-war boom, and have been modified over time to reflect changing realities. Additionally, the number of states employing space guidelines has grown as they sought to promote equitable space allocation across a system. Over half of all states now have formally adopted system-wide space guidelines, while a large number of private institutions have independently implemented their own guidelines. Among those states with comprehensive planning guidelines are North Carolina, Florida, and California. In addition, the Canadian province of Ontario has frequently been noted as a model of space guideline methodology.

The Council of Educational Facility Planners International (CEFPI) first published Space Planning for Institutions of Higher Education in 1985, and it was revised in 2006. The intent was to amalgamate “best practices” from various states and institutions in order to provide guidance in planning space at the macro level. Generally, through the analysis of existing and projected data and the application of planning criteria, the amounts and types of spaces needed by an institutional unit or an overall campus are established through these guidelines.

The CEFPI guidelines are still just that, guidelines. The Master Planning Team has found them lacking where projecting instructional space is concerned, as the projections provide square footage recommendations but are silent on the number and capacity distribution of rooms required. The SUNY projection methodology is also found to be lacking, as it calculates classrooms in the form of seats on a fractional basis based upon the need generated by individual departments.

Given that both of these standards are lacking, for this study The Master Planning Team derived a recommended distribution of room capacities based on an analysis of existing utilization patterns, coupled with anticipated changes in program offerings and/or pedagogy. This results in a richer set of projections and in recommendations that may be of immediate benefit because they reflect organizational rather than budgetary clusters. The Master Planning Team’s multiplier provides flexibility to expand/contract space clusters as needed in the planning process.

Regardless of the approach, the current dependency on inaccurate existing PSI data is still of paramount concern and should be re-addressed in the future. The ability to compare existing space to space projections is impaired if the PSI is not up to date.

E DISTRIBUTION OF EXISTING SPACE

Distribution of Existing Space

Overview

This section categorizes and aggregates data regarding existing space at SUNY Fredonia by building, type, and department, and examines the data from several different viewpoints to summarize the quantity, distribution, and types of existing space. The Master Planning Team used the physical space inventory (PSI) submitted by SUNY Fredonia and the State University Construction Fund as the basis for this analysis, including the code assigned to each space indicating its use.

PSI Misclassification

An accurate physical space inventory is critical to the credibility of the “gap” analysis between existing and projected space needs, both at the departmental level and for the campus as a whole. A review of spaces coded as instructional and those actually used for instructional purposes revealed misclassification problems with SUNY Fredonia’s PSI. Also, noted were discrepancies between the PSI, the floor plans, and the notes made during the walk-through of the buildings. However, instructional space issues were resolved and SUNY Fredonia indicated that the PSI was otherwise “solid,” and, with few exceptions, was to be used as the basis for analyzing existing space and as the foundation of the space projection gap analysis.

Much has changed in academia since the 1950’s when institutions began coding and tracking space. Space data collection technologies and the type of information institutions need to track have evolved together. Ten years ago, institutions wanted a special code to track the few classrooms with high technology; today, technology is a standard classroom amenity and the special coding is relatively obsolete. Thus, not only must the PSI be maintained to ensure the data’s accuracy, the structure of the file should be re-examined from time-to-time to make sure that the relevant space characteristics are being tracked.

Space Distribution

Space Distribution by Building

SUNY Fredonia’s PSI lists 49 buildings, comprising 1,268,690 assignable square feet (ASF) of space. This total includes all buildings on the Fredonia campus, as well as the Incubator in the adjacent town of Dunkirk. The chart B2 lists these buildings and their total assignable square footage.

The Incubator, in Dunkirk, contributes an additional 12,851 asf to the 1,255,839 asf on the Fredonia campus. This constitutes slightly more than one percent of all space included in the PSI.

The three largest buildings at SUNY Fredonia, in terms of total assignable area, are the Rockefeller Arts Center (82,633 asf), Thompson Hall (72,578 asf), and the Williams Center (64,498 asf). Together these three buildings hold over 17 percent of all the assignable space on campus. In terms of assignable academic space, the Mason complex at 62,400 asf, comprising the four Mason entries in what is essentially one building, would supplant the Williams Center as the third largest.

Space Distribution by Type

The table B3 on next page depicts how the 1,268,690 asf of space in the Fredonia PSI is distributed according to space type code, along with examples of space types found in each category.

- Over 15 percent of total assignable campus space is used for instructional classroom and laboratory use (PSI space code types 1000 and 1300).
- Approximately 15 percent of the space (PSI space codes 3000 and 5000) are reserved for administrative and academic offices and support.
- Medical Facilities (8000) consists of the least amount of space on the Fredonia campus, totaling less than 1 percent of all campus space, or 3,165 asf.
- Residential Facilities (9000) comprise the largest assignable square footage on campus, with 36.6 percent of the total campus space, followed by Laboratory Facilities (1500), with 11 percent of total campus space.

Space Distribution by Department

There are 104 academic and administrative departments included in this study, housed in the 49 buildings included in the Fredonia PSI. The table B4 on next page shows the College-wide distribution of assignable square footage (ASF) among these departments, without regard to space type code.

In most cases, efficiency is improved when a department’s spaces are located in close proximity to one other to share resources, personnel, and allow for increased communication and interaction. At SUNY Fredonia, many departments are “whole” within a single building. This suggests an effort to maintain intra-departmental cohesion, especially as regards proximity between subsets of each department, and that of intra- and inter-departmental groups that frequently interact.

Figure B2:
Assignable Square Feet (ASF) per Building Including Residential

Building	ASF	Building	ASF
Admissions Annex	1,135	Igoe Hall Stage XI	38,227
Alumni Hall Stage II	27,937	Jewett Hall	38,491
Alumni House	3,424	Kasling Hall Stage VIII	34,791
Butler Building	3,937	LoGrasso Hall	6,892
Campus Storage	4,315	Maintenance Building	16,104
Carnahan Jackson Center	26,178	Mason Hall	21,014
Central Heating Plant	1,098	Mason Hall Addition	23,548
Chautauqua Hall Stage VI	26,159	Mason Hall Annex	7,722
D Reed Library	42,480	Mason Recital Hall	10,116
Disney Hall Stage IX	34,695	Maytum Hall	26,720
Dods Hall	49,460	McEwen Hall	29,513
Eisenhower Hall-Stage IX	35,270	McGinnies Hall Stage IV	29,513
Erie Hall Dining Stage VIII	10,435	Nixon Hall Stage VI	29,578
Fenner House	2,528	President Residence	9,030
Fenton Hall	40,925	Press Box	685
Field House	62,226	Rockefeller Arts Center	82,633
Food Service	8,647	Salt Storage	1,080
Foundation House	4,748	Schulz Hall Stage XI	36,175
Gregory Hall Stage I	46,080	Stadium Facility	1,944
Grissom Hall Stage VIII	35,344	Steele Hall Natatorium	22,002
Hemingway Hall Stage XIII	36,226	Stockade-Storage	2,400
Hendrix Hall Stage XIII	39,572	Thompson Hall	72,578
Houghton Hall	53,203	University Commons	53,758
HPE Storage	805	Williams Center	64,498
		Subtotal, Fredonia Campus	1,255,839
		Dunkirk Incubator	12,851
		Subtotal, Off-Campus	12,851
		Grand Total, All Buildings	1,268,690

E DISTRIBUTION OF EXISTING SPACE

Figure B3:
Space Distribution by PSI Space Type Code Including Residential: Summary

Space Type Code	Space Type	Examples	ASF	Percent of Total NASF
1000	Classrooms/Lecture Halls	Instructional classrooms, lecture halls	54,918	4.3%
1300	Laboratory Facilities	Laboratories, laboratory service spaces	135,108	10.6%
1500	Special Use Facilities	Greenhouse, animal quarters, physical education spaces	139,847	11.0%
2000	Research Facilities	Research laboratories, testing and diagnostic facilities, research service spaces	28,534	2.2%
3000	Departmental Support	Faculty and staff offices, conference and work rooms	84,930	6.7%
4000	Library Facilities	Library collection, library seating, library services	58,635	4.6%
5000	Administrative Facilities	Administrative offices, conference and work rooms	107,588	8.5%
6000	Student/Faculty Activity Facilities	Student lounges, merchandising, food service spaces	97,974	7.7%
6500	Assembly & Exhibition Facilities	Assembly, exhibition, seating, and storage spaces	61,147	4.8%
7000	Central Service Facilities	Central shop, storage, service spaces	32,653	2.6%
8000	Medical Facilities	Health care services, supplies, laboratory spaces	3,165	0.2%
9000	Residence Facilities	Dormitory rooms, dining halls, student apartments	464,191	36.6%
Total ASF			1,268,690	100%

Figure B4:
Space Distribution by Department: Summary

Department	ASF	Buildings	Department	ASF	Buildings
Academic Computing	3,823	3	Grounds Maintenance	5,051	3
Academic Planning	244	1	Health And Physical Education	104,769	7
Administration - Student Affairs	2,192	2	History	2,975	1
Administration & Management M&O	8,688	2	Human Resources	1,398	1
Admissions	3,685	3	I&DR Equip/Space Steward.(PSI)	4,120	4
Alumni Relations	605	2	Incubator-Dunkirk	12,737	1
ASC-Laundry	7,692	14	Institutional Studies	430	1
Assessment	220	1	Instruction General	7,905	5
Auxiliary Service Corporation	13,553	7	Interdisciplinary Studies	134	1
Biology	30,818	1	Learning Center	3,356	1
Buildings-Structural Maint	3,657	3	Liberty Partnerships	120	1
Business Administration	3,721	1	Lifelong Learning & Special Prog	3,012	3
Business Affairs	1,750	2	Mail and Messenger	581	1
Business Manager	672	2	Maint (Mechanical) Stores Clerk	208	1
Campus Wide Facilities	46,022	8	Mathematics	4,961	1
Career Development-Student Placement	2,448	1	Modern Languages	4,012	1
Central Duplicating & Printing	2,700	2	Motorized Equipment Maint.	4,637	1
Central Stores	2,728	2	Multicultural Affairs	407	1
Chemistry & Biochemistry	18,342	1	Music - General Operations	56,142	4
Chief Academic Office	4,973	6	Music - Recharges and Expenses	166	1
Chief Administrative Office	12,942	4	Native American Project	395	1
Child/Day Care	3,626	1	Off-Campus Supervised Teaching	554	1
College Affairs	4,338	2	Outreach/Marketing	168	1
Communication Disorders & Science	6,012	1	Philosophy	1,525	1
Communication Disorders Reimb	160	1	Physics	17,261	1
Communications	13,253	3	Political Science	2,350	1
Computer & Information Sciences	2,378	1	Psychology	4,345	1
Computer Services	2,922	3	Publications	1,620	2
Copy Center	547	1	Purchasing	860	1
Counseling/Academic Advising	1,378	2	Reading Clinic Reimbursable	2,263	1
Custodial Services	1,465	8	Recreational Facilities Reimburs	21,693	2
Dean of College of Education	763	1	Registrar	3,597	2
Dean, Special Programs	2,154	2	Res Hall-Admin & Mgmt M&O	3,384	11
Dean-Natural and Social Sciences	776	2	Res Hall-Administration	431,011	14
Economics	1,190	1	Res Hall-Buildings-Structural	3,209	2
Education, Department of	9,584	1	Res Hall-Custodial Services	4,639	8
Educational Communications	11,895	5	Research Administration	1,424	2
English	6,091	1	Research Grants	570	1
Environmental Health & Safety	1,291	2	Sabbatical Replace,Dean Grad Pro	170	1
EOP Administration	1,025	1	School Of Business	622	1
EOP Tutoring	240	1	Security and Safety	2,569	1
Equip-Bldg Sys-Util Dist Sys	1,758	1	Sociology/Anthropology	2,635	1
Facilities Planning	1,599	1	Student Billing/Cashiering	3,234	2
Faculty Support Staff Savings	120	1	Student Counseling	1,332	1
Fall/Spring Overflow Enrollment	301	1	Student Health Services	3,402	1
Finance & Administration	3,687	1	Student Union	44,438	8
Financial Aids	4,151	2	Theatre Arts	59,647	3
Fine Arts Activities	766	1	Utilities Plant	1,098	1
Food Service-FSA Contract	62,211	7	Veterans Admin Reporting Fee	188	1
Freshman Seminar	1,185	2	Visual Arts & New Media	37,437	6
General Library	61,928	4	Visual Media Services	630	2
Geology	12,870	1	VP Student Affairs	160	1
Total			1,268,690	49	

It should be noted that many of SUNY Fredonia's offices and departments have space coded in multiple space type categories, reflecting the diversity of spaces under the umbrella of specific departments and offices. For example, the Health and Physical Education department occupies 104,769 asf in seven buildings: 39,489 asf in Dods Hall; 61, 361 asf in the Field House; 564 asf in HPE Storage; 462 asf in Jewett Hall; 685 asf in the Press Box; 1,731 asf in the Stadium Facility; and 477 asf in Steel Hall Natatorium. These areas include spaces coded under the 1000, 1300, 1500, 3000, 5000, and 6000 series.

The chart at the end of this chapter provides detailed information about the sizes and locations of specific spaces at SUNY Fredonia.

Summary

Based on the PSI, SUNY Fredonia occupies 1,268,690 assignable square feet in 49 buildings including residential. This includes buildings on the main campus in Fredonia, as well as the Incubator in Dunkirk. The Rockefeller Arts Center, Thompson Hall, and the Mason complex are respectively the three largest buildings devoted primarily to academic use, in terms of assignable area. Elsewhere on campus, academic spaces are found in several of SUNY Fredonia's 49 buildings. While the offices of many of SUNY Fredonia's departments are together in a single building, others are fragmented across several buildings, as the following table illustrates.

Just over 27 percent of all SUNY Fredonia space is used for instructional classroom, laboratory, and research use (PSI space code types 1000, 1300, 1500, and 2000), and over 20 percent of campus space is reserved for faculty and staff office use (space codes 3000, 5000, and 6000, respectively). Together, these two program areas represent roughly half of all campus space. In terms of departmental distribution, Residential Hall-Administration, Health and Physical Education, Food Serve-FSA Contract, and Theatre Arts constitute the largest program pieces on the SUNY Fredonia campus.

The table on this and the following sheets (Figure B5) presents SUNY Fredonia spaces according to space type code and distribution by department and building. Spaces at the Incubator building in Dunkirk are shown in blue.

The table also begins to establish the foundation of the order-of-magnitude space program, by allowing for a comparison of existing space by department or unit to that of current right-sized need and projected need.

**Figure B5:
Space Distribution by Department, Building, and Space Type Code**

Department/Unit	Building	1000 Classrooms/Lecture Halls	1300 Laboratory Facilities	1500 Special Use Facilities	2000 Research Facilities	3000 Departmental Support	4000 Library Facilities	5000 Administrative Facilities	6000 Student/Faculty Activity Facilities	6500 Assembly & Exhibition Facilities	7000 Central Service Facilities	8000 Medical Facilities	9000 Residence Facilities	NASF TOTAL
Academic Computing	D Reed Library							986						986
	Maytum Hall							2,329						2,329
	Thompson Hall					128		380						508
	Department/Unit Total					128		3,695						3,823
Academic Planning	Fenton Hall							244						244
Administration - Student Affairs	Maytum Hall							2,072						2,072
	Thompson Hall								120					120
	Department/Unit Total							2,072	120					2,192
Administration & Management M&O	Campus Storage										2,206			2,206
	Maintenance Building		3,220					2,568	460		234			6,482
	Department/Unit Total		3,220					2,568	460		2,440			8,688
Admissions	Admissions Annex							1,010		30				1,040
	Fenner House							2,048						2,048
	Maytum Hall							597						597
	Department/Unit Total							3,655		30				3,685
Alumni Relations	Admissions Annex							95						95
	Alumni House							510						510
	Department/Unit Total							605						605
ASC-Laundry	Alumni Hall Stage II												704	704
	Chautauqua Hall Stage VI												704	704
	Disney Hall Stage IX												463	463
	Eisenhower Hall-Stage IX												463	463
	Food Service										312			312
	Gregory Hall Stage I												840	840
	Grissom Hall Stage VIII												463	463

E DISTRIBUTION OF EXISTING SPACE

Department/Unit	Building	1000 Classrooms/Lecture Halls	1300 Laboratory Facilities	1500 Special Use Facilities	2000 Research Facilities	3000 Departmental Support	4000 Library Facilities	5000 Administrative Facilities	6000 Student/Faculty Activity Facilities	6500 Assembly & Exhibition Facilities	7000 Central Service Facilities	8000 Medical Facilities	9000 Residence Facilities	NASF TOTAL
	Hemingway Hall Stage XIII												468	468
	Hendrix Hall Stage XIII												468	468
	Igoe Hall Stage XI												468	468
	Kasling Hall Stage VIII												463	463
	McGinnies Hall Stage IV												704	704
	Nixon Hall Stage VI												704	704
	Schulz Hall Stage XI												468	468
	Department/Unit Total										312		7,380	7,692
Assessment	Thompson Hall					220								220
	Alumni House												2,914	2,914
	Fenton Hall								756					756
	Field House								391					391
	Gregory Hall Stage I							3,954	310					4,264
	Mason Hall								715					715
	McEwen Hall								275					275
	University Commons							3,384	305				549	4,238
	Department/Unit Total							7,338	2,752				3,463	13,553
Biology	Jewett Hall		16,974	379	6,148	4,296		346	1,000	1,675				30,818
	Fenner House										480			480
	Gregory Hall Stage I										520			520
	Maintenance Building							75			2,582			2,657
	Department/Unit Total							75			3,582			3,657
Business Administration	Thompson Hall	300				3,141			280					3,721
	Maytum Hall							661						661
	Williams Center							1,089						1,089
	Department/Unit Total							1,750						1,750
Business Manager	Maytum Hall								522					
	Thompson Hall								150					

Department/Unit	Building	1000 Classrooms/Lecture Halls	1300 Laboratory Facilities	1500 Special Use Facilities	2000 Research Facilities	3000 Departmental Support	4000 Library Facilities	5000 Administrative Facilities	6000 Student/Faculty Activity Facilities	6500 Assembly & Exhibition Facilities	7000 Central Service Facilities	8000 Medical Facilities	9000 Residence Facilities	NASF TOTAL
	Department/Unit Total								672					
Campus Wide Facilities	Dods Hall	1,124		4,234										5,358
	Fenton Hall	7,900												7,900
	Houghton Hall	2,000												2,000
	Jewett Hall	1,385	357											1,742
	Mason Hall	4,650												4,650
	McEwen Hall	11,861												11,861
	Rockefeller Arts Center	1,086												1,086
	Thompson Hall	8,795	1,921		399	310								11,425
	Department/Unit Total	38,801	2,278	4,234	399	310								46,022
Career Development-Student Placement	Gregory Hall Stage I							2,448						2,448
Central Duplicating & Printing	Fenton Hall							279						279
	Gregory Hall Stage I							176			2,245			2,421
	Department/Unit Total							455			2,245			2,700
Central Stores	Maintenance Building							192	136					328
	Stockade-Storage										2,400			2,400
	Department/Unit Total							192	136		2,400			2,728
Chemistry & Biochemistry	Houghton Hall		8,215		7,603	2,524								18,342
Chief Academic Office	D Reed Library							1,673						1,673
	Fenton Hall							210	770					980
	Houghton Hall								72					72
	Jewett Hall							346						346
	Maytum Hall							1,680						1,680
	Thompson Hall								222					222
	Department/Unit Total							3,909	1,064					4,973
Chief Administrative Office	Fenton Hall							2,745						2,745
	Houghton Hall								666					666
	LoGrasso Hall												501	501
	President Residence												9,030	9,030

E DISTRIBUTION OF EXISTING SPACE

Department/Unit	Building	1000 Classrooms/Lecture Halls	1300 Laboratory Facilities	1500 Special Use Facilities	2000 Research Facilities	3000 Departmental Support	4000 Library Facilities	5000 Administrative Facilities	6000 Student/Faculty Activity Facilities	6500 Assembly & Exhibition Facilities	7000 Central Service Facilities	8000 Medical Facilities	9000 Residence Facilities	NASF TOTAL
	Department/Unit Total							2,745	666				9,531	12,942
Child/Day Care	Thompson Hall							728	2,898					3,626
College Affairs	Fenton Hall							156						156
	Foundation House		319					2,900	244			82	637	4,182
	Department/Unit Total		319					3,056	244			82	637	4,338
Communication Disorders & Science	Thompson Hall		1,130	2,560		1,558		764						6,012
Communication Disorders Reimb	Thompson Hall		160											160
Communications	Hendrix Hall Stage XIII							92	3,157					3,249
	Jewett Hall					230								230
	McEwen Hall	600	2,181	3,258		2,817		918						9,774
	Department/Unit Total	600	2,181	3,258		3,047		1,010	3,157					13,253
Computer & Information Sciences	Fenton Hall		853		22	1,167		336					2,378	
Computer Services	D Reed Library							22						22
	Maytum Hall							2,886						2,886
	Williams Center							14						14
	Department/Unit Total							2,922						2,922
Copy Center	Thompson Hall							547					547	
Counseling/Academic Advising	Fenton Hall							1,061						1,061
	Maytum Hall							317						317
	Department/Unit Total							1,378						1,378
Custodial Services	Alumni Hall Stage II								168					168
	Dods Hall			48										48
	Gregory Hall Stage I								280					280
	HPE Storage			241										241
	LoGrasso Hall							40						40
	Mason Recital Hall			379										379
	Nixon Hall Stage VI		104											104
	Williams Center							205						205
Department/Unit Total		104	668				245	448					1,465	

Department/Unit	Building	1000 Classrooms/Lecture Halls	1300 Laboratory Facilities	1500 Special Use Facilities	2000 Research Facilities	3000 Departmental Support	4000 Library Facilities	5000 Administrative Facilities	6000 Student/Faculty Activity Facilities	6500 Assembly & Exhibition Facilities	7000 Central Service Facilities	8000 Medical Facilities	9000 Residence Facilities	NASF TOTAL
Dean of College of Education	Thompson Hall					763								763
	Fenton Hall					358								358
Dean, Special Programs	Thompson Hall				526	346		764	160					1,796
	Department/Unit Total				526	704		764	160					2,154
Dean-Natural and Social Sciences	D Reed Library							198						198
	Maytum Hall							578						578
	Department/Unit Total							776						776
Economics	Thompson Hall		190			1,000								1,190
Education, Department of	Thompson Hall	34	3,082		585	4,943		110	210	620				9,584
	D Reed Library							124						124
	Fenton Hall							88						88
Educational Communications	Maytum Hall			60										60
	McEwen Hall			330		554								884
	Thompson Hall		2,652	6,547		1,240		300						10,739
	Department/Unit Total		2,652	6,937		1,794		512						11,895
English	Fenton Hall		130		1,118	4,843								6,091
	Maytum Hall							289						289
Environmental Health & Safety	McGinnies Hall Stage IV							1,002						1,002
	Department/Unit Total							1,291						1,291
EOP Administration	Thompson Hall		345					680						1,025
EOP Tutoring	Thompson Hall			240										240
Equip-Bldg Sys-Util Dist Sys	Maintenance Building							239		1,519				1,758
Facilities Planning	Hendrix Hall Stage XIII							1,599						1,599
Faculty Support Staff Savings	Thompson Hall					120								120
Fall/Spring Overflow Enrollment	Hendrix Hall Stage XIII							301						301
Finance & Administration	Maytum Hall							3,687						3,687
	Maytum Hall							2,310						2,310
Financial Aid	Williams Center							1,841						1,841
	Department/Unit Total							4,151						4,151

E DISTRIBUTION OF EXISTING SPACE

Department/Unit	Building	1000 Classrooms/Lecture Halls	1300 Laboratory Facilities	1500 Special Use Facilities	2000 Research Facilities	3000 Departmental Support	4000 Library Facilities	5000 Administrative Facilities	6000 Student/Faculty Activity Facilities	6500 Assembly & Exhibition Facilities	7000 Central Service Facilities	8000 Medical Facilities	9000 Residence Facilities	NASF TOTAL
Fine Arts Activities	Rockefeller Arts Center		10					756						766
Food Service-FSA Contract	Erie Hall Dining Stage VIII							272	974				9,189	10,435
	Fenton Hall								45					45
	Food Service							1,132	120		7,083			8,335
	McEwen Hall								115					115
	Stadium Facility								213					213
	University Commons								17,044				5,182	22,226
	Williams Center							2,528	18,314					20,842
	Department/Unit Total							3,932	36,825		7,083		14,371	62,211
Freshman Seminar	D Reed Library							505						505
	Maytum Hall							680						680
	Department/Unit Total							1,185						1,185
General Library	Carnahan Jackson Center					542	22,280							22,822
	D Reed Library						34,951	2,091	480					37,522
	Jewett Hall						1,404							1,404
	Mason Hall					180								180
	Department/Unit Total					722	58,635	2,091	480					61,928
Geology	Houghton Hall		7,868		2,588	2,414							12,870	
Grounds Maintenance	Butler Building								336		3,601			3,937
	Maintenance Building							34						34
	Salt Storage										1,080			1,080
	Department/Unit Total							34	336		4,681			5,051
Health And Physical Education	Dods Hall	78	556	35,296		3,365			194					39,489
	Field House			60,362		999								61,361
	HPE Storage			564										564
	Jewett Hall							462						462
	Press Box			685										685
	Stadium Facility			1,731										1,731

Department/Unit	Building	1000 Classrooms/Lecture Halls	1300 Laboratory Facilities	1500 Special Use Facilities	2000 Research Facilities	3000 Departmental Support	4000 Library Facilities	5000 Administrative Facilities	6000 Student/Faculty Activity Facilities	6500 Assembly & Exhibition Facilities	7000 Central Service Facilities	8000 Medical Facilities	9000 Residence Facilities	NASF TOTAL
	Steele Hall Natatorium			477										477
	Department/Unit Total	78	556	99,115		4,364		462	194					104,769
History	Thompson Hall	570				2,165		240						2,975
Human Resources	Maytum Hall							1,398						1,398
I&DR Equip/Space Steward.(PSI)	Eisenhower Hall-Stage IX		500											500
	Fenton Hall		147											147
	McEwen Hall		2,214	200										2,414
	Thompson Hall		1,059											1,059
	Department/Unit Total		3,920	200										4,120
Incubator-Dunkirk	Incubator		1,549				10,610		270	308				12,737
Institutional Studies	Maytum Hall							430						430
Instruction General	Fenton Hall	3,972												3,972
	Grissom Hall Stage VIII	500												500
	Houghton Hall	760												760
	Jewett Hall	2,173												2,173
	Kasling Hall Stage VIII	500												500
	Department/Unit Total	7,905												7,905
Interdisciplinary Studies	Fenton Hall					134								134
Learning Center	Carnahan Jackson Center		1,860					1,496						3,356
Liberty Partnerships	Thompson Hall							120						120
Lifelong Learning & Special Prog	Fenton Hall							1,059						1,059
	LoGrasso Hall		28					1,309				120		1,457
	Williams Center							496						496
	Department/Unit Total		28					2,864				120		3,012
Mail and Messenger	Maytum Hall						581							581
Maint (Mechanical) Stores Clerk	Maintenance Building						208							208
Mathematics	Fenton Hall		1,894		62	2,361		114	530					4,961
Modern Languages	Fenton Hall		923		685	2,404								4,012

E DISTRIBUTION OF EXISTING SPACE

Department/Unit	Building	1000 Classrooms/Lecture Halls	1300 Laboratory Facilities	1500 Special Use Facilities	2000 Research Facilities	3000 Departmental Support	4000 Library Facilities	5000 Administrative Facilities	6000 Student/Faculty Activity Facilities	6500 Assembly & Exhibition Facilities	7000 Central Service Facilities	8000 Medical Facilities	9000 Residence Facilities	NASF TOTAL
Motorized Equipment Maintenance	Maintenance Building										4,637			4,637
Multicultural Affairs	Thompson Hall							407						407
Music - General Operations	Mason Hall	1,067	7,629			1,932			1,935	2,906				15,469
	Mason Hall Addition	1,105	11,420		892	6,080		2,906	811					23,214
	Mason Hall Annex		7,608			114								7,722
	Mason Recital Hall	1,081	382	1,052		1,146				6,076				9,737
	Department/Unit Total	3,253	27,039	1,052	892	9,272		2,906	2,746	8,982				56,142
Music - Recharges and Expenses	Mason Hall Addition							166						166
Native American Project	Thompson Hall							395						395
Off-Campus Supervised Teaching	Thompson Hall					334		220						554
Outreach/Marketing	Mason Hall Addition								168					168
Philosophy	Fenton Hall				190	1,335								1,525
Physics	Houghton Hall		10,107		4,716	2,438								17,261
Political Science	Thompson Hall				560	1,790								2,350
Psychology	Thompson Hall	684	53		1,233	2,100			275					4,345
Publications	Fenton Hall							1,054						1,054
	Foundation House							566						566
	Department/Unit Total							1,620						1,620
Purchasing	Maytum Hall						860							860
Reading Clinic Reimbursable	Thompson Hall			1,708	180	375								2,263
Recreational Facilities Reimburs	Field House									168				168
	Steele Hall Natatorium		1,146	19,061		209				1,109				21,525
	Department/Unit Total		1,146	19,061		209				1,277				21,693
Registrar	D Reed Library							1,450						1,450
	Maytum Hall							2,147						2,147
	Department/Unit Total							3,597						3,597
Res Hall-Admin & Mgmt M&O	Alumni Hall Stage II							301						301
	Chautauqua Hall Stage VI							231						231
	Disney Hall Stage IX							330						330

Department/Unit	Building	1000 Classrooms/Lecture Halls	1300 Laboratory Facilities	1500 Special Use Facilities	2000 Research Facilities	3000 Departmental Support	4000 Library Facilities	5000 Administrative Facilities	6000 Student/Faculty Activity Facilities	6500 Assembly & Exhibition Facilities	7000 Central Service Facilities	8000 Medical Facilities	9000 Residence Facilities	NASF TOTAL	
	Eisenhower Hall-Stage IX							377						377	
	Grissom Hall Stage VIII							330						330	
	Hendrix Hall Stage XIII							269						269	
	Igoe Hall Stage XI							269						269	
	Kasling Hall Stage VIII							377						377	
	McGinnies Hall Stage IV							303						303	
	Nixon Hall Stage VI							328						328	
	Schulz Hall Stage XI							269						269	
	Department/Unit Total								3,384						3,384
	Res Hall-Administration	Alumni Hall Stage II												25,707	25,707
Chautauqua Hall Stage VI													25,224	25,224	
Disney Hall Stage IX													33,902	33,902	
Eisenhower Hall-Stage IX													33,930	33,930	
Gregory Hall Stage I								2,002					28,882	30,884	
Grissom Hall Stage VIII													34,051	34,051	
Hemingway Hall Stage XIII								269	1,943				32,622	34,834	
Hendrix Hall Stage XIII													32,454	32,454	
Igoe Hall Stage XI													32,221	32,221	
Kasling Hall Stage VIII													33,451	33,451	
McGinnies Hall Stage IV													27,419	27,419	
Nixon Hall Stage VI				42									28,172	28,214	
Schulz Hall Stage XI									2,072				32,732	34,804	
University Commons									81				23,835	23,916	
Department/Unit Total				42					2,352	4,015				424,602	431,011

E DISTRIBUTION OF EXISTING SPACE

Department/Unit	Building	1000 Classrooms/Lecture Halls	1300 Laboratory Facilities	1500 Special Use Facilities	2000 Research Facilities	3000 Departmental Support	4000 Library Facilities	5000 Administrative Facilities	6000 Student/Faculty Activity Facilities	6500 Assembly & Exhibition Facilities	7000 Central Service Facilities	8000 Medical Facilities	9000 Residence Facilities	NASF TOTAL
Res Hall-Buildings-Structural	Incubator							114						114
	University Commons							201	1,435				1,459	3,095
	Department/Unit Total							315	1,435				1,459	3,209
Res Hall-Custodial Services	Alumni Hall Stage II							1,057						1,057
	Gregory Hall Stage I									834			1,020	1,854
	Hendrix Hall Stage XIII												156	156
	Igoe Hall Stage XI												1,008	1,008
	McGinnies Hall Stage IV												85	85
	Nixon Hall Stage VI												40	40
	Schulz Hall Stage XI												156	156
	University Commons												283	283
	Department/Unit Total								1,057		834		2,748	4,639
	Research Administration	Maytum Hall							225					
Thompson Hall						1,199								1,199
Department/Unit Total						1,199		225						1,424
Research Grants	Thompson Hall					240	330							570
Sabbatical Replace,Dean Grad Pro	Maytum Hall						170							170
School Of Business	Thompson Hall					622								622
Security and Safety	Gregory Hall Stage I							1,769	800					2,569
Sociology/Anthropology	Thompson Hall	21			404	2,210								2,635
Student Billing/Cashiering	Maytum Hall							1,663						1,663
	Williams Center		50					1,521						1,571
	Department/Unit Total		50					3,184						3,234
Student Counseling	LoGrasso Hall		167					1,110			55			1,332
Student Health Services	LoGrasso Hall							654			2,748			3,402
Student Union	Fenton Hall								980					980
	Field House								306					306
	Houghton Hall								1,232					1,232
	Jewett Hall								1,316					1,316

Department/Unit	Building	1000 Classrooms/Lecture Halls	1300 Laboratory Facilities	1500 Special Use Facilities	2000 Research Facilities	3000 Departmental Support	4000 Library Facilities	5000 Administrative Facilities	6000 Student/Faculty Activity Facilities	6500 Assembly & Exhibition Facilities	7000 Central Service Facilities	8000 Medical Facilities	9000 Residence Facilities	NASF TOTAL
	Maytum Hall								578					578
	Rockefeller Arts Center								670					670
	Thompson Hall							136	780					916
	Williams Center							8,196	30,244					38,440
	Department/Unit Total							8,332	36,106					44,438
Theatre Arts	Campus Storage										2,109			2,109
	Dods Hall		4,000	435		130								4,565
	Rockefeller Arts Center	2,177	5,821			1,689				43,286				52,973
	Department/Unit Total	2,177	9,821	435		1,819				43,286	2,109			59,647
Utilities Plant	Central Heating Plant							126	161		811			1,098
Veterans Admin Reporting Fee	Nixon Hall Stage VI							188						188
Visual Arts & New Media	Hemingway Hall Stage XIII		599			325								924
	Hendrix Hall Stage XIII		1,076											1,076
	Igoe Hall Stage XI	481	2,606			586								3,673
	McEwen Hall		2,501			1,598		91						4,190
	Rockefeller Arts Center	14	18,478		623	2,746				5,277				27,138
	Schulz Hall Stage XI		394					42						436
	Department/Unit Total	495	25,654		623	5,255		133		5,277				37,437
Visual Media Services	Igoe Hall Stage XI		588											588
	Schulz Hall Stage XI							42						42
	Department/Unit Total		588					42						630
VP Student Affairs	LoGrasso Hall											160		160
TOTAL		54,918	135,108	139,847	28,534	84,930	58,635	107,588	97,974	61,147	32,653	3,165	464,191	1,268,690

Instructional Space Utilization

Overview

The primary purpose of the instructional space utilization analysis is to inform facilities planning decisions and support the allocation of capital resources within the context of the campus Master Plan. The outcome of this detailed analysis of instructional spaces is intended to enable Fredonia planners to provide the right type of space, in the right amount, in the right location, and at the right time.

There are two kinds of instructional space included in this analysis: general-purpose classroom and specialized instructional space. The National Center for Education Statistics (NCES) defines a general-purpose classroom (PSI 1000) as:

A room used for courses that are not tied to a specific subject or discipline by equipment in the room or the configuration of the room. . . . [These rooms are] generally used for scheduled instruction that require no special, restrictive equipment or configuration. A classroom may be furnished with special equipment (e.g., globes, pianos, maps...) appropriate to a specific area of study, if this equipment does not render the space unsuitable for use by classes in other areas of study. (p. 47)

U.S. Department of Education, National Center for Education Statistics. (2006). Postsecondary Education Facilities Inventory and Classification Manual (FICM): 2006 Edition (NCES 2006-160). U.S. Department of Education. Washington, DC: National Center for Education Statistics.

Specialized Instructional Space (PSI 1300) is defined by the NCES as:

A space used primarily for formally or regularly scheduled instruction (including associated mandatory, but non-credit-earning laboratories) that require special purpose equipment or a specific room configuration for student participation, experimentation, observations, or practice in an academic discipline. . . . A class laboratory is designed for or furnished with equipment to serve the needs of a particular discipline for group instruction in formally or regularly scheduled classes. This special equipment normally limits or precludes the space's use by other disciplines. (p. 50)

Specialized instruction space includes a variety of spaces such as life science labs, computer labs, painting and drawing studios, engineering labs, and nursing labs. Although NCES formally refers to these spaces collectively as "laboratory facilities," the more descriptive term of "specialized instructional space" is employed here to ensure clarity and avoid misunderstanding.

Methodology

The Master Planning Team's methodology for the instructional space utilization analysis is widely used and accepted in the realm of higher education. The process includes:

- a review of course scheduling and other relevant data,
- a discussion about applicable planning guidelines,
- definition of the assumptions on which the analysis is based, and
- a review of qualitative issues that affect the assignment and use of instructional spaces on the campus.

All general-purpose classrooms and specialized instructional spaces are reviewed for the three key target measures of instructional space utilization:

- seat or "station" size in assignable square footage per station,
- weekly room hour utilization rate, and
- station occupancy rates.

Applicable planning guidelines are then applied to identify current and projected instructional space "gaps" and future needs. The findings from this analysis will inform the Master Plan by recommending a proposed array of general-purpose classrooms and specialized instructional spaces, along with their associated square feet. Application of the guidelines for these three target measures provides credible and defensible findings to support the planning and prioritization of vital capital improvements.

It should be noted that the multipliers and rates applied in this study are not rigid standards or prescriptive design requirements, but rather suggested planning guidelines that can be applied to help shape an institution's instructional space needs.

Target Measures for Utilization Analysis

Station Size General-Purpose Classrooms

"Station size" refers to the average amount of assignable square footage (ASF) available per student seat or "station" in a given instructional space.

An average of 20 to 25 ASF /station is recommended in a typical flat floor classroom. This figure can be lower or higher depending upon the total number of seats, as rooms with a higher number of stations generally have lower station sizes. The technology and type of furniture to be accommodated are also factors, since when a program calls for furniture to be reconfigurable, more space is needed. Large lecture halls generally have 12 to 15 ASF/station, whereas case room-style seating may require upwards of 40 to 50 ASF/station.

For the purposes of this analysis, a planning guideline of 22 ASF/station in general-purpose classrooms of 74 stations or fewer was applied to determine total classroom square footage needs. Actual classrooms are expected to fall both above and below this average ASF/station.

The total "order-of-magnitude" square footage of classroom need generated by this study provides Fredonia with a "pool" of space from which it can draw to determine the specific mix of classroom types and capacities during the detailed classroom program phase.

Specialized Instructional Spaces

The total space needs for specialized instructional spaces are calculated by applying a multiplier determined by the relative space needs of the particular discipline. The ASF/station requirements for Specialized Instructional spaces varies dramatically from 30 ASF/station in computer labs to well over 100 ASF/station in engineering or allied health labs. The multipliers include an additional 20% factor for associated support space.

As with the general-purpose classrooms, the intent was to determine a total order-of-magnitude square footage for specialized instructional spaces that can be configured to meet institutional needs.

Weekly Room Hour Utilization Rate

The "weekly room hour utilization rate" refers to the proportion of time that instructional spaces are actually scheduled and used. It has a direct and critical relationship to the "scheduling window" of time that those spaces are technically available for use and within which it is possible to schedule all or most courses.

The scheduling window is defined by day and evening use, and by course start and end times. Once the day and evening scheduling windows are defined, a brief analysis is conducted to determine whether day or evening room use will drive classroom space needs. At Fredonia, as on most campuses, day use is the driver.

Since weekly room hour utilization rates are calculated based on the institution's actual scheduling window, it is essential to define the hours of this window. Fredonia initially defined its day scheduling window as 43.17 total hours from Monday through Friday, as follows:

**Figure C1:
Initial Weekly Daytime Scheduling Window**

Days	Start/End Time	Hours
Monday/Wednesday	8:00 a.m. to 4:20 p.m.	16.67
Tuesday/Thursday/Friday	8:00 a.m. to 4:50 p.m.	26.50
Total Weekly Scheduling Window		43.17

The utilization analysis was initially run on this window, and presented for review. After discussion, a determination was made to adjust the window to match the 40-hour window endorsed by SUNY. Consequently, the utilization findings were recast to reflect the revised window. The revised findings are presented here.

The scheduling window has a direct impact on the total number of rooms required. The more compressed the scheduling window, the more rooms will be needed to support course offerings; the larger the window, the fewer the rooms.

General-Purpose Classrooms

The recommended planning guideline for scheduling general-purpose classrooms is to schedule 67% of available hours within the scheduling window, or 26.8 of the current 40 weekly daytime hours. Since classroom sizes, amenities, and course sizes all vary, the Registrar needs this flexibility to optimize potential matches between course needs and available classrooms. There are also other reasons that the 67% utilization rate is considered standard in academic planning:

- The remaining scheduling capacity of 33% of available hours provides critical flexibility to the Registrar at the beginning of each semester for adding course sections or changing section sizes.
- Time is made available for scheduling special and extracurricular events in classroom space.

- Faculty has a higher probability of obtaining their preferred teaching spaces.
- Classrooms can "air out" between uses.
- Classrooms are accessible for maintenance in between routine maintenance periods.

Specialized Instructional Spaces

The target weekly room hour utilization rate is lower for Specialized Instructional spaces than for general-purpose classrooms to allow adequate time for course set-up and break-down, as well as to provide open times for students to do self-directed study or research in these spaces.

Specialized Instructional spaces are typically scheduled 50% of the scheduling window, or 20 of the 40 hours. In the case of some individual Specialized Instructional spaces – and at campuses with smaller enrollments – the 50% rate may be unattainable for every course taught in an Specialized Instructional space, as there may be not be enough students who need to take these specialized courses.

Station Occupancy Rate

The "station occupancy rate" is the proportion of seats or stations that are occupied during the time an instructional space is scheduled, relative to the total number of stations in the space. As with the other target measures, these station occupancy rates reflect planning guidelines in consistent use through-out higher education.

General-Purpose Classrooms

When general-purpose classrooms are occupied, it is recommended that 67% of the available stations be filled. This is an average, so lower and higher occupancy rates will exist on a room-by-room basis.

Specialized Instructional Spaces

The comparable station occupancy guideline for SI spaces is 80%: because these spaces cost more to build than general-purpose classrooms, a more intensive use of these spaces is desirable. Also, these course sizes tend to be more predictable and controllable than courses held in general-purpose classrooms, because a closer match is possible between the space and the students enrolled.

Additional Issues for Consideration

Qualitative issues that vary with each campus also affect instructional space use, though their impact cannot be directly integrated into the quantitative analysis. Each of these issues has an impact on scheduling and utilization of space on campus, and should be taken into consideration as decisions regarding instructional space needs are made.

- **Contractual Issues**

The faculty contract may limit either credit-hour contact or the number of students by course or discipline that faculty may teach. This can affect room capacity and square footage.

- **Geographical Issues**

If an instructor teaches two back-to-back courses, he/she may request that the assigned instructional spaces be proximately located. Faculty requests to schedule courses in proximity to their offices can also influence the demand for rooms in those areas on campus that are close to faculty office buildings.

- **Quality Issues**

Poor physical quality is frequently responsible for low utilization of a space. Poor or inadequate heating, cooling, acoustics, lighting, location, sightlines and/or accessibility all can impact the desirability of a classroom. Another reason for low utilization is the lack of appropriate teaching technology, which appears to be an issue at Fredonia

- **Capacity Issues**

The selective overriding of course capacity is standard at most institutions. The application of a 67% station occupancy rate allows for such overages in enrollment in a room, assuming the course is assigned to an appropriately sized space. Of concern, however, is the extent to which course capacity is being overwritten. When overriding becomes the norm, it is important to identify the point at which it is time to add course sections to meet the demand.

- **Pedagogical Issues**

The understanding of the manner by which students learn is changing, as is the understanding of how the brain works. Today's students have a predilection to socialize, study, and work in groups. Group-based learning models are increasing the need for different kinds of interaction spaces where students and faculty may gather informally. Spaces are also needed where students may work in small groups and independently.

- **Scheduling Issues**

The type of faculty and student mix influences scheduling. Part-time/adjunct faculty are only often available to teach when it fits into their other scheduled duties, while part-time students must schedule around family and work needs. In contrast, a campus with a higher proportion of full-time faculty and full-time (especially residential) students promotes a more even distribution of scheduled courses. Fredonia's reliance on adjuncts has a direct impact on creating an atypical and expansive scheduling window.

Creation of the Data Set

This analysis is based on the Fall 2009 course schedule. Pertinent course scheduling data was collected from the Registrar and Scheduling Office, information was obtained from the Physical Space Inventory (PSI), and the data was augmented and vetted through campus interviews. The course names, meeting days and times, course locations, and the number of students enrolled was gathered from the Registrar as contained in the course data.

Information about square footage and space type (instructional, departmental, or specialized) was obtained from the PSI and corroborated by the Registrar.

The data was "scrubbed" via questions, issues, and caveats during the analysis. Issues among those addressed during this process are:

- **Eliminated or Merged Courses**

From the Registrar-supplied course data, some courses were "eliminated" to avoid double-counting, while other courses were "merged" to avoid under-reporting individual course enrollments.

- **Cross-Registration**

The same course may have been listed in more than one department; in these cases, enrollments were combined and the course was counted just once.

- **Cancelled, Zero Enrollment, or Off-Campus Courses**

Cancelled courses and courses listing zero enrollment were eliminated from the analysis since they obviously do not occupy space. Also extracted were those courses occurring off-campus, or those designated as independent study, dissertation/thesis or directed study (where students work with a faculty member directly and are not assigned to specific space on campus).

- **Missing Information**

Missing information such as TBAs, enrollment figures, and scheduling times was addressed and adjusted.

- **Renovation**

A number of spaces were identified as under renovation (Maytum) and some departments were currently being housed in swing-space in Williams as well as Reed Library.

- **Instruction Held in Other Spaces**

Several courses were scheduled in spaces that were not coded as either general-purpose classroom or Specialized Instructional space. This is to be expected in some specialized disciplines, such as theater courses taught in a black box space. However, in other instances it appeared to be because a space was the only one available at a specific time, or was the only space available for a particular kind of instruction. Examples include classes held in conference rooms, offices, student lounges, and even in service/support areas.

Many of these issues typically come to light during an instructional space utilization study, although the resolution varies by institution. To ensure a credible data set for subsequent analysis, The Master Planning Team worked closely with the Registrar and others to understand the campus culture and its scheduling idiosyncrasies before adjusting any of the data elements.

Utilization Findings: General-Purpose Classrooms and Lecture Halls

There are two sizes of instructional spaces under study at Fredonia. Those with 74 or fewer stations are considered "classrooms," and those with 75 stations or more are considered "lecture halls." This distinction was made to not skew the analysis, as the large capacity rooms are often used for other functions. The analysis is based on daytime utilization since classroom use during evening hours is reportedly much lower.

The first part of this section describes the overall findings about Fredonia's 48 general-purpose classrooms and 7 lecture halls, including their:

- current distribution by building,
- average station size by building, and
- distribution by room capacities.

Findings

Current Distribution By Building

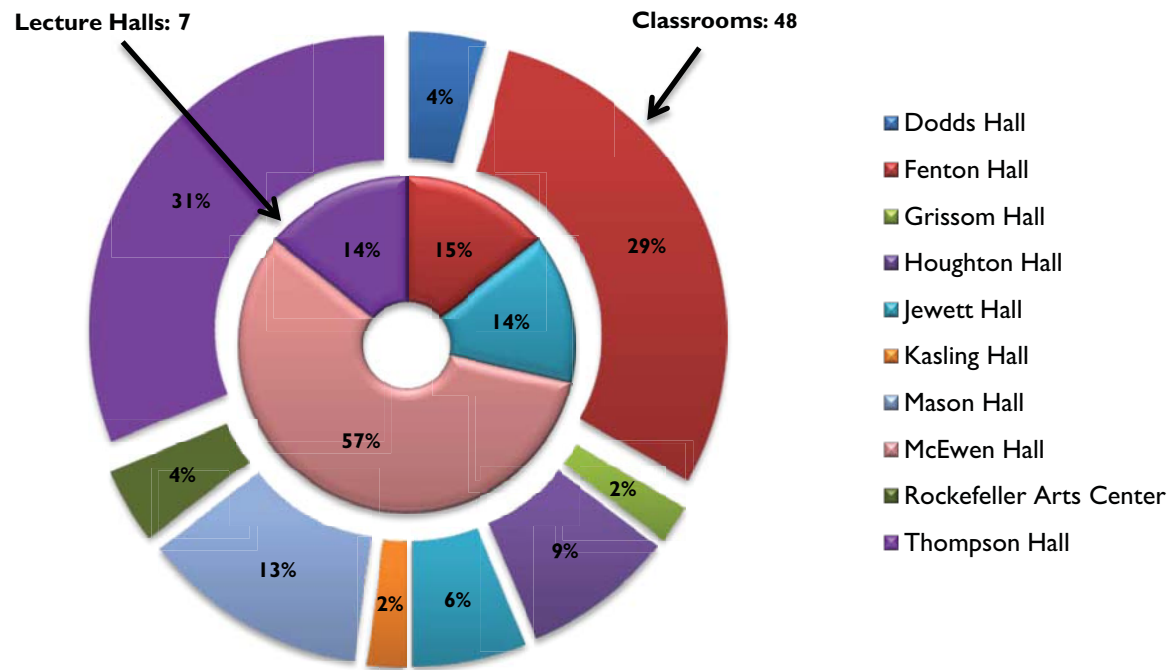
Figure C2 on next page shows the distribution of general-purpose classrooms and lecture halls across buildings on campus, not including instructionally-related support spaces.

- Most of the 48 general-purpose classrooms, indicated by the exterior ring in the graphic, are located in Thompson Hall, which contains 31%, or 15 classrooms, and Fenton Hall, which contains 29%, or 14 classrooms.
- The buildings having the fewest general-purpose classrooms are Grissom Hall and Kasling Hall, with one each.
- McEwen Hall, at four lecture halls, contains the most lecture halls, as indicated by the interior ring in the graphic. The remaining three are located in Fenton, Jewett, and Thompson Halls.

Station Size

Figure C3 on next page details the 55 general-purpose instructional spaces, which encompass 48,437 assignable square feet (ASF) of space and 2,984 student stations in a combination of movable and fixed seating. Sizes range from Thompson Hall E384 at 19 stations and 16.3 ASF/station, to McEwen Hall 209 at 14.4 ASF/station with 319 seats.

Figure C2:
Distribution of General-Purpose Classrooms and Lecture Halls by Building
(Note: Each "ring" sums to 100% of its respective type)



Room Capacities

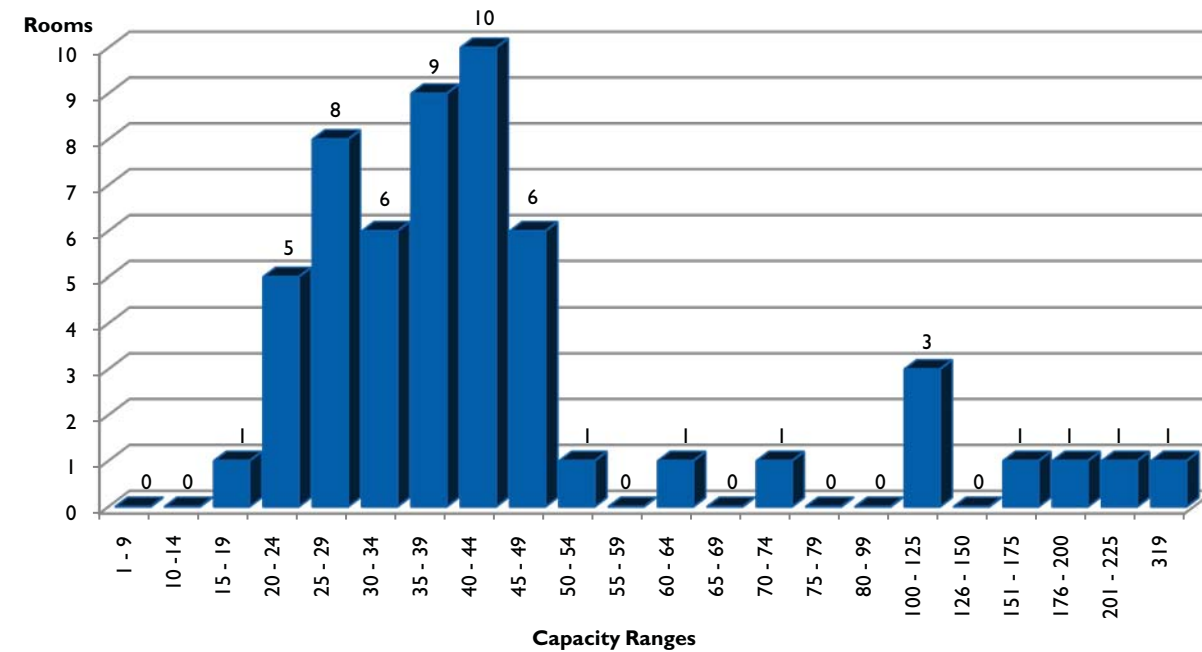
- General-purpose classroom capacities range from 19 seats in Thompson Hall E384 to 70 seats in Mason Hall 2019.
- Average general-purpose classroom capacity is 37 seats.
- The most common or modal general-purpose classroom capacity is 24 stations.
- Lecture hall capacities range from 104 seats in McEwen Hall G24 and G26 to 319 seats in McEwen Hall 209.
- Average lecture hall capacity is 174 seats.
- Modal lecture hall capacity is 104 seats.

Figure C4 on previous page sorts the general-purpose classrooms and lecture halls by the number of seat or stations.

Figure C3:
Summary of General-Purpose Classrooms by Building

Building	Rooms	Stations	ASF	Average ASF/Station
General-Purpose Classrooms				
Dodds Hall	2	72	1,224	15.6
Fenton Hall	14	539	9,600	17.8
Grissom Hall	1	24	500	20.8
Houghton Hall	4	156	2,780	17.7
Jewett Hall	3	84	1,385	16.5
Kasling Hall	1	24	500	20.8
Mason Hall	6	294	4,650	15.8
Rockefeller Arts Center	2	62	1,086	17.5
Thompson Hall	15	513	9,089	17.7
Subtotal, Classrooms	48	1,768	30,694	17.4
Lecture Halls				
Fenton Hall	1	119	1,690	14.2
Jewett Hall	1	166	2,173	13.1
McEwen Hall	4	736	11,480	15.6
Thompson Hall	1	195	2,400	12.3
Subtotal, Lecture Halls	7	1,216	17,743	14.6
Totals	55	2,984	48,437	16.9

Figure C4:
All Classrooms by Capacity (n=55)



Course Enrollments

There are 647 unique courses scheduled in Fredonia's 55 general-purpose instructional spaces. Unique courses are identified by their assigned individual course numbers, and each includes only a single section of a single course.

Figure C5 graphs the number of unique courses held in general-purpose instructional spaces by enrollment ranges corresponding to room capacity ranges in Figure C4.

- Enrollments for courses scheduled in general-purpose instructional spaces ranged from one to 201 students, with most courses enrolling between 20 and 39 students.
- Course enrollment and station capacity in classrooms ranged from one student in ENGL 600-01, Graduate Seminar in Professional Development, in Houghton Hall 213 with 48 stations, to 73 students in MUS 263-02, Music History in Western Civilization I, in Mason Hall 2019 with 70 stations.
- Mean enrollment for classroom courses was 24 students; the modal enrollment was 20 students.
- Course enrollment and station capacity in lecture halls ranged from seven students in BIOL 600-01, a Biology seminar, in Jewett Hall 101 with 166 stations to 234 students in MUS 021-01, University Chorus, in McEwen Hall 209 with 319 stations.
- Mean enrollment for lecture hall courses was 68 students; the modal enrollment was 40 students.

Scheduling Time Blocks

Campuses have standard scheduling time blocks during which the majority of courses are held. Typical standard time blocks are 50 minutes on Monday/Wednesday/Friday, or 75 minutes on Tuesday/Thursday. Fredonia has 50-minute blocks for Monday/Wednesday/Friday courses and also has 80-minute time blocks for Tuesday/Thursday and Monday/Wednesday courses. Courses start on the hour and half hour.

- Fredonia has 109 time blocks for general instruction courses.
- The scheduling window vetted by the Registrar has 16 standard day time blocks starting at 8:00 a.m. and ending anywhere between 3:30 p.m. to 5:15 p.m. depending on the day.
- Fully 68% of all courses are scheduled in the standard time blocks.

Some non-standard blocks are acceptable and expected; for example, Music and Art tend to schedule longer studio periods. However, the use of too many non-standard blocks begins to impinge on the use and scheduling flexibility of instructional spaces. Fortunately, to date, this has not been an issue for Fredonia because it has adequate space available for scheduling current course offerings.

Weekly Room Hour Utilization Rates

Space planning guidelines recommend that classrooms should be scheduled 67% or two-thirds of the time available in the scheduling window. In Fall 2009, a total of 1,597.40 weekly hours of instruction were offered in 647 day courses. During the same period, 2,200 weekly daytime room hours were available for scheduling in Fredonia's general-purpose instructional spaces, based on a daytime scheduling window of 40 hours multiplied by 55 classroom spaces. These data reveal that, on average, Fredonia's general-purpose instructional spaces were scheduled for instruction just above the guideline of 67% of available weekly daytime hours, at 72.6%.

Fredonia's overall utilization rate for its 48 general-purpose classrooms with 74 stations or less is slightly lower, or 69%. This assumes 1,902 weekly daytime classroom hours available and 1,330.9 hours of instruction scheduled across 555 courses. Conversely, the average utilization rate for Fredonia's seven lecture halls was 81%, based on 280 weekly daytime lecture hall hours available and 226.5 hours of instruction across 92 courses. While the utilization rate for classrooms roughly matches the 67% guideline, the utilization rate for lecture halls substantially exceeds it. This would generally mean that these spaces are overutilized, although there are mitigating factors here. For example, a number of the courses held in the lecture halls would, more appropriately, be held in general-purpose classrooms, instead.

Figure C5:
Number of Unique Courses by Course Enrollment (n=647)

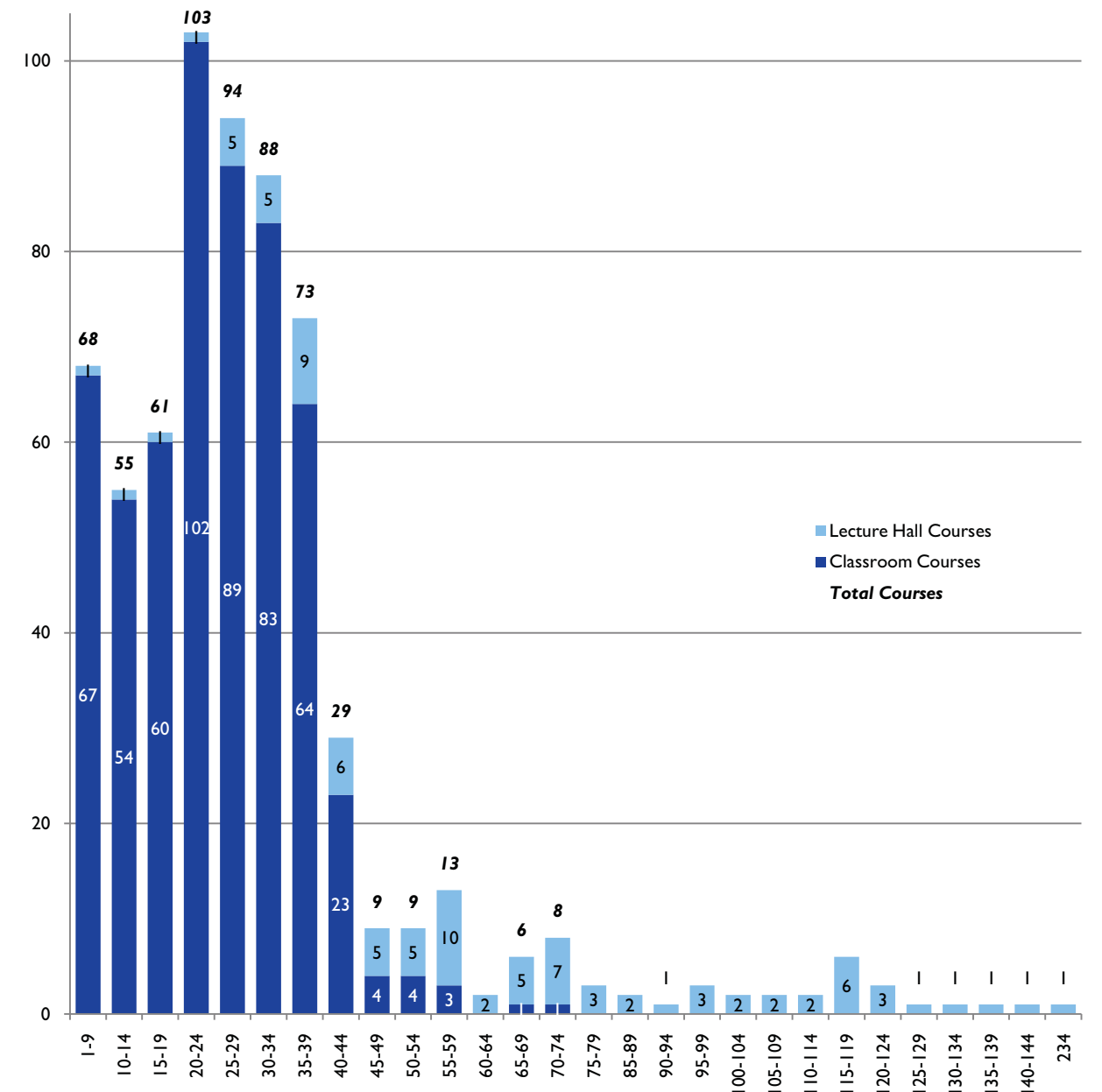


Figure C6:
Weekly Room Hour Utilization for 55 General-Purpose Classrooms and Lecture Hall

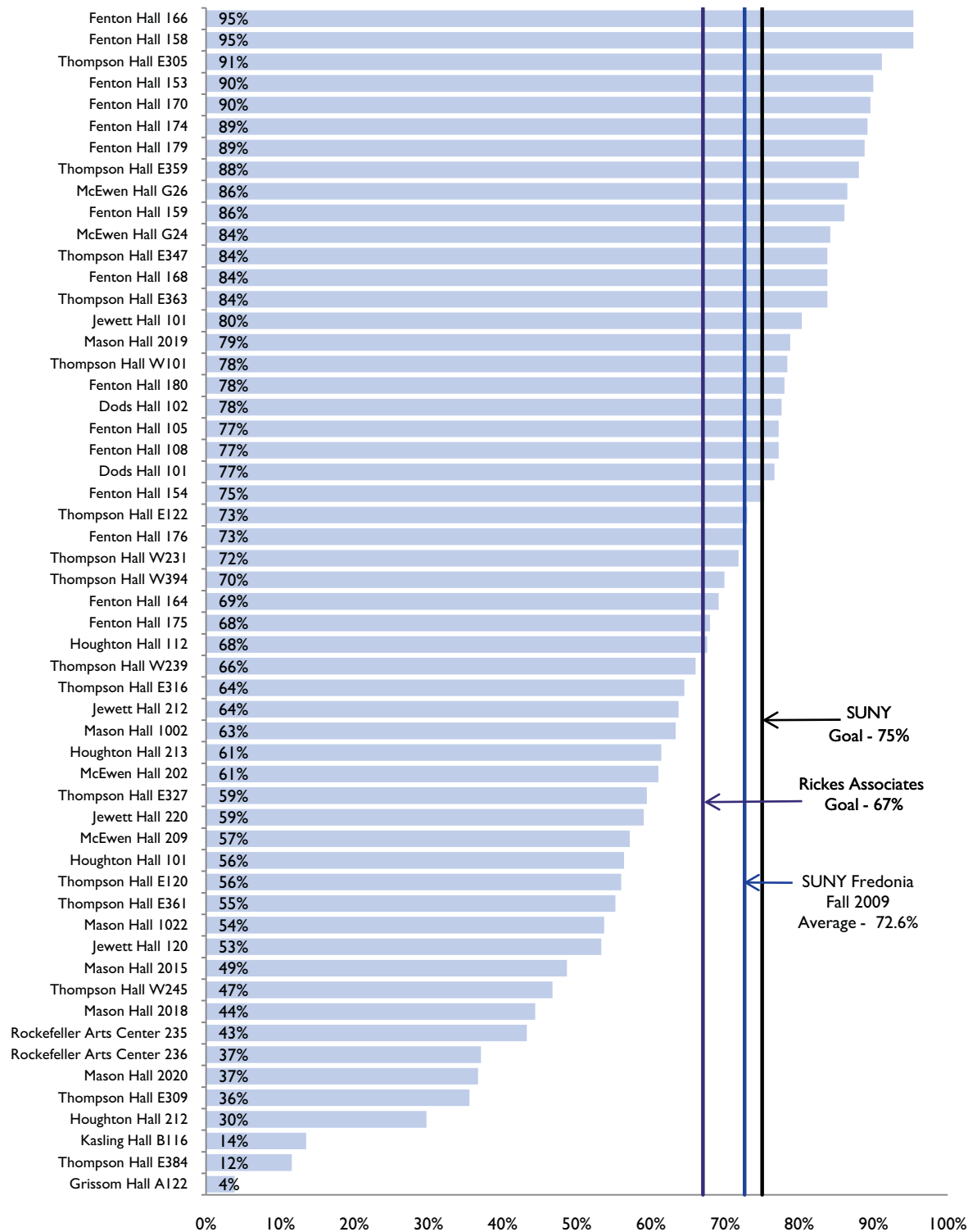


Figure C6 displays the percentage hours scheduled by room and shows The Master Planning Team's planning guideline goal of 67%, Fredonia's actual 72.6%, and SUNY's goal of 75%.

Course Distribution by Day and Time

While Figure C7a displays the percent of daytime course meetings scheduled on a given day (or multiple times per week on a combination of days), Figure C7b reflects the distribution of course meetings on a given day as a percent of the total number of meetings per week. These figures are based on all day courses scheduled in both general-purpose classrooms and lecture halls.

Theoretically, if all courses were distributed evenly across five days, 20% of all course meetings would occur each day. This would provide maximum flexibility, as $100\% - 67\% = 33\%$ of all available time in each space would not be scheduled each day and theoretically available for unscheduled uses. It is important to note that in the real world, however, scheduling flexibility decreases as course offerings increase on any given day. Many campuses have a policy that few courses are scheduled on Fridays after noontime. In fact, some campuses do not schedule on Fridays at all, and use those days for labs, special curricular events, or as

discussion days. Fredonia's Fall 2009 course data, however, revealed that Friday ranked third in terms of course meetings scheduled among the five weekdays. As shown in Figure C7a and C7b.

- Almost three quarters of Fredonia's day courses are in the traditional MWF or TR pattern.
- Twenty percent of the courses are on a one-day per week schedule.
- There are 1,445 individual course meetings per week on campus, of which 669 are split almost evenly between Mondays and Wednesdays at 23% of total course meetings scheduled for each of these days. (These include courses that met only on Mondays or Wednesdays, as well as courses that met on a combination of weekdays such as MW, or MWF.)

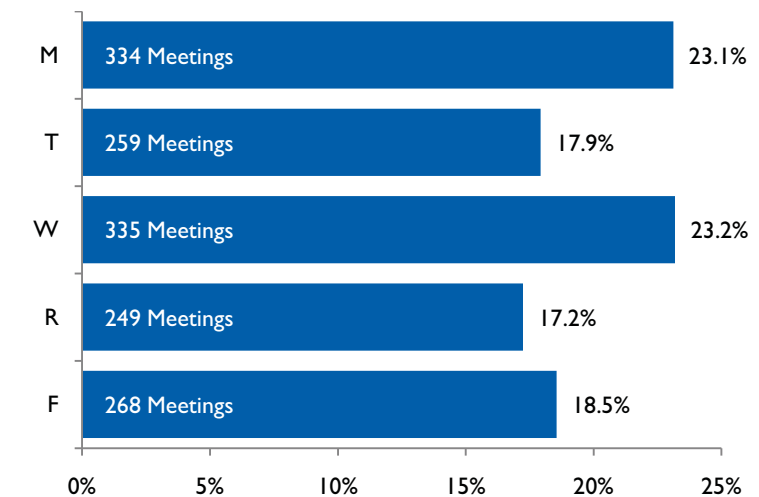
Figures C8a and C8b on the next page show the number of course meetings occurring during each five-minute time block for each day of the week. Each line in this graph depicts how many of the classrooms are scheduled during each time block on each day. In order to provide a complete picture, all 55 spaces are included in this graph, both day and evening.

Figure C7a:
Day Courses by Day of the Week

Meeting Day	Percent of Courses
Monday (M)	5%
Tuesday (T)	5%
Wednesday (W)	5%
Thursday (R)	3%
Friday (F)	2%
MWF	39%
MW	7%
MF	<1%
MWRF	<1%
TR	35%
Total	100%

May not total 100% because of rounding

Figure C7b:
Course Meetings by Day of the Week (n=1,445)



- The highest number of rooms in simultaneous use between 8:00 a.m. and 8:55 a.m. is 26. This occurs on Tuesdays between 8:30 and 8:45 a.m.
- Peak use occurs on Tuesdays between 11:00 a.m. and 11:45 a.m. with 50 classrooms in simultaneous use.
- The most number of rooms scheduled on Fridays is 47 between 10:00 a.m. and 10:45 a.m. Classroom use declines on Fridays from 40 rooms at 1:45 p.m. to two rooms by 4:00 p.m.

Seat or Station Occupancy Rates

The planning guideline for station occupancy is that 67% or two thirds of the stations should be filled when an instructional space is scheduled. Fredonia fills an average of 62% of all available stations in general-purpose classrooms seating 74 or fewer students and 41% in lecture halls seating 75 or more. Although the classroom average would appear to be comfortably close to the guideline, there are rooms and courses that over- or under-fill their spaces. These rooms and courses require a closer look. As shown in Figure C9 on next page.

The Appendix provides room-by-room details of the overall classroom utilization patterns (for day use only), including the percentage of weekly room hours scheduled, the percentage of stations occupied, and the ASF per room and per station.

On a room-by-room basis, four general-purpose classrooms equal or exceed 80% station occupancy. A high occupancy rate means that there is less flexibility in how classroom space can be used and scheduled, whereas a low rate suggests potentially inefficient use of the space.

- For general-purpose classrooms of 74 stations or less, occupancy ranges from a low of 17% in Mason Hall 2015 to a high of 88% in Thompson Hall E327.
- For instructional spaces with 75 or more stations, occupancy ranges from a low of 36% in McEwan Hall 209 to a high of 46% in Fenton Hall 105.
- An average of only 41% of all available stations are occupied when lecture halls are scheduled. This is caused by many smaller courses being scheduled in larger spaces than they require.

Additional Considerations

Lectures in Other Spaces

During the “scrubbing” of the data, The Master Planning Team identified courses that were being scheduled in spaces that were identified as primarily non-instructional in nature, although it is not entirely unusual for courses to be scheduled in such spaces. The following are the atypical spaces in which credit-bearing courses are scheduled:

- Special Class Laboratories: Code 1301
- Individual Study Lab (Practice): Code 1302
- Auto-Tutorial Labs/Dry: Code 1304
- Individual Project Lab/Studio: Code 1306
- Clinic Facilities (Non-Medical): Code 1501
- Physical Education Class Activity: Code 1600
- Audio-Visual Production Facilities: Code 1700
- Research Facilities: Code 2001
- Class Laboratories/Classroom: Code 1300/1001
- Faculty Offices: Code 3001
- Lounge/ Organization Facilities/Auxiliary Food Services: Code 6006
- Faculty Offices: Code 3001
- Lounge/ Organization Facilities/Auxiliary Food Services: Code 6006
- Assembly Seating: Code 6500
- Costume Shop/Other: Code 6502
- Exhibition Service: Code 6602
- Concert

It appears that most of these spaces were appropriate for the courses scheduled in them, although some may have been scheduled in spaces because that was the only space available at the preferred time. These may also be some space coding issues requiring further review. Each of these space types and their associated PSI code will be discussed below.

Special Class Laboratories: Code 1301

Thirty-one lecture courses totaling 76.50 hours of instruction were held in special class labs. It is not unusual for the didactic portion of a lab/studio course to be held in the lab/studio, as well.

Figure C8a:
Distribution of Courses by Day of the Week and Hour of the Day (n=55 rooms)

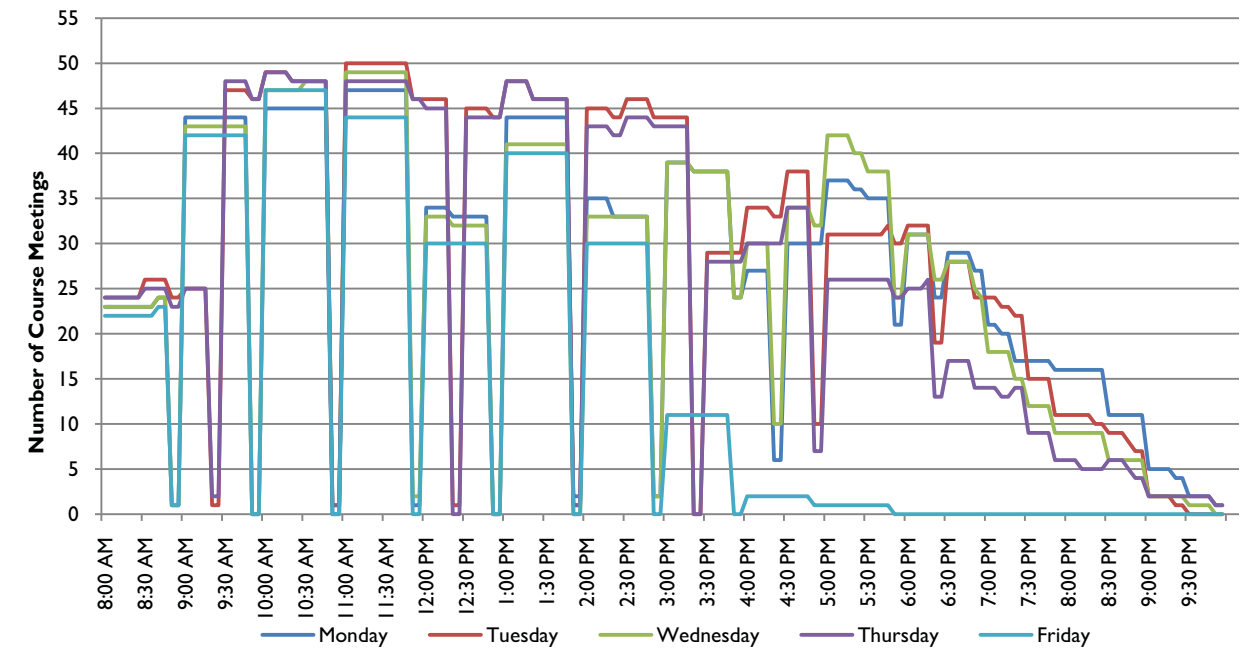


Figure C8b:
Distribution of Courses by Day of the Week and Hour of the Day (n=55 rooms)

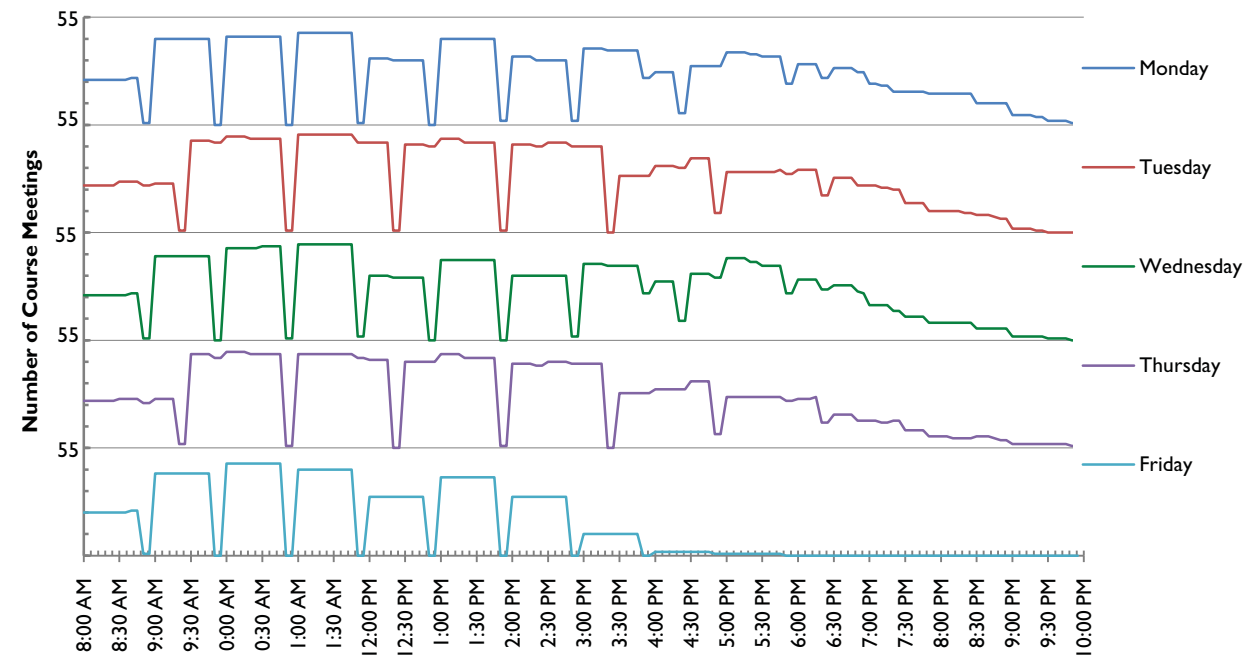


Figure C9:
Station Occupancy by Building for 55 Instructional Spaces

Building	Total Rooms	Total Stations	Total ASF	Average Station Size (ASF/Station)	Average % Stations Occupied
General-Purpose Classrooms					
Dodds Hall	2	72	1,224	15.6	76%
Fenton Hall	14	539	9,600	17.8	69%
Grissom Hall	1	24	500	20.8	79%
Houghton Hall	4	156	2,780	17.7	42%
Jewett Hall	3	84	1,385	16.5	62%
Kasling Hall	1	24	500	20.8	64%
Mason Hall	6	294	4,650	15.8	35%
Rockefeller Arts Center	2	62	1,086	17.5	80%
Thompson Hall	15	513	9,089	17.7	71%
Subtotal, Classrooms	48	1,768	30,694	17.4	62%
Lecture Halls					
Fenton Hall	1	119	1,690	14.2	46%
Jewett Hall	1	166	2,173	13.1	40%
McEwen Hall	4	736	11,480	15.6	41%
Thompson Hall	1	195	2,400	12.3	39%
Subtotal, Lecture Halls	7	1,216	17,743	14.6	41%
Totals	55	2,984	48,437	16.9	

Lecture Halls

Figure C10:
Summary of Lecture Halls by Building

Building	Total Rooms	Total Stations	Total ASF	Average Station Size (ASF/Station)	Total Courses	Total Hours
Fenton Hall	1	119	1,690	14.2	13	33.33
Jewett Hall	1	166	2,173	13.1	16	34.67
McEwen Hall	4	736	11,480	15.6	50	124.67
Thompson Hall	1	195	2,400	12.3	13	33.83
Total	7	1,216	17,743	14.6	92	226.50

Individual Study Lab (Practice): Code 1302

Twenty-nine courses accounting for 49.50 hours of instruction were held in study labs. It is possible these spaces should more appropriately be coded as special class laboratories.

Auto-Tutorial Labs/Dry: Code 1304

Spaces coded 1304 such as speech labs, language labs, or music labs are used as part of a course curriculum and may be either regularly scheduled and used, or scheduled to be used on an individual basis. Seventy-four course sections totaling 170.33 hours of instruction were scheduled in such spaces.

Individual Project Lab/Studio: Code 1306

Two spaces coded 1304 auto-tutorial labs/dry had four course sections totaling 16.67 hours of instruction scheduled in them. Thompson Hall E110, a television studio, has half of its net square feet coded 1304 and half 1700, audio visual production facility. Rockefeller Arts Center 325 is listed in the PSI as a class lab. The graphic design and typography courses scheduled in Rockefeller Arts Center 325 and the television news and studio production courses scheduled in Thompson Hall E110 appear to be appropriately scheduled.

Clinic Facilities (Non-Medical): Code 1501

Eleven course sections totaling 24.67 hours of instruction were held in Thompson Hall W131, listed in the PSI as a reading room. The campus may want to reconsider how this space is listed in the PSI.

Physical Education Class Activity: Code 1600

Seventeen courses totaling 33.17 hours were held in spaces coded 1600 in the PSI. These spaces support regularly scheduled Physical Education classes and include gymnasiums, exercise rooms, courts, swimming pools, etc. As such, these courses are appropriately scheduled.

Audio-Visual Production Facilities: Code 1700

Six course sections totaling 11.17 hours of instruction were scheduled in Mason Hall Annex 2057, a central room supporting two adjacent studios. This appears to be appropriately scheduled space. However, the PSI coding should be confirmed as the majority of the room is assigned to custodial services.

Research Facilities: Code 2001

Twelve courses totaling 24.5 hours of instruction occurred in spaces coded primarily as research facilities.

- Four sections of BIOL334, Biochemistry Laboratory, totaling 11.3 hours of instruction and having enrollments of 17 to 19 students, were held in Jewett Hall 211. Ninety-one net square feet of this space is coded as a class laboratory 1300, and 815 net square feet are coded as a research facility 2001. These courses appear to be appropriately scheduled in specialized instructional space.
- Three sections of PSY100, Psychology Freshman Seminar, totaling 3.3 hours of instruction and enrolling 16 students each, were scheduled in Thompson Hall W246. Fifty-three net square feet of this space are coded as a class laboratory 1300, and the remaining 473 net square feet are coded as a research facility 2001. These courses appear to be appropriately scheduled.
- Two sections of ENED450, Seminar for Teachers of English, totaling 2.0 hours of instruction, with an enrollment of nine students each, were scheduled in Fenton Hall 127. This space is listed as a reading room and coded entirely as a research facility 2100 in the PSI. The campus may want to reconsider how this space is listed in the PSI.
- Fenton Hall 2157, coded entirely as a research facility 2001, and listed as a reading room in the PSI, had three course sections scheduled in it during Fall 2009:
 - FREN380-01, French Drama in Practice, accounting for 2.7 hours of instruction,
 - PHIL477-01, Capstone Seminar, accounting for 2.5 hours of instruction, and
 - SPAN423-01, Senior Seminar in Spanish Literature, accounting for 2.7 hours of instruction.

The campus may want to reconsider how this space is listed in the PSI.

- One course, MUS107-01, held in Mason Hall Addition 2107, appears with a code of 2100 in the SUNY Fredonia Course Data Fall2009 WORKING.xlsx. The PSI lists no spaces with space type code 2100, so it was assumed to be 2001 and included here.

Faculty Offices: Code 3001

Four Theatre and Dance courses totaling 8.8 hours of instruction are scheduled in room B18 of the Rockefeller Arts Center, listed as a 345 net square foot faculty office. Enrollment for these courses ranges from one to 13 students, and the courses are taught by the office holder. Given the course sizes, it is likely that the room is only the room of record and the courses are held elsewhere.

Lounge/ Organization Facilities/Auxiliary Food Services: Code 6006

Five Music courses totaling 12.5 hours of instruction are scheduled in room 2140 of the Mason Hall Addition. This space is listed in the PSI as a rehearsal room with 320 net square feet coded classroom space 1001 and 594 net square feet coded faculty-staff lounge 6006. The courses listed appear to be lecture-based and appropriately scheduled if this space is indeed a classroom. The campus may want to reconsider how this space is listed in the PSI.

Assembly Seating: Code 6500

Eleven Music courses totaling 17 hours of instruction are assigned to Mason Hall 1012, listed in the PSI as a recital hall. These courses are assigned appropriately. However, the PSI indicates two space codes: assembly seating 6500, and class laboratory 1300, with 2,906 net square feet assigned to the former and 253 net square feet assigned to the latter. The campus may want to revisit the coding and adjust as appropriate.

Costume Shop/Other: Code 6502

Four courses and 33.8 hours of instruction are assigned to room 257 in the Rockefeller Arts Center, a costume shop. These courses are all Theatre and Dance Department costume design courses and appear to be appropriately assigned. The PSI indicates two space codes for this space: assembly service 6502, and class laboratory 1300, with 2,906 net square feet assigned to the former and 253 net square feet assigned to the latter. The campus may want to revisit the coding and adjust as appropriate.

Exhibition Service: Code 6602

Six courses totaling 22.5 hours of instruction are scheduled in room 111 in the Steele Hall Natatorium. This space is listed in the PSI as a "multipurpose room", but is coded as exhibition service. The campus may want to revisit the coding of this room. Two of the courses listed in this space are basic scuba courses, three involve first aid or the treatment of athletic injuries, and one is a fitness and nutrition course.

Concert

Three courses and eight hours of instruction are assigned to the King Concert Hall. All of the courses are music courses: MUS029-01, Symphony Orchestra; MUS330-01 Advanced Instrumental Conducting; and MUS028-01, Wind Ensemble. Given the nature of these courses, they appear to be scheduled in appropriate space.

Class Laboratories/Classroom: Code 1300/1001

Thirteen Music and Music Education course sections accounting for 20.83 hours of instruction were scheduled in Mason Hall 1024. Ninety-three ASF of this space is coded as a class laboratory 1300 in the PSI. The remaining 1,067 asf of this space is coded as a classroom 1001. All of the courses in this space appear to have been appropriately scheduled.

Dedicated Classrooms: Code 1001 (D)

These are rooms assigned specifically to individual departments and are unavailable for general scheduling. A total of four rooms, McEwen Hall 201, Rockefeller Art Center 203, Mason Hall Addition 3140, and Igoe Hall 103A, collectively containing 2,306 ASF and 148 stations, have been identified in the course scheduling data. In these spaces, 30 course sections accounting for 84.17 hours of instruction were scheduled during Fall 2009.

These courses and spaces should be reviewed to identify the reasoning behind the need for such specialized scheduling. A determination needs to be made as to whether or not these courses could/should be held in general-purpose classrooms, or, alternatively, the dedicated rooms should be included in the pool of general instructional space. For this utilization analysis, it is assumed that these courses were appropriately assigned to these departmental spaces.

Lecture Halls

- Fredonia has seven lecture halls in four buildings, supporting 1,216 stations in 17,743 ASF.
- There were 92 courses and 226.5 hours of instruction held in these rooms.
- The station occupancy rates of courses assigned to lecture halls were reviewed to determine if the courses were assigned appropriately.
- Enrollments and station occupancies of courses scheduled in lecture halls ranged from:
 - seven students in BIOL 600-01, a Biology seminar, in Jewett Hall 101 with 166 stations, yielding a station occupancy rate of 4.2%.
 - a high enrollment of 234 students in MUS 021-01, University Chorus, in McEwen Hall 209 with 319 stations, yielding a station occupancy rate of 73.4 percent.
 - a high occupancy rate 96% for SOC116-05, Introductory Sociology, having an enrollment of 100 students, in McEwen Hall G24, a space having 104 seats.
- Average seat occupancy for all lecture halls was 41%. Average lecture hall occupancy rates ranged from an average of 36% for McEwen Hall 209, with 319 stations, to 46% for Fenton Hall 105, with 119 stations.
- Lecture halls had an average of 81% of their available weekly daytime hours scheduled, with individual rooms ranging from 62% utilization in McEwen Hall 209 to 93% in McEwen Hall G26.

The analysis of the lecture halls at Fredonia indicates that additional capacity is available. Of the 92 courses scheduled in the lecture halls, 87 courses totaling 213.33 hours of instruction enrolled 74 or fewer students. Such courses are more appropriately scheduled in general-purpose classrooms, rather than in large lecture halls, although Fredonia has some smaller lecture spaces with 104 and 119 stations. Various "smaller" enrolled courses are assigned to large spaces which could be accommodated in more appropriately sized instructional spaces.

Although the projection analysis is based on hours of instruction by enrollment regardless of where the course is taught, it is necessary to determine if these courses scheduled in the lecture halls were done so because of the technology, the location, sheer availability, or other reasons, before scheduling them in general-purpose spaces.

Figure C11:
General-Purpose Classrooms: Existing Space and Calculated Optimal Need by Scheduling Window

Room Capacity	Fall 2009			Current Optimal Need			Projected 2023		
	Rooms	Stations	ASF	Rooms	Stations	ASF	Rooms	Stations	ASF
10 – 19	1	19	310	0	0	0	0	0	0
20 – 29	13	336	5,705	10	200	4,400	10	200	4,400
30 – 39	15	521	9,264	11	330	7,260	12	360	7,920
40 – 49	16	708	12,478	13	520	11,440	14	560	12,320
50 – 59	1	54	912	12	600	13,200	12	600	13,200
60 – 69	1	60	975	4	240	5,280	4	240	5,280
70 – 74	1	70	1,050	0	0	0	0	0	0
Total	48	1,768	30,694	50	1,890	41,580	52	1,960	43,120

Figure C12:
Lecture Halls: Existing Space and Calculated Optimal Need by Scheduling Window

Room Capacity	Fall 2009			Current Optimal Need			Projected 2023		
	Rooms	Stations	ASF	Rooms	Stations	ASF	Rooms	Stations	ASF
75	0	0	0	3	225	4,050	3	225	4,050
100	0	0	0	2	200	3,600	2	200	3,600
104	2	208	3,180	0	0	0	0	0	0
119	1	119	1,690	0	0	0	0	0	0
125	0	0	0	1	125	2,250	1	125	2,250
150	0	0	0	1	150	2,700	1	150	2,700
166	1	166	2,173	0	0	0	0	0	0
195	1	195	2,400	0	0	0	0	0	0
209	1	209	3,700	0	0	0	0	0	0
300	0	0	0	1	300	4,500	1	300	4,500
319	1	319	4,600	0	0	0	0	0	0
Total	7	1,216	17,743	8	1,000	17,100	8	1,000	17,100

Other Use of Instructional Spaces

General-purpose classrooms on academic campuses are used for more than just instruction. They are valuable community resources for all kinds of events and special functions, as well as for informal student study/work groups, student organization meetings, non-credit courses, and partnership programs. These special uses are generally allowed to be scheduled only after credit-bearing courses are accommodated. Part of the rationale for setting a 67% utilization rate goal is to provide for these other, important community-building uses of classrooms and lecture halls.

Classroom needs may also be impacted by:

- New or emerging teaching styles that often call for different or flexible room arrangements and different types of furniture; there is no “standard” classroom that will work for every discipline or instructor;
- Some courses that do not (and should not) fit into the standard scheduling blocks;
- Faculty requests for classrooms located in the same building as their offices, even if the space is not appropriate.

Recommendations: General-Purpose Classrooms and Lecture Halls

Overview

Instructional space utilization analysis is heavily based on actual scheduling patterns. Most campuses have a more or less standardized weekly scheduling window, with comprehensive colleges at a 40-hour week, community colleges at 30 hours, and research universities at 45 hours or more.

In order to facilitate comparison across the SUNY System and with other comprehensive colleges, Fredonia’s projected instructional space needs will be based on a standardized 40-hour week.

Application of the 40-hour scheduling window

The proposed optimal needs reflect the following assumptions:

- Certain courses should be re-assigned to more appropriately-sized general-purpose classrooms, including courses taught in atypical spaces (and that may be better-served as a general-purpose classroom), and courses scheduled in lecture halls that have a greater capacity than reasonably needed.
- The space planning guidelines of 67% utilization and 67% occupancy allow for ad hoc use of classrooms, flexibility during add-drop periods, and accommodate events for the campus as a whole.
- An average 22 ASF/station is applied to classrooms with 74 or fewer stations.
- An average 18 ASF/station is applied to lecture halls with 75 to 249 stations.
- An average 15 ASF/station is used for those with 250+ stations.
- The projected need for the year 2023 presumes a 4% FTE enrollment increase.

General-Purpose Classrooms

Figure C11 compares the distribution of existing classrooms in 2009 to that of calculated current and 2023 projected optimal needs.

Based on a 40-hour scheduling window, a comparison of current conditions and current optimal need reveals a current deficiency of two classrooms and a shortage of 10,886 ASF, explained by the following factors:

- Fredonia’s current total station count masks a distribution of classroom capacities misaligned with course section enrollments and a less than optimal allocation of classroom ASF/Station.
- 22 ASF/Station was chosen as the standard classroom multiplier, versus Fredonia’s average of 17.4 ASF, recognizing that individual classrooms may have less or more ASF/Station. Though a higher multiplier increases the need for space, it provides the institution with the flexibility to ensure a correct mix of classroom capacities and to support a variety of teaching modalities.
- Fewer rooms are needed in the 10 – 19 to 40 - 49 station and 70 - 74 station capacities, and 11 more needed in the 50 – 59 station range and three more in the 60 – 69 station range. Redistribution of room capacities is driven by the current array of course section enrollments.

Lecture Halls

Figure C12 lists the existing lecture halls along with the calculated need to support credit-bearing courses.

Lecture halls are expensive but significant institutional resources that are used for multiple purposes in addition to lectures such as all-campus meetings, guest speakers, and presentations. It is important to determine the number and size of lecture halls needed to support credit-bearing courses and compare that to existing spaces. This determines whether or not the existing lecture halls can continue to support the credit-bearing courses, or if there is a shortage, overage, or a missing lecture hall type. Proposed recommendations can then be provided.

Whereas the previous table displays the calculated lecture hall need, the reality is that differing capacities currently exist. Figure C13 suggests one possible scenario that acknowledges this reality, retaining existing lecture halls "as is." These options will be explored during the implementation phase. The figure shown compares the existing space, the current optimal need using a 40-hour window, and the proposed assignment/use of spaces, taking into account what exists and what is lacking in the inventory to support credit-bearing courses.

Because large lecture halls are a capital intensive resource, Fredonia may prefer to retain some of these rooms in lieu of replacing them with new. On the other hand, depending on their age, the existing lecture halls may not lend themselves readily to renovation for current types of use. These are decisions to be made as the detailed space recommendations are implemented. The proposal presented in the following table retains the present complement of lecture halls and suggests three new ones of 75 stations each. In sum, the ideal would be:

- Three lecture halls at 75 stations each: 4,050 ASF total.
- Two lecture halls at 200 stations each: 3,600 ASF total.
- One lecture hall at 125 stations: 2,250 ASF.
- One lecture hall at 150 stations: 2,700 ASF.
- One lecture hall at 300 stations: 4,500 ASF.

This totals 17,100 ASF vs. the 21,793 ASF that would exist in a hypothetical array of ideal and existing lecture halls.

Guiding Principles

Planning for the optimal need for general-purpose classroom space should take into account the following guiding principles:

- Average station size, weekly room hour utilization rate, and station occupancy rate are all interdependent variables that influence the overall demand for instructional space.
- Student and faculty perception of classroom quantity and quality is influenced by many factors. Particular classrooms may be more desirable because of location or available technology. Certain popular timeframes result in more courses being scheduled at those times. This may make scheduling tight, even though there is plenty of capacity in other rooms at other times.
- Spaces should be of sufficient quality to ensure adequate and equitable use.
- Spaces should be appropriately sized, in terms of ASF/Station, based on the type of furniture present and on how the space is used.
- Spaces should have adequate and consistent standardized technology, so that no room is more or less technologically desirable than any other.
- There is a reasonable effort to use standardized scheduling blocks within the existing scheduling window.
- A reasonable distribution of courses should exist during each day and each week, rather than clustering courses on particular days or within certain time blocks, to allow students to create their course loads relatively easily.
- A reasonable effort should be made to match course size with room capacity.
- Spaces should be environmentally comfortable, with appropriate lighting, heating, cooling, accessibility, and acoustics.
- To optimize their use, spaces should be distributed throughout campus and equally available to all users.

Figure C14 summarizes the existing and current optimal space need, as well as the proposed need in 2023, based on a 40-hour window.

Figure C13:
Existing Lecture Halls Compared to Calculated Current Need and Proposed Current Lecture Halls

Room	Stations	Existing Lecture Halls			Calculated Current Need			Proposed Current Lecture Halls			Comments
		Rooms	Stations	ASF	Rooms	Stations	ASF	Rooms	Stations	ASF	
New	75				3	225	4,050	3	225	4,050	
New	100				2	200	3,600				Use McEwen G24 and G26
McEwen G24/G26	104	2	208	3,180				2	208	3,180	Retain
Fenton 105	119	1	119	1,690				1	119	1,690	Retain
New	125				1	125	2,250				Use Fenton 105
New	150				1	150	2,700				Use Jewett 101
Jewett 101	166	1	166	2,173							Retain
Thompson W101	195	1	195	2,400				1	195	2,400	Repurpose?
McEwen 202	209	1	209	3,700				1	209	3,700	Repurpose?
New	300				1	300	4,500				Use McEwen 209
McEwen 209	319	1	319	4,600				1	319	4,600	Retain or repurpose as recital space
Total		7	1,216	17,743	8	1,000	17,100	10	1,441	21,793	

Figure C14:
Actual and Recommended Target Measures for General-Purpose Classrooms and Lecture Halls

Target Measure	Fall 2009		Current Optimal Need		Proposed 2023 Need	
	Class-rooms	Lecture Halls	Class-rooms	Lecture Halls	Class-rooms	Lecture Halls
Classrooms (1-74 seats)						
Lecture Halls (75+ seats)						
Assignable Square Feet (ASF) per Seat	17.4	14.6	22.0	15.0- 18.0	22.0	15.0-18.0
Weekly Room Hour Utilization Rate	69%	81%	67%	67%	67%	67%
Seat Occupancy Rate	62%	41%	67%	80%	67%	80%
Number of Stations	1,786	1,216	1,890	1,000	1,960	1,000
Number of Rooms	48	7	50	8	52	8
Assignable Square Footage (ASF)	30,694	17,743	41,580	17,100	43,120	17,100
Grand Total	48,437		58,680		60,220	

Non-Capital Recommendations

The following are five recommendations for addressing instructional space needs at Fredonia that do not require capital investment.

“Right-Sizing” Existing Classroom Capacities

“Right-sizing” is the process of changing the seating capacity of existing rooms by adding or decanting stations to attain a desired number of ASF/station. A target of 22 ASF/station was set to provide flexibility in determining the final mix of room capacities. Given an existing 17.4 ASF/station at Fredonia, right-sizing would require the overall physical removal of some 372 stations to achieve the target of 22 ASF/station.

The problem with this approach, however, is that if it is taken literally, it would mean reducing the size of some rooms solely for the purpose of meeting the target. This approach therefore must only be applied with careful consideration on a room-by-room basis.

The rooms with the most stations theoretically decanted are Mason Hall 2019, which would have 22 stations removed, and Thompson Hall E347, which would have 16 stations removed, in order to be right-sized. In some instances, there is the need to add stations to reach the average 22 ASF/station. This is reflected in Thompson Hall E305, which would have nine stations added, and Fenton Hall 166, which would have two stations added, to achieve 22 ASF/Station.

**Figure C15:
Existing Classrooms and Lecture Halls Compared to Right-Sized
and Proposed Current Need**

Classroom Capacity	Existing Rooms	Right-Sized Rooms (22 ASF)	Current Optimal Rooms Needed (40 hrs)
1-9	0	0	0
10-19	1	5	0
20-29	13	19	10
30-39	15	19	11
40-49	16	4	13
50-59	1	1	12
60-69	1	0	4
70-74	1	0	0
Subtotal	48	48	50

Figure C15 compares the number of existing classrooms in each capacity category before and after right-sizing, against the total number of rooms proposed. The intent of this exercise is not to suggest that all rooms be right-sized on this basis, but to indicate some near-term, non-capital approaches to meeting the need for appropriate instructional space capacities.

This hypothetical exercise creates too many rooms in the lower- and mid-capacity ranges and not enough in the high-capacity ranges from 40 to 74 stations. It does, however, permit the optimization of rooms by selectively right-sizing spaces, especially those currently overcrowded.

For example, right-sizing would shift the distribution of classroom capacities downwards, increasing the number of rooms in the 10 to 19-, 20 to 29-, and 30 to 39-station capacity ranges. In addition, there is a loss of 12 rooms with a current capacity of 40- to 49 stations, indicating that there is a current need for rooms of this size and that they may have been artificially created over time through the introduction of additional seats into various rooms.

The planning guidelines presented here do not factor in institution-specific issues such as faculty contracts (if applicable), geographic distribution, or classroom assignment based on individual faculty preference. These considerations, along with the use of classrooms for other functions, would need to be taken into account if or when right-sizing is undertaken. The opportunity to right-size should also be explored during the implementation phase of the Facilities Master Plan.

Review Low-Use Classrooms

Applying a 40-hour window, four classrooms were scheduled less than one-third of the daytime hours available. The number of classrooms scheduled less than half of the weekly available hours, was nine classrooms. In terms of lecture halls, only McEwen Hall 209 and McEwen Hall 202 fall short of the two-thirds room utilization guideline, at 66% and 62%, respectively, of a 40-hour daytime scheduling window.

These spaces should be examined to determine the reason for their low use. If these spaces are underutilized because of quality issues, inexpensive upgrades and/or minor aesthetic adjustments may make them more desirable and more likely to be scheduled.

Schedule Within Standard Time Blocks

Scheduling courses within standard time blocks is imperative to ensure optimal classroom use. While it is understood that exceptions may be necessary because of an expanded course meeting time or the legitimate needs of a specific faculty member, a large number of exceptions results in fractured time blocks that have a ripple effect across the week and make scheduling quite challenging. Even though Fredonia has 109 time blocks, it schedules 68% of all course offerings within 16 standard daytime blocks.

Utilization Updates

Classroom utilization rates should be updated every two to three years to test the stability of the last projections and to identify any changes over that time. Are sections being added? Are course enrollments increasing? Has a new program been implemented which may require additional, or even a different type of instructional space? Has overall student enrollment increased unexpectedly? The answers to these kinds of questions could require an adjustment in classroom need for the campus.

Other Recommendations / Policy Issues for Consideration

There are additional ideas, solutions or policies that could help fulfill the projected space need without requiring a capital investment in new facilities. These may or may not already be in place at Fredonia.

- Improve the general physical quality of instructional space.**
 Design and implement a campus-wide standard for fixtures, furnishings, and equipment, and follow a regular renewal cycle for all instructional spaces.
- Review classroom maintenance.**
 Are the rooms clean? Would increased maintenance provide a better teaching environment and make the rooms more appealing?
- Develop and enforce consistent scheduling policies, practices and procedures.**
 One policy change to improve utilization would be to require that a percentage of each department's courses must be scheduled in the "shoulder" periods of early morning, or late afternoon. Required courses are always good candidates for these periods.

- **Conduct a regular user review of instructional space.** Reviews of space could occur through faculty and student surveys, which can explain why some classrooms are disliked, what is a desirable suite of technology (if not standardized), and what classroom furniture is preferred.

Capital Recommendations

The detailed utilization analysis of Fredonia’s general-purpose classrooms results in the recommendation for 50 classrooms and eight lecture halls to meet its optimal current need, based on a 40-hour daytime scheduling window. Addressing these needs appropriately is not simply a matter of deducting “excess” rooms or right-sizing current capacities. Some of this need can be met through renovations where issues such as accessibility, technology needs, and code-conforming configuration can be feasibly addressed. Rooms that are improperly sized, lack technology, or are poorly located can be converted to other uses needed by the campus. Where renovation is not feasible, these space needs may require new construction.

Fredonia’s FTE enrollment is projected to grow 4% by 2023. At that time, presuming course sizes remain stable, Fredonia will need 60 general-purpose instructional spaces (52 classrooms and eight lecture halls). This represents four more classrooms and one more lecture hall than currently exist.

Because the existing pool of 48 classroom spaces is insufficient to support 2009 enrollment at a reasonable utilization rate, Fredonia needs to begin to explore ways of accommodating scheduling demands. A general-purpose classroom and lecture hall phasing and implementation plan should be developed as the next step to identify candidates for right-sizing, increased maintenance, and other upgrades. This plan should consider the enrollment, course schedule, and potential need for expanded facilities to support new programs, adjusting as the institution grows. This will provide Fredonia with the appropriate array of classrooms, both now and in the future.

Utilization Findings: Specialized Instructional Spaces

The utilization analysis of the 46 specialized instructional Specialized Instructional spaces at Fredonia includes the distribution of existing Specialized Instructional spaces, weekly hours of use, and seat occupancy rates. The gap between existing ASF and current ASF needs is identified, based on the application of discipline-specific station size allowances. Day utilization was identified as the driver of space needs.

Findings

Current Distribution by Building

Figure C16 shows the distribution of Specialized Instructional spaces across the campus, including such spaces as science laboratories, art studios, and computer labs.

- Rockefeller Arts Center contains the most Specialized Instructional spaces as well as the most overall Specialized Instructional space, at 14 spaces, 347 stations, and 15,737 ASF. Houghton Hall has the second largest share of Specialized Instructional space, at 12 spaces, 286 stations, and 14,145 ASF.
- The Mason Hall complex has three Specialized Instructional spaces, while Igoe Hall contains just one.

Station Size

Fredonia has a total of 46 Specialized Instructional spaces in 48,610 ASF with 1,223 seats or stations. Average station size is 39.7 ASF/station, although this varies dramatically based on discipline. Station sizes range from 13.2 ASF/station in Thompson Hall E128 to 240 ASF/station in Mason Hall Annex 1055. The goal is not to attain a single target ASF for all Specialized Instructional spaces, but rather to determine a target ASF that is appropriate to each special use or discipline. This is illustrated in the Figure C17.

Figure C18 on the next page graphs the number of Specialized Instructional spaces by capacity range. Specialized Instructional spaces typically have lower seating capacities than comparable general-purpose classrooms due to their specialized equipment and closer relationships between instructors and students. Fredonia, however, does have some larger capacity Specialized Instructional spaces.

- Capacities range from one station in Mason Hall Annex 1055 to 160 in Dods Hall 148.
- The most common room or modal capacity is 24 stations.

Figure C16: Current Distribution of SI Spaces by Building

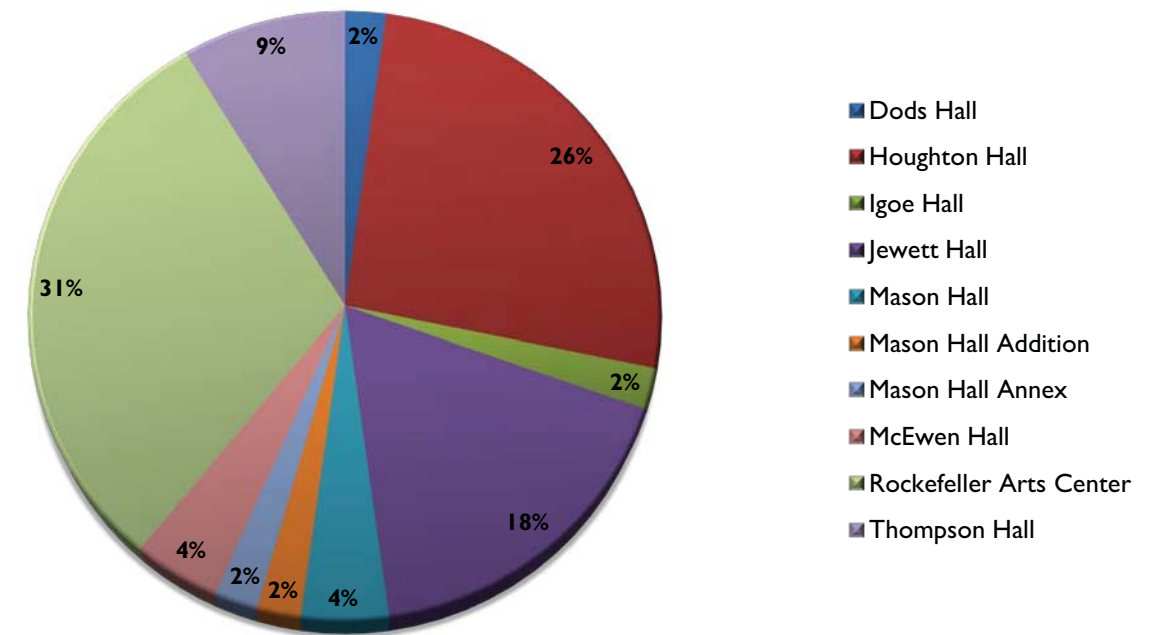


Figure C17: Specialized Instructional Space Data by Building

Building	Rooms	Stations	ASF	ASF/Station
Dods Hall	1	160	4,000	25.0
Houghton Hall	12	286	14,145	49.5
Igoe Hall	1	3	483	161.0
Jewett Hall	8	166	7,937	47.8
Mason Hall	2	25	1,184	47.4
Mason Hall Addition	1	10	238	23.8
Mason Hall Annex	1	1	240	240.0
McEwen Hall	2	95	2,042	21.5
Rockefeller Arts Center	14	347	15,737	45.4
Thompson Hall	4	130	2,604	20.0
Total	46	1,223	48,610	39.7

Figure C18:
Specialized Instructional Spaces by Seating Capacity (n=46)

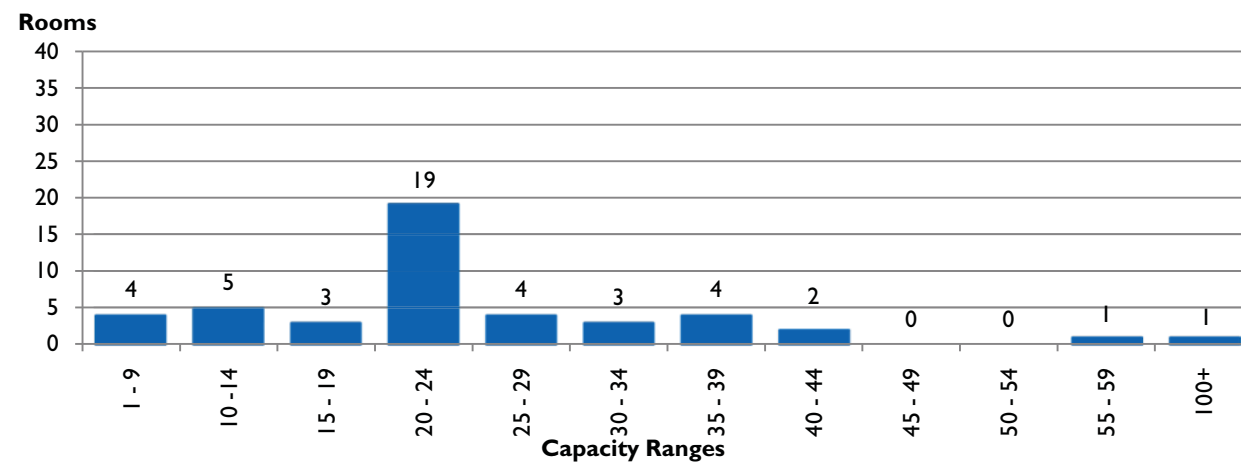


Figure C19: Unique Courses by Course Enrollment in SI Spaces (n=143)

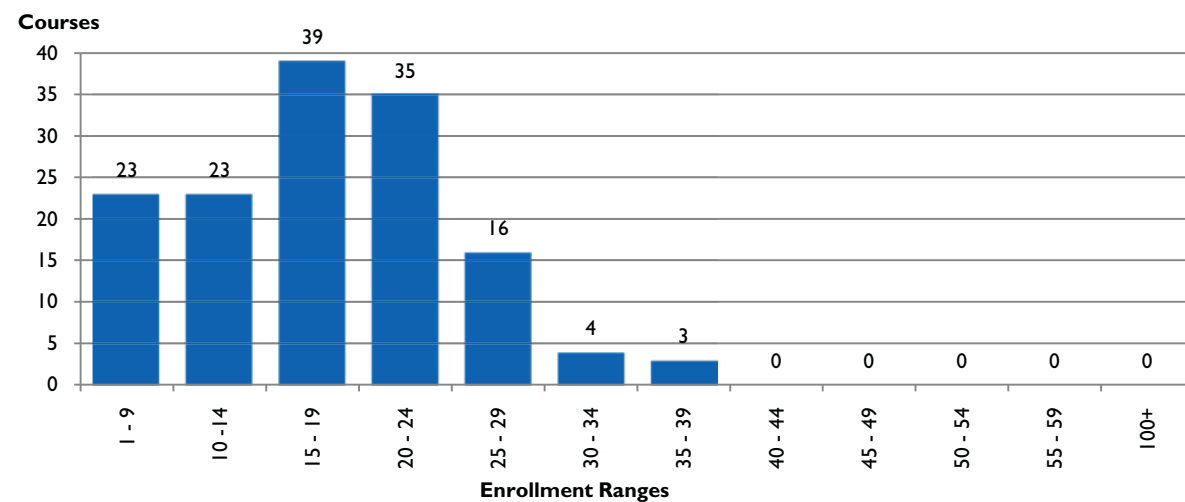


Figure C19 graphs the number of unique courses held in Specialized Instructional spaces by enrollment ranges corresponding to room capacity ranges in Figure C18.

There are 143 unique courses scheduled in 34 Specialized Instructional spaces at Fredonia; 12 spaces were unscheduled in Fall 2009. Unique courses are identified by their assigned individual course numbers, and each includes only a single section of a single course.

- Across the 143 unique courses scheduled in Specialized Instructional spaces, the lowest course enrollment was two students reported for GEO459-01, Seminar in Geosciences, held in Houghton Hall 107, a room with 36 stations, and ARTS400-01, Senior Seminar, held in Rockefeller Arts Center 321, a room with 24 stations.
- The highest enrollment for courses scheduled in Specialized Instructional spaces was 39 students for EDU349-02, Educational Psychology-CH/EC, held in Thompson Hall E128, a room with 41 stations.
- Mean enrollment for courses scheduled in Specialized Instructional space is 18 students, while the mode is 22 students.

Weekly Room Hour Utilization Rates

Space planning guidelines recommend that Specialized Instructional spaces should be scheduled 50% of the available time within the scheduling window. This is lower than the 67% rate for general-purpose classrooms, as there is a need for set-up and breakdown time for courses taught in Specialized Instructional spaces and for open/independent use by students during non-class time.

In Fall 2009, a total of 465.25 weekly hours of instruction were offered in 143 day courses scheduled in Specialized Instructional spaces. During the same period, 1,840 weekly daytime room-hours were available for scheduling in Fredonia's Specialized Instructional spaces, based on a daytime scheduling window of 40 hours multiplied by 46 spaces. These data reveal that, on average, Fredonia's Specialized Instructional spaces were scheduled for instruction for 25% of available weekly daytime hours, or less than half the target rate of 50%. On a room-by-room basis, weekly room hour utilization for scheduled Specialized Instructional spaces ranged from 6% in Jewett Hall 233 to 86% in Thompson Hall E114.

The low average utilization rate is attributable in large part to 12 Specialized Instructional spaces not being listed as scheduled in Registrar's data during this period. This equates to one in four of all Specialized Instructional spaces apparently sitting idle. Scheduling occurring independently of the Registrar can result in unreported

utilization data. Some or all of these rooms could also be miscoded as Specialized Instructional spaces, which would inflate the number of weekly schedulable hours available in Specialized Instructional spaces and skew room hour utilization rates downward. It may also be the case that these rooms are used in alternate semesters or years. Subsequent to the presentation of findings, it was determined that two of these 12 rooms were actually scheduled in Spring 2010. Given the relatively high capital investment involved in creating and maintaining Specialized Instructional space, further inquiry into why these spaces appear to be unscheduled is warranted. The following table lists these spaces.

Figure C20:
Specialized Instructional Spaces Unscheduled During Fall 2009

Building	Room	Stations	ASF
Houghton Hall	0003	12	760
	0006	10	760
Igoe Hall	0103C	3	483
Jewett Hall	0119	8	295
	0214	14	357
Mason Hall	2017	15	672
Mason Hall Annex	1055	1	240
Rockefeller Arts Center	0309	26	438
	0328	15	341
	0329	15	400
	0239A	24	770
Thompson Hall	E149	7	360
Total	12	150	5,876

Course Distribution by Day and Time

While Figure C21a on next page displays the percent of daytime courses scheduled on a given day or combination of days, Figure C21b reflects the distribution of course meetings per day as a percent of the total number of meetings per week. These figures are based on all daytime courses scheduled in Specialized Instructional spaces. Theoretically, if all courses were distributed evenly across five days, 20% of all course meetings would occur each day. This would provide maximum flexibility, as the remaining 80% of available time in each space would not be scheduled each day and would theoretically be available for unscheduled uses. It is important to note that in the real world, however, scheduling flexibility decreases as course offerings increase on any given day.

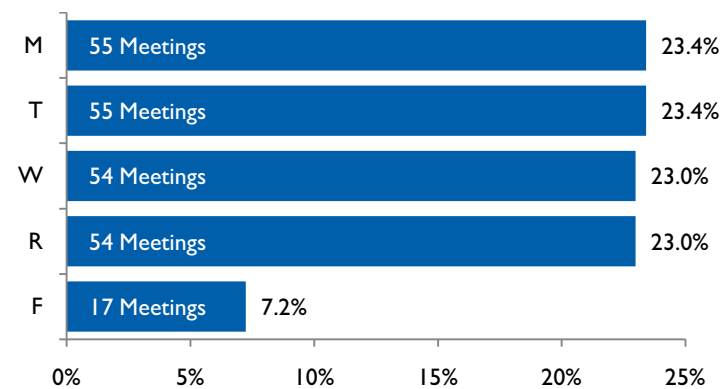
Fall 2009 course data reveals that, with the exception of Fridays, course meetings are evenly distributed among the first four days of the week, with approximately 23% of all course meetings taking place in Specialized Instructional spaces occurring each day from Monday through Friday. In terms of scheduling patterns, the Tuesday – Thursday and Monday – Wednesday schedules are the most heavily used for Specialized Instructional spaces with 26% and 18% of courses held in Specialized Instructional spaces, respectively. Friday displays relatively low use.

Figure C21a:
Day Courses by Day of the Week

Meeting Day	Percent of Courses
Monday (M)	13%
Tuesday (T)	11%
Wednesday (W)	11%
Thursday (R)	10%
Friday (F)	4%
MWF	6%
MW	18%
TR	26%
WF	1%
Total	100%

May not total 100% because of rounding

Figure C21b:
Course Meetings by Day of the Week (n=235)



Station Occupancy Rates

Station occupancy planning guidelines recommend that, when scheduled, 80% of an Specialized Instructional space’s stations be filled. This is higher than the 67% target rate for general-purpose classrooms because of higher capital investment in Specialized Instructional spaces, and their associated pedagogy, which typically results in smaller class sizes. At Fredonia 41% of an Specialized Instructional space’s stations are filled, on average, when scheduled. While below the target rate, some rooms are frequently overfilled, either collectively or by individual courses. Five Specialized Instructional spaces have an average station occupancy rate over 90%, and two actually equal or exceed a 100% station occupancy rate. These spaces are listed in the following table:

Figure C22:
SI Rooms with High Average Station Occupancy Rates

Building	Room	Courses	Average Seat Occupancy
Rockefeller Arts Center	P33	3	117%
Mason Hall	1023	4	100%
Houghton Hall	214	6	93%
	211	1	92%
Jewett Hall	221	3	92%

A high station occupancy rate provides less flexibility in the use of the Specialized Instructional space and is likely to interfere with instruction. It also begins to suggest where additional Specialized Instructional space is warranted. Conversely, a low rate potentially suggests inefficient use of the space. Average station occupancy rates for scheduled Specialized Instructional spaces range from 12% in Dods Hall 148 to a high of 117% in Rockefeller Arts Center P33. While some rooms may have an average station occupancy rate at or near the guideline, individual courses meeting in those rooms may equal or exceed 100% station occupancy. BIOL132-03, Principles of Biology I Lab, for example, had an enrollment during Fall 2009 that occupied 104% of the seats in Jewett Hall 129, a room with an average station occupancy rate of 88%.

The Appendix summarizes Specialized Instructional space utilization patterns on a room-by-room basis (for day use only) including the percentage of weekly room hours scheduled and the percentage of seats occupied.

Additional Considerations

Once analysis of the formal use of Fredonia’s 46 Specialized Instructional spaces was completed, The Master Planning Team looked at other considerations that may modify the potential demand placed on Specialized Instructional spaces in the future.

Lectures in Specialized Instructional Spaces

Although this did not seem to be the case for Fredonia, lectures are sometimes assigned to laboratory space, either because of lack of general-purpose classroom space, or because of pedagogical reasons. There is an increasing trend in science courses for students to move directly from a didactic lecture to a hands-on experience. If this became a goal for Fredonia, it would require a re-analysis of space needs.

Instruction in Other Specialized Spaces

A total of 449 hours of specialized courses that were assigned to 52 other spaces, were reviewed. This included computer labs, individual practice labs, and auto-tutorial labs (wet and dry), rooms where self-directed study typically occurs. It is assumed the courses are appropriately assigned to these spaces and therefore they have not been returned to the demand side of the equation to determine the need for formally scheduled Specialized Instructional spaces.

Current Specialized Instructional Space Need

There are three key variables in the space utilization equation: assignable square foot per station, weekly hours of use, and seat occupancy rates. A change in any one of these variables has an effect on one or both of the remaining two variables. The current need for Specialized Instructional space was calculated based on the number of hours scheduled by program or discipline, totaled by department.

The following assumptions were used in the process to calculate stations and square footage:

- The average enrollment in each room was calculated to determine the room capacity and square footage required. The number of room hours of instruction provided the base to calculate the number of individual rooms required.

Figure C23:
Actual and Proposed Target Measures for SI Spaces

Target Measure	Fall 2009	Current Optimal Need	Proposed 2023 Need
Weekly Room Hour Utilization Rate	23%	50%	50%
Station Occupancy Rate	41%	80%	80%
Number of Stations	1,223	1,075	1,075
Number of SI Spaces	46	53	53
Assignable Square Footage (ASF)	48,610	87,192	87,192

- The proposed number of rooms and stations was then multiplied by an ASF/station guideline, augmented by 30% to serve as support space. Although this was done on a space-by-space basis, it should be viewed as an aggregated space recommendation for specialized instructional spaces as a whole. Depending on the instructional activities occurring in a given space, four station multipliers were applied: 40, 60, 80, or 100 ASF/station. These are broad planning guidelines and are not necessarily programming standards.
- While scheduling hours were one determinant of need, pedagogical requirements also supported recommendations for additional specialized spaces. The intent was to identify the potential maximum number of rooms needed, to be compared to the detailed programming for the new science center.

Future need for Specialized Instructional spaces is dependent not only on anticipated institutional enrollments, but also on planned program offerings. Figure C23 on next page summarizes actual and recommended target measures for the campus, based on current enrollment, programs, and course offerings. These are order-of-magnitude projections - that also include an allowance for support space - and are provided as a basis for future detailed programming. It is recognized that not all spaces will be able to achieve the target utilization rates noted here, either collectively or individually. The conclusion to be made from this data is that, assuming rooms are scheduled at the target weekly room hour utilization rate with course sections achieving target station occupancy, current need for Specialized Instructional space is greater than existing. Fredonia also indicated that if near-term needs for specialized instructional spaces are met, then long-term needs will be accommodated as enrollment grows modestly through 2023.

Recommendations: Specialized Instructional Spaces

These findings provide a broad assessment across all Specialized Instructional spaces. Fredonia should do a more detailed review of Specialized Instructional spaces on a room-by-room basis, using the detailed utilization results in the Appendix and taking into consideration any planning initiatives currently underway. This kind of detailed room-by-room review may identify current pressure points which could be immediately addressed using existing resources. Conversely, additional space is allowed for in the projections in order to address observed and reported needs. This includes six additional specialized instructional space for: Journalism, Dance (in progress), Communication Disorders, Visual Arts and New Media, and Education (two spaces).

The ASF recommendations make assumptions as to appropriate station sizes, based on the type of space and the courses held in them. In most instances, the ASF recommended is larger than currently exists to reflect changing pedagogy, new technologies, and the potential for flexible lab furniture configurations. The number of stations is lower, however, to reflect a proposed closer pedagogical relationship between enrollments and room capacity. The proposed Specialized Instructional spaces are needed now and going forward through 2023.

Summary

The intent of this instructional space utilization analysis is to provide Fredonia with sufficient data and analysis to be able to engage in appropriate discussion and decision-making about future instructional spaces.

This analysis was a snapshot in time indicating that Fredonia has neither the quantity nor capacity distribution of instructional spaces available to meet current or future needs. It should be noted that satisfying an institution's instructional space needs is not simply a matter of having a sufficient quantity of instructional spaces, but also ensuring that they be of acceptable quality if they are to be well utilized. Given this:

- The construction of new space and renovation of the old to create new, state-of-the-art spaces presents a significant opportunity to retire instructional spaces that are outdated or poorly located.
- As enrollment grows or programs are added, there will also be an ongoing need to review and adjust instructional spaces to support instruction.
- Policy can have a significant impact on instructional space utilization patterns. Standardized scheduling blocks must be maintained if room use is to be maximized. Courses should also be distributed as evenly as possible across the day and over the week.
- A phasing and implementation plan should also be developed, identifying the spaces that are candidates for right-sizing, maintenance, or upgrades.

Ultimately, this will provide Fredonia with the appropriate instructional spaces, both now and in the future.

Space Planning Projections

Overview

This chapter presents the main drivers of space need—student enrollment and staff/faculty personnel—and projects Fredonia’s space needs according to the codes and space guidelines set by the National Center for Education Statistics (NCES) and the Council of Educational Facility Planners International (CEFPI), both nationally recognized frameworks to define and measure space in higher education. Projecting space based on these codes and guidelines allows a ready comparison of Fredonia’s space with other campuses across the country.

The Projected Space Needs are presented by NCES and PSI space categories:

- General Purpose Classrooms/Lecture Halls
- Instructional Laboratories
- Research Laboratories
- Administrative Offices
- Academic Offices
- Library/Study Space
- Special Use Spaces
- General Use Spaces
- Campus Support
- Health Care

Methodology and Data Correlation

The Master Planning Team’s space projections are based on a number of drivers and formulas to produce large-scale total or aggregate recommendations by organizational assignment and space function. The NCES codes and the CEFPI planning guidelines form the framework for the projections, but the results are also substantially informed by The Master Planning Team’s extensive experience with best practices and guidelines from public and private post-secondary institutions across the country.

These best practices have been evaluated and adapted based on critical common institutional characteristics, and provide multipliers that can be applied to all institutions with similar characteristics. Linking the characteristics of a specific institution to the most appropriate multipliers results in informed, contemporary, and appropriate space projections.

The institutional characteristics used in determining the most appropriate multipliers are:

- type of institution: research, comprehensive, liberal arts, community college;
- governance: public, private;
- total campus student enrollment and FTE;
- total departmental faculty and staff and FTE;
- total gross square footage of campus;
- location: urban, suburban, rural;
- institutional mission; and
- proportion of students living on campus.

Whether strictly reflective of CEFPI guidelines or modified to respond to specific conditions, the multipliers applied here result in “pools” of space need that will be allocated to address specific departmental or unit needs in the next step in the process. These pools provide flexibility to expand/contract space clusters according to specific conditions and future needs.

The distribution of existing space as well as the projection of Fredonia’s space needs is organized according to CEFPI categories to provide a basis for the calculation of campus space and to provide an aggregate level of comparison to like institutions. In order to meet the requirement of the SUNY process for their comparative purposes, the CEFPI categories have been linked to SUNY’s space categories to the extent possible. SUNY’s space categories are tied to a Chart of Accounts (COA). While the COA is helpful in understanding cost centers, it does not reflect the organizational structure of the institution. In addition, the campus physical space inventory (PSI) and the COA are often viewed in terms of function code at the SUNY level vs. that of actual campus use and intent. This PSI is, thus, not uniformly useful for projecting space needs since space is typically planned in departmental “chunks,” and one COA category can cut across multiple departments.

In order to form a working central base, the PSI was cross-referenced to three other institutional data sets - personnel, instructional space, and organizational charts - in order to reconcile discrepancies in the final space need projection. This reconciliation forced a partial re-categorization of PSI data to appropriate departments or units, data which then served as the foundation for the comparative or “gap” space analysis.

The re-categorization of space was a particular challenge as the PSI organizational levels are broad-based, generic, and not aligned with the College’s organizational structure. For example, the PSI category of Computer Services is now referred to as ITS and includes more specific space types than originally assigned to such a department. In addition, as seen at other campuses, there are existing departments

and personnel identified in Fredonia’s organizational chart that could not be located in the PSI, as well as departments in the PSI which could not be translated back to the organizational chart. Examples include the College of Arts and Sciences (new), College of Arts and Humanities (old), Public Relations, and the Youngerman Center. In many instances there is neither category nor existing ASF in the PSI, but the personnel in the departments and offices not listed need to be included so that space for them can be allocated. It is presumed the space is coded/contained under another area, usually one higher up in the organizational chart. Thus, organizational units not represented in the PSI, are “rolled up” into an entity that is. (E.g., personnel in Fredonia’s Professional Development Office are moved into the “Chief Academic Office” category, the Vice President’s line. Because of these “combining’s,” the “gap” analysis – comparing existing space, current need, and projected future needs – is more accurate and reliable in the aggregate than in the detail, and should be used as such.

The PSI categories were also aligned with the NCES space categories. With few exceptions, the resulting space clusters are comparable, providing the opportunity to benchmark recommendations against similar campuses outside of the SUNY system.

Strategic Drivers and Assumptions

Developing a space program involves analyzing a number of critical drivers in the institutional profile and making assumptions about how those drivers will impact the current and projected use of space. This section identifies two key drivers that informed the projections, student enrollment and faculty/staff numbers, along with associated assumptions.

Enrollment

The analysis in Figure D1 on next page shows an estimated 4% increase in enrollment, or 228.2 FTE, between 2009 and 2023. Enrollment figures were provided by Fredonia for the campus as a whole. The overall data points requested by SUNY for 2013 and 2018 are also indicated below. These FTE figures are major drivers in the space planning calculations.

Personnel Estimates

The personnel estimates in Figure D2a were adjusted by Fredonia to reflect the inclusion of the temporary frozen and vacant positions by department for existing. The projected personnel numbers were provided by the departments and vetted by the campus leadership. The data for the 2009 and 2023 are presented graphically in Figure D2b.

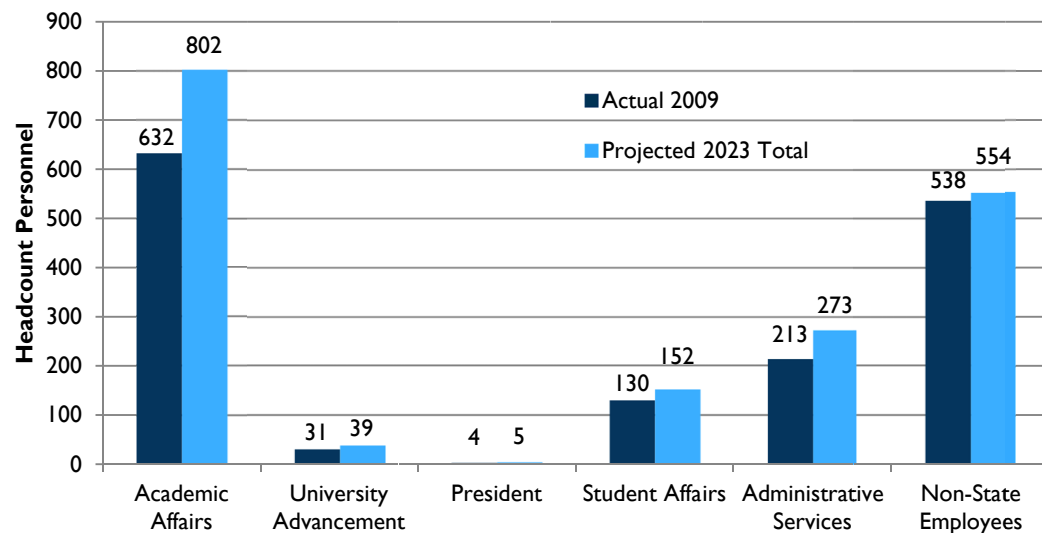
**Figure D1:
Projected Enrollment 2009 to 2023**

	Fall 2009 Actual:Campus		Fall 2013 Projected		Fall 2018 Projected		Fall 2023 Projected		Percent Change 2009-2023	
	Headcount	FTE	Headcount	FTE	Headcount	FTE	Headcount	FTE	Headcount	FTE
Undergraduate	5,374	5,376.0	5,193	5,442.0	5,110	5,502.6	5,672	5,543.9	5.5%	3.1%
Graduate	401	261.0	348	276.3	354	302.0	359	321.3	-10.5%	23.1%
Total	5,775	5,637.0	5,541	5,718.3	5,465	5,845.9	6,032	5,865.2	4.5%	4.0%

**Figure D2a:
Personnel Headcount by Division 2009 to 2023**

Division/Office	Actual 2009	Projected			Percent Change 2009-2023
		2013	2018	2023	
Academic Affairs	632	695	750	802	26.90%
Administrative Services	213	240	258	273	28.17%
President	4	4	5	5	25.00%
Student Affairs	130	150	151	152	16.92%
University Advancement	31	34	38	39	25.81%
Subtotal, SUNY Fredonia	1,010	1,123	1,202	1,271	25.84%
All Non-State Employees	538	551	554	554	2.97%
Grand Total	1,548	1,674	1,756	1,825	17.89%

**Figure D2b:
Personnel Headcount by Division/Office, 2009 Actual and 2023 Projected Values**



- Projected personnel headcounts show an overall campus increase of 17.89%, with Academic Affairs having the largest headcount change of 170 persons. This is reflective of the College's plan to increase the number of full-time faculty and reduce the number of adjuncts, lower student/faculty ratios, and increase program diversity.
- The increase in personnel assigned to Administration/Finance includes changes to the staff in Facilities, particularly to support the new facilities coming on line.

- More group study and general study space, both in the library and across campus. There is a need for "defined learning spaces." The Academic Commons in Reed Library was given as an example.
- More lounge space, informal spaces for relaxing, socializing, or studying. While there are student lounges in some buildings, several others, particularly in the residence halls, have been taken over for other purposes. The major lounge area has been on the spine level of the Williams Center. It is also a high traffic area and tends to be both cavernous and gloomy.

The Figure D2b compares 2029 actual and 2023 projected headcount staffing levels for each of the College's divisions/offices.

(see Figure D2)

Information from Campus Interviews: College-Wide Concerns

Over the course of several visits to the campus, consultants from Rickes Associates and Chan Krieger NBBJ participated in more than 30 interviews and focus groups involving more than 150 students, faculty, and staff. Some of the interviewees participated in more than one session.

The purpose of these meetings was to acquire quantitative and qualitative information about the particular space needs of the departments and offices, the space needs of the college generally, and impressions about the overall aspect of the campus. Although current and projected enrollment and personnel needs were provided by the administration, discussions about future directions and specific programmatic requirements were also part of this interview process.

The following are general issues and observations bearing on space considerations, per se, that emerged during the interview and focus group sessions. The space needs and other concerns of individual areas, current and projected, will be discussed further on in the narrative accompanying the proposed space program.

Gathering Spaces

Appropriate gathering space, formal and informal, is in short supply at SUNY Fredonia. Interviewees requested:

- More meeting and storage space for student clubs and organizations. This will be addressed to some degree in the renovation of the Williams Center, but there will be an acute shortage of space during the renovation, and only part of the need will be addressed afterward.

Event Space

There are auditoria and recital halls in Rockefeller (Theatre and Dance) and Mason (Music) Halls, ranging up to 1,200 seats in size.

The larger multipurpose spaces that can be used for dinners, ceremonies (e.g., commencement), dances, concerts and the like, are few in number and heavily booked. The Center Pointe room at the Williams Center, the largest such space in Chatauqua County, will accommodate a maximum 600 attendees. Larger events are confined to the gymnasium in Steele Hall which can accommodate a maximum of 4,000 when the floor is used for seating.

The SUNY Fredonia campus needs to be self-sufficient in the provision of venues because the nearest urban area which might otherwise be counted on to provide them—Buffalo—is an hour distant. Interviewees expressed a need for two additional venues:

- A large multipurpose space which could accommodate more than 1,200 in flexible seating arrangements is needed. This would allow larger concerts and dances, and large meal functions.
- A second multipurpose venue or auditorium in the 800-person range would also be very useful, accommodating larger gatherings than the Williams Center Space as well as providing a second venue for events of this popular size.

Classrooms and Specialized Instructional Spaces

Generally speaking, the ideal classroom at Fredonia seats 35 students. There has been economic pressure to increase class sizes, but the college is resisting, aware that small classes are a trademark of the institution. There is a felt need for more classrooms on campus because of the lack of available space at peak class times.

Specialized instructional spaces come in a wide variety at Fredonia, given the mix of academic programs. At the time of the interviews, an addition to the Music building was underway which will add rehearsal space. Also, in the offing, a new science building and an addition to the Rockefeller Arts Center.

The new science building will provide modern instructional and research space and will enable a series of renovations and relocations: Houghton Hall (for Sciences), then Jewett Hall (currently Sciences). Because no general instructional space has been built on the Fredonia campus for some 30 years, many classrooms are wrong-sized and in the wrong places.

Office Space

Maytum Hall, the main administration building on campus, is currently closed for extensive renovations. Thus, the offices that would normally reside in that eight-story building are located in a sort of diaspora all across the campus. Most will return, some will not, and there is a bit of confusion as to where some of the offices will eventually wind up.

Faculty offices are generally located in academic buildings near where the faculty teach. The rule is that every full-time faculty member has a private office, but some sharing has been necessary.

Storage

Virtually everyone interviewed entered a plea for additional storage space for everything from secure files to teaching supplies and student club materials. As noted, many storage areas have been repurposed and not replaced.

HVAC

Heating and cooling across the campus appears to be a problem. Some venues, especially Rockefeller Arts Center, are not air conditioned, greatly limiting their use during the summer months.

Projected Space Needs

Overview

Fredonia’s space need projections are derived from an analysis of the existing physical space inventory and the institution’s envisioned future. From this analysis, the Facilities Master Plan can be rationally developed based on data, expressed priorities, and reasonable guidelines. It will also begin to identify those areas to be prioritized as the campus moves into detailed programming (such as with Nursing for example).

The projections are based on three major components:

1. the current physical space inventory;
2. an analysis of institutional trends, plans, or priorities that may impact future space needs;
3. the application of space guidelines to quantify and anticipate future space needs.

Where appropriate, findings from campus interviews conducted by The Master Planning Team are also used to inform and shape the projected space needs. The Master Planning Team’s space projections provide total space allowances in each broad space category. The tables on this page compare the existing space inventory to two scenarios. The first compares existing space with “right-sized” current space, defined as the current need for space if existing spaces were appropriately sized while the second indicates the overall need by 2023. As with any projections, these should be periodically revisited and tested to determine any changes in the intervening years.

Existing, Current, and Projected Need

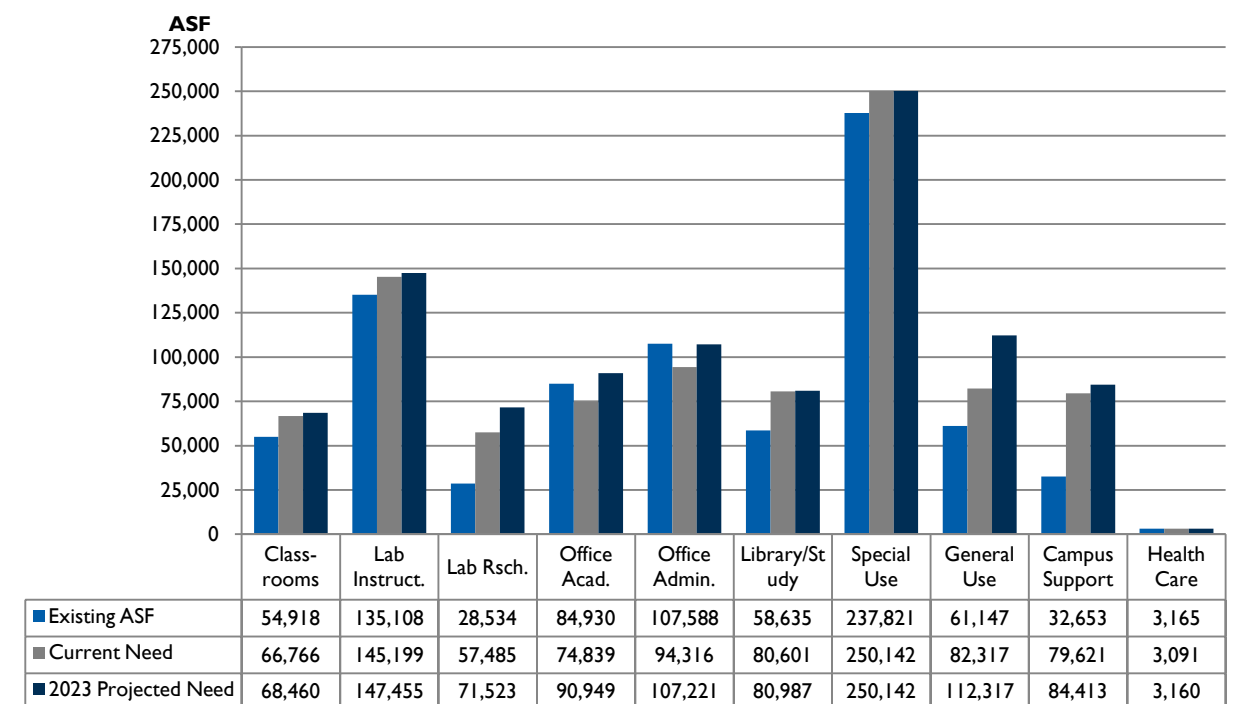
The people and programs at SUNY Fredonia need more space. The campus, not including bed space in the residence halls, currently at 804,499 ASF, should be at 934,377 ASF—16% larger. In 2023, to accommodate the projected programs and people, the campus will need to comprise 1,016,626 ASF.

The remainder of this chapter describes where the growth will occur, and where and what kind of space will be needed most. Figure D3 shows the changes that will occur based on the proposed program. Much of the space increase needed should occur sooner rather than later as it is needed to remediate current deficiencies. Later, growth will drive space increases as shown in Figure D4.

Figure D3:
Summary Table of Projected Space Needs: 2009 to 2023

Space Type	Existing ASF	Current Need ASF	Current Need vs. Existing Growth/(Reduction) ASF	2023 Projected Need ASF	2023 Proj. Need vs. Existing Growth/(Reduction) ASF
Classroom 100	54,918	66,766	11,848	68,460	13,542
Laboratory 200 / Instructional	135,108	145,199	10,091	147,455	12,347
Laboratory 250 / 255 / Research	28,534	57,485	28,951	71,523	42,989
Office 300/Academic	84,930	74,839	(10,091)	90,949	6,019
Office 300/Administrative	107,588	94,316	(13,273)	107,221	(367)
Library/Study 400	58,635	80,601	21,966	80,987	22,352
Special Use 500/1500/6000	237,821	250,142	12,321	250,142	12,321
General Use 600	61,147	82,317	21,170	112,317	51,170
Campus Support 700	32,653	79,621	46,968	84,413	51,760
Health Care 800	3,165	3,091	(74)	3,160	(5)
Total	804,499	934,377	129,878	1,016,626	212,127
ASF/FTE	142.7	165.8		173.3	

Figure D4:
Existing Space, Current Need, and 2023 Projected Need by Type



Using the core campus ASF of 804,499 (not including bed-space) and dividing it by the FTE student of 5,637 indicates the overall ASF/FTE for Fredonia is 142.7. This is within the range for comprehensive campuses which average about 150 ASF/FTE. The differences in ASF/FTE among campuses is related to the type of campus (residential vs. commuter), location (urban, suburban, rural), etc. The right-sized ASF/FTE of 166.4 would be appropriate for a residential campus with space-intensive programs such as those at Fredonia. The ASF/FTE of 173.3 projected for 2023 is appropriate for an institution that has more full-time students and more graduate students.

Space Needs by Space Type Categories

The following sections reviews by space type category the suggested gap analysis from current to 2023.

General-Purpose Classrooms / Lecture Halls (100 / 1000, 1100)

Planning Calculations

The statistical methodology applied by The Master Planning Team to the instructional space utilization analysis is widely used and accepted in the realm of higher education. The analysis incorporates suggested guidelines for classroom utilization of 67%, average station occupancy of 67%, and station size.

The station size is based on an average of 22 ASF/station for general-purpose classrooms with up to 75 stations. Instructional spaces with between 76 and 249 stations are allowed an average of 18 ASF/station, and with 250 stations or more, 15 ASF/station. These averages provide flexibility during the detailed planning process. Again, it is critical to note that these sizes are planning factors and not design guidelines.

Findings

- Fredonia currently has 48,437 ASF of centrally-controlled general purpose/lecture hall space available on campus, in 55 rooms. However, 80,149 ASF is currently coded as classrooms. This additional ASF may be attributed to support space or inappropriately coded space. Four rooms are departmentally assigned and in addition to the 55 centrally managed rooms.
- Based on Fall 2009 enrollments, the current need is 58,680 ASF with an additional 10% support of 5,868, bringing the total general instructional need to 64,548. An additional 2,306 ASF is recommended to meet the needs of specific areas/departments, for a total classroom need of 66,854 across 62 rooms.

- Based on a projected 4% increase in enrollment by 2023, the projected future classroom/lecture hall and support need is 66,424 ASF with an additional 2,306 ASF of departmental classroom space for a total of 68,730 ASF across 64 rooms.
- This means that Fredonia is currently deficient in existing space by over 18,000 ASF, and is also confronted with issues of quality as well as a mismatch between the capacities of the current classroom inventory and existing or future demand. In fact, during interviews, the availability and sizes of classrooms were frequently raised as perceived problems by both students and faculty.

SUNY Calculations

- The SUNY approach is to use the credit value of each course, multiplied by the enrollment, to determine weekly student contact hours (WSCH). It is then aggregated on a department-by-department basis. In effect, the credit value is serving as a proxy for empirically determined hours.
- The The Master Planning Team approach is to look at the actual number of hours each course is in session (based upon scheduling data), multiplied by the enrollment in that course, to determine WSCH. This is the more “traditional” method for determining WSCH because, by definition, a WSCH reflects real “contact” time in an instructional environment.
- As such, the The Master Planning Team empirical approach to determining WSCH in both instances is applied, varying only the space factor from the SUNY methodology and allowing for a more objective comparison. The Appendix spreadsheet titled SUNY Calculations for Instructional Space Need indicates the credit hours as calculated by SUNY, but applies the actual calculated weekly student contact hours to determine the ASF required.

Calculated Classroom Space Needs

Fall 2009 course data yielded a total of 27,716.18 weekly daytime contact hours of classroom instruction. The ASF of classroom space needed was then determined by multiplying total weekly daytime contact hours by a space factor. Both SUNY and The Master Planning Team formulas were used to calculate the space factors. Both assumed a weekly daytime scheduling window of 40 hours and used guidelines for ASF/station, station occupancy, and room utilization. SUNY guidelines

provide for less ASF/station and higher station occupancy and room utilization rates than those used by The Master Planning Team. As a result, SUNY guidelines produce a much lower space factor and lower estimated need for classroom space than The Master Planning Team guidelines. SUNY and The Master Planning Team guidelines are as follows:

Figure D5: Comparison of SUNY Standards and RA guidelines

Metric	RA	SUNY
Utilization: Weekly Hours Scheduled	67%	75%
Stations Occupied	67%	80%
ASF/Station	22	16

The 67% utilization and occupancy rates used by The Master Planning Team are intended to produce more flexibility for scheduling, allowing for varying distributions of course section sizes from semester to semester in a relatively fixed distribution of classroom capacities. The two-thirds target attempts to strike a balance between flexibility and the efficient utilization of classroom space.

The SUNY formula for calculating a space factor also includes a New York Division of the Budget (DOB) factor of 1.18, which further compresses the space factor used. The Figure D6 on next page presents SUNY and The Master Planning Team space factor and current need formulas and the respective space factors and classroom space needs calculated by each.

The Master Planning Team’s space factor calculations result in a current/right-sized classroom space need of just over 60,000 ASF, or greater than the approximately 28,000 ASF calculated using SUNY’s method. The Master Planning Team takes the calculated ASF one step further and recommends classrooms by capacity. Here, it results in a slightly lower proposed recommendation. An allowance of 10 percent additional will also be applied in the summary projections. The differential in assignable square footage is summarized in Figure D7 on next page.

Findings

- The Master Planning Team’s methodology and calculations suggest that Fredonia has a notable deficiency of classroom space at present, and this will only be exacerbated moving forward.
- The Master Planning Team’s proposed ASF is a “translational” number that reflects the distribution of the calculated ASF into recommended classrooms by needed capacities. This includes lecture hall space that has a lower ASF / seat allowance
- Four departmentally-controlled classrooms have been retained.
- Classroom and lecture hall space in the new science building is not reflected here. This includes two classrooms seating 50 each and a lecture hall with 120 seats.

Critique

SUNY’s guidelines for instructional space do not reflect contemporary changes in pedagogy, such as the need to reconfigure furniture for interactive instruction, or the widespread use of laptops in classrooms, or new classrooms types such as those specifically designed for group-based-learning. They also do not account for the simple fact that today’s students are physically bigger and require more seat space.

- SUNY’s calculation is based on factors different from those recommended by The Master Planning Team:
 - a smaller average square footage per station of 16 ASF,
 - a higher percentage station occupancy rate of 80%, and
 - a higher percentage of scheduling window hours scheduled at 75%.
- The instructional space is calculated using space multipliers applied to a calculated FTE by department based on scheduling data. This assumes that general-purpose instructional spaces are calculated fractionally, at the department level, rather than holistically for the overall campus.
- SUNY uses a combination of day and evening credits and FTE within a 40-hour scheduling week.
- SUNY combines percent of hours scheduled (75%) and seat occupancy rate (80%), to calculate the number of hours per week a room should be scheduled. This is then multiplied by 1.18 as required by the Division of Budget (DOB), increasing the average weekly contact hours from 24 hours to 28.32 hours.

- The conversion of the credit hours to FTE no longer reflects the data cleanup which had previously been provided as part of the CASA validation process. As such, in this exercise, courses without assigned credits had to be excluded, thereby reducing square footage needs by department.
- SUNY uses credit hours rather than contact hours to calculate space needs. Whereas contact hours reflect actual seat time, credit hours are an academic construct. Weekly contact hours were used here to standardize the comparison between the SUNY formula, and the The Master Planning Team formula.
- SUNY’s process is actually a mix of planning and programming efforts. Although there is the Facility Programming Guidelines Manual (also known as the “Blue Book”), these square foot factors are intended to be used in detailed programming, not for overall space planning. In addition, there are other institution-specific space factors to be used for lower division, upper division, or graduate level, as detailed in a 1994 documentation of SUNY space factors, but not available for this study.

While the SUNY projections suggest an increase of 3,422 asf (6.2%) through 2023, the The Master Planning Team projections call for more robust growth of 13,542 asf (24.7%) for the same period. This is a function of a longer allowance per station as well as more contemporary target utilization rates.

Figure D8 tracks the ASF comparison between SUNY calculations and The Master Planning Team calculations from 2009 to 2023.

- Registrar indicates pure instructional (classroom and lecture hall) space, as managed by the Registrar. The numbers shown for The Master Planning Team reflect the “translational” recommendations.
- Departmental refers to departmentally managed classrooms. These have been included “as is” in both SUNY and The Master Planning Team projections.
- Support/Other includes all additional spaces coded as instructional in the PSI in the Existing column. Calculated support for SUNY and The Master Planning Team includes 10% support space.

For both The Master Planning Team and SUNY, there are four specific clusters within this code series:

1. Specialized instructional spaces/teaching laboratories,
2. Departmental research space,
3. Open/individual study labs, and
4. Organized research.

**Figure D6:
SUNY and RA General-Purpose Classroom Space Need Formulas and Calculations**

SUNY and Rickes Associates (RA) formulas	
Space Factor =	$\frac{\text{ASF/station}}{(\text{weekly scheduling window} \times \text{utilization guideline} \times \text{occupancy guideline} \times \text{DOB factor})}$
	SUNY Space Factor = $16 / (40 \times 75\% \times 80\% \times 1.18) = .56$
	RA Space Factor = $22 / (40 \times 67\% \times 67\%) = 1.22$
	Current Need = weekly student contact hours x space factor
	SUNY Current Need = $49,058 \times .56 = 27,716 \text{ ASF}$
	RA Current Need = $49,058 \times 1.22 = 60,093 \text{ ASF}$

**Figure D7:
Existing vs. SUNY and RA General-Purpose Classroom Space Need**

Existing ASF	Current/Right-Sized ASF Need			Delta ASF to Existing		
	SUNY Calculated	RA Calculated	RA Proposed	SUNY Calculated	RA Calculated	RA Proposed
48,437	27,716	60,093	58,680	(20,721)	+11,656	+10,243

**Figure D8:
SUNY and RA Calculations: Classrooms and Lecture Halls**

Classroom or Space Type	Existing ASF	2009		2013		2018		2023	
		SUNY	RA	SUNY	RA	SUNY	RA	SUNY	RA
Registrar-Controlled	48,437	49,058	58,680	49,058	58,680	51,020	60,220	51,020	60,220
Departmental	2,218	2,218	2,218	2,218	2,218	2,218	2,218	2,218	2,218
Support/Other	4,263	4,906	5,868	4,906	5,868	5,102	6,022	5,102	6,022
Total ASF Need	54,918	56,182	66,766	56,182	66,766	58,340	68,460	58,340	68,460

Laboratory (200 / 1300, 2000)

**Figure D9:
Planning Multipliers for Specialized Instructional Space**

Specialized Instructional Space	Planning Multiplier
Social Sciences/ Humanities/Computer Sciences	40 ASF
Physical Sciences/Allied Health/Fine and Applied Arts	60 ASF
Electrical Engineering/Physical Fitness	80 ASF
Civil Engineering/Dance	100 ASF

**Figure D10:
Multipliers for Departmental Research Spaces**

Specialized Instructional Space	Multiplier	Departmental Research Space	Multiplier (25% Support)
Social Sciences/ Humanities/Computer Sciences	30 ASF	Office-based/ Computational	125 asf
Physical Sciences/Allied Health/Fine and Applied Arts	60 ASF	Fine and Applied Arts	190 ASF
Electrical Engineering/Physical Fitness	80 ASF	Health Sciences	250 ASF
Civil Engineering/Dance	100 ASF	Physical Sciences/ Psychology	410 ASF
		Engineering	440 ASF

Planning Calculations:

1. Specialized Instructional Spaces Specialized Instructional/ Teaching Laboratories

Formal, discipline-specific instruction occurs in this space type, such as science labs or art studios. A detailed room-by-room analysis of the existing use of Specialized Instructional spaces was conducted and was summarized previously in this document.

The same components of analysis are applied to Specialized Instructional space as were applied to general-purpose classrooms, but with variations on the guidelines:

- scheduling window (40 hours),
- weekly room hour utilization rate (50%),
- station occupancy rate (80%), and
- average station size (varies by discipline and space type).

Space need projections were made using an average enrollment for the departmental courses and a review of the average station sizes. Expressed demands for additional space to support growth or changes in course offerings were also factored in. See Figure D9.

2. Departmental Research Space

A multiplier was applied to the FTE faculty counts by department to provide an appropriately sized “pool” of space for general planning purposes, which will be allocated during the detailed planning phase. The multipliers in Figure D10 are based on the needs of a particular space or discipline, and include an allowance for support space.

3. Open Labs/Individual Study Labs

- Open Labs are another subsection in this space series. Open labs are those spaces in which non-formal instruction occurs, but the spaces are critical to the promotion of learning. Oftentimes these spaces are open/drop-in computer labs, but can also be studio space dedicated to majors or individual practice rooms, such as those required by Music. Open labs are calculated for the campus as a whole and, where possible, assigned to specific departments.

4. Organized Research

This is a SUNY-specific category that relates to externally sponsored research, distinct from departmental research. The Master Planning Team does not distinguish type of research space, but provides an overall allowance for each department as noted under #2, Departmental Research.

The Master Planning Team Findings:

Specialized Instructional Spaces/Teaching Laboratories

In Fall 2009, there were 48,610 ASF of scheduled (or available to be scheduled) Specialized Instructional space, although the total in the PSI for this particular space category was much larger given coding issues. Detailed analysis of space use indicated existing pressure points as well as proposed new initiatives. Subsequently, current need was calculated at 76,292 ASF, including support.

New initiatives, as identified during the interview process, drive the need for additional lab spaces for Journalism, Speech and Hearing, Dance, Visual Arts and New Media, Theater, and Education to address current and longer-term needs. These new and expanded initiatives increase the need for Specialized Instructional space to 87,192 ASF.

Space in the new Science Building is excluded here, but will serve to address some of the space deficiencies for the campus as a whole.

Department Research Space

This was calculated with multipliers that vary by discipline, as noted previously. The current need is for 57,485 ASF, while the projected space need is 71,523 ASF in 2023 to support both program and personnel growth.

Open Laboratory/Independent Study/Other

A current need of 20,857 ASF was generated for the campus as a whole, based on existing enrollment. This allowance will increase modestly in conjunction with anticipated enrollment growth, to 21,701 ASF. For the purpose of this document, other spaces currently appearing in the broader category of “Laboratory” – but not specifically open lab – have been included in this grouping. Examples range from a music library to a radio station to a costume shop. It is evident that there are some coding verification issues with a number of these spaces. Meanwhile, some space has been intentionally omitted, such as large blocks of storage that more appropriately belongs elsewhere in the PSI. The following list enumerates the open lab space controlled by the named departments.

Figure D11:
Open Laboratory/Independent Study/Other Space by Department

Department	ASF
Computer & Information Sciences	745
Educational Communications	1,344
EOP Administration	345
Geology	490
I&Dr Equip/Space Steward	3,851
Learning Center	1,860
Mathematics	1,313
Modern Languages	648
Music	672
Physics	1,216
Theatre Arts	266
Visual Arts & New Media	2,019
Visual Media Services	588
Service space	148
Total	15,505
Allowance	20,857
Remainder of Allowance	5,352

Thus, the campus has 5,352 ASF remaining in its allocation for open labs. It is important to note that the above spaces were identified as such, "1304: Auto-Tutorial Lab (dry)," in the PSI. Except for the Learning Center space, all were identified as computer labs.

Music Practice Rooms: 11,409 ASF

The School of Music at Fredonia is well known and deservedly so. It occupies a four-building complex (Mason Hall, Mason Hall Annex, Mason Hall Addition, and Mason Recital Hall) collectively referred to as Mason. An analysis was done of practice room use to determine whether more were needed. Since there are no accurate use records of the individual rooms, a demand analysis was used instead.

In the Fall, 2009 term, there were 677 Music majors enrolled at Fredonia. Two scenarios were posited: A Low-Practice scenario where every major practices six hours per week. The High-Practice scenario assumed that every major practices ten hours per week. It is further assumed that all of these practice hours are spent in one of the practice rooms in Mason. Additionally, every student gets a one-hour private lesson in one of the practice rooms. Last, the practice rooms are available 80 hours per week

(Monday-Friday, 8:00 AM – Midnight). The Figure D12 summarizes the determination of need for practice rooms.

Thus, using the Low-Practice assumption, 58 continuously used rooms would be needed. Under the High-Practice scenario, 92 would be constantly used.

According to the PSI Mason contains 104 practice rooms of 102 ASF or less. There are other larger rooms, but they are considered here. Conclusion: There are more than enough rooms to accommodate the current number of majors.

To the extent that the assumptions are inaccurate, they are presumed to be so on the conservative side. That is, the building is used more than 80 hours per week; not all practice will be done in Mason; and having all students practice the requisite number of hours per week is perhaps a thing "more ardently to be wished than seriously to be expected."

One last note: This analysis, like most of what is contained here is heavily reliant on the PSI. While touring the Mason facilities, consultants noticed that a number of the practice rooms, particularly in "old Mason," had been assigned other uses, faculty offices, student club space, etc. The PSI does reflect some of these reassignments, but may not cover them all. So, there may be less practice rooms than meet the eye of the PSI beholder.

Organized Research

The need for organized research space was not separately calculated, but subsumed under departmental research space.

All Specialized Space

The table D13 summarizes the current need for the specialized instructional space series of spaces.

SUNY Calculations

Much like SUNY's calculations for general-purpose classrooms space needs, the calculations for SI spaces assume the following averages:

- 75% of the rooms in the weekly scheduling window are actually scheduled (then increased by 1.18 per DOB),
- 80% of seats are occupied, and
- from 20 to 60 ASF/station is applied depending on department (from the Facility Programming Guidelines).

See Table D14.

Figure D12:
Summary of Need for Music Practice Rooms

Scenario	Number of Majors Enrolled Fall, 2009	Weekly Practice Hours Per Student	Total Weekly Student Practice Hours	Grand Total, Private Lessons and Practice Hours	Proposed Practice Rooms Needed
Low	667	6	4,002	4,669	58
High	667	10	6,670	7,337	92

Figure D13:
Summary of Open Laboratory/Independent Study/Other Space

Space Type	ASF
Current specialized instructional spaces (Right sized)	76,292
New labs	10,900
Research	57,485
Open lab/other	58,007
Total	202,684

Figure D14:
Summary of SUNY and RA Guidelines

Guideline	SUNY	RA
ASF per Station	varies by discipline	
Utilization Rate	75%	50%
Occupancy Rate	64%	80%

Figure D15:
SUNY and RA Space Need Formulas and Calculations

SUNY and Rickes Associates (RA) formulas	
Space Factor =	$\frac{\text{ASF per station}}{(\text{weekly scheduling window} \times \text{utilization guideline} \times \text{occupancy guideline} \times \text{DOB})}$
	SUNY: varies (60, 80, or 100)/(40 x 75% x 64% x 1.18)
	RA: varies (60, 80, or 100)/(40 x 60% x 80%)
Current Need =	weekly student contact hours x space factor on a department-by-department basis

Figure D16:
Current vs SUNY and RA Space Need:

Existing ASF	Current / Right-Sized ASF Need			Delta to Existing		
	SUNY Calculated	RA Calculated	RA Proposed	SUNY	RA	RA Proposed
48,610	16,782	23,768	87,192	(31,828)	(24,842)	+38,582

Figure D17:
Space Mistakenly Listed as Laboratory and Laboratory Service Space in PSI by Department

Department	ASF
Economics	190
Student Billing/Cashiering	50
Custodial Services	104
Administration & Mgmt M&O	3,220
Student Counseling	167
Res Hall Administration	42
English	130
Fine Arts Activities	10
Health & PE	556
Psychology	53
Lifelong Learning & Special Proj	28
College Affairs	319
Total	4,869

Determination of the need for specialized instructional space was carried out on a discipline-by-discipline basis by multiplying weekly student contact hours by a space factor. The formulas for calculating space factors and current need for specialized instructional space are presented in the tables D15 and D16.

Whereas the right-sized ASF need shown above is a purely calculated need, the The Master Planning Team proposed figure reflects space requirements based on factors other than Fall 2009 weekly student contact hours. For example, a room with relatively low use would generate few contact hours and, therefore, a low associated square footage need. In reality, however, a room of a particular physical size and capacity would be required to accommodate the courses actually offered in that room. The The Master Planning Team proposed figure takes this need into account. Also included in the The Master Planning Team proposed figure is 10,900 ASF for seven new Specialized Instructional spaces, including an allowance for support space.

SUNY Findings:

- **Specialized Instructional Spaces/Teaching Laboratories:**
A need for 16,782 ASF was calculated.
- **Department Research Space:**
The SUNY variables required to calculate faculty research space needs were not available. Departmental research need was maintained at current levels, then increased in conjunction with enrollment growth.
- **Open Laboratory/Independent Study:**
Individual study labs do not contain credit-bearing courses. This need could not be calculated, as no SUNY formula was provided to "create" a credit equivalency.
- **Organized Research:**
This space type is not projected by SUNY, so was held as a constant quantity in the SUNY calculations.

Critique:

- **Scheduled Labs: 1300**
The guideline for projecting lab needs is based on credit hours by department. Without up-to-date CASA data, accurate analysis is not possible. The Master Planning Team student contact hours, as collected from institutional data, were applied to enable a standardized comparison between the two categories.

- The SUNY station sizes for various lab categories are dated and do not take into account changes in pedagogy, the increased use of technology, and ADA requirements.
- **Departmental Research Labs: 2001**
The "Blue Book" has limited options for faculty research space ranging from 30 ASF/station for social sciences to 240 ASF/station for engineering, including support and office space. Also, the "Blue Book" does not take into account the changing nature of research, the increase in undergraduate research, and the integration of research into classroom teaching.
- As SUNY calculations do not provide appropriate departmental research space, they do not reflect the increased research being conducted by undergraduates.
- **Individual Study Labs/Open Labs:**
Without CASA data, this space type cannot be calculated. No credits are assigned to these rooms, and the SUNY method for "adjusting" them so that they appear to have credits is not known.
- **Organized Research:**
This space is not programmed by SUNY. It has been maintained at current levels, and increased in accordance with faculty growth.

While analyzing the PSI for laboratory space in general, many incongruities were found. For example, 12 departments were listed as having laboratory space or laboratory service space that was not really such space at all. See Figure D17.

Laboratory/Research (250/2000)

"Research," as the term is used here, refers to the creative, investigative, or other scholarly activity of a faculty member or group of faculty members. Thus, the "laboratory" might actually be studio or a reading room, if appropriate. This space was calculated per full-time-equivalent faculty using discipline-specific multipliers. The existing space for "research" in the PSI was more unreliably coded than most areas. Discussion and cursory review indicates the possibility that some spaces are assigned to that of instructional lab, although they are being used as research space (in which one or two courses might be assigned). This is indicative of the coding in the PSI to reflect the proportion of space assigned for budgetary purposes vs. that of the main purpose/

type of space. It also reflects the ease with which these spaces can be switched from one use to the other without, alas, the PSI keepers sometimes being unaware of the change.

Each department is allocated a pool of research space, based on FTE faculty count, to be distributed as the department deemed appropriate for the scholarly use. The multipliers used to calculate research allocations are those commonly accepted and listed in Figure D18. They represent the number of ASF allocated for each faculty member. The "departmental" pool, of course, will rarely be uniformly distributed; some researchers needing more space than others. The disciplines listed are not exhaustive of the type (e.g., Biology would be included with Physical Sciences/Psychology). See Figure D18.

Organized/Sponsored Research

Spaces that are used for externally sponsored research, are sometimes distinct from departmental research. However, this report does not distinguish between type of research space, but provides an overall allowance for each department as noted under Departmental Research. It is generally assumed that existing space is converted to other use and fluctuates based on grants.

Administrative and Academic Office Space (300 / 3000, 5000)

Planning Calculations

Because they need work space, faculty and staff are major drivers of campus space needs, both current and projected. A square foot per FTE multiplier is applied to the personnel projections to determine office space needs in each area. Some personnel require less office space because of the nature of their work (e.g., many maintenance staff in Facilities do not need private offices or workstations at all), so these formulas are adjusted to reflect a "reduced" staff multiplier. Nearly all personnel are allocated some space, even if only a share of pooled space for a break room or locker space.

In addition to actual academic and administrative offices, the multiplier is sufficient to provide space for reception areas, conference rooms, workrooms, storage, and lounges, where appropriate. Current and projected personnel figures were collected from the campus and converted to full-time equivalent (FTE). The FTE by department/area was multiplied by the appropriate ASF multiplier to provide the base need for offices and associated support spaces. See Figure D19.

- The ASF/FTE multiplier assumes an office/workstation along with related support areas such as reception, conference room, workroom, and storage. For example, with 180 ASF/FTE, a typical office would be 120 to 150 square feet, and 30 to 60 square feet would be that office's "contribution" to support space.
- Additional space is added to the projections to account for expanded reception or conference rooms in a Dean's or Vice President's area, for example.
- As with other multipliers, the office multiplier provides an order-of-magnitude estimate of total office space need; specific office and support space sizes will be determined during detailed space programming.

Academic Office Space

The Fredonia campus has a total of 84,930 ASF of space coded as academic/faculty office and support space. The right-sized offices space for this group would sum to 74,839 ASF. At present, then, there is too much academic office space. There is, however, a felt need for more office space in several departments, for adjuncts and needed new full-time faculty. So, offices are currently too few and too large.

The 2023 projected space, driven by a larger number of faculty, indicates a need for 90,949 ASF. A right-sized office will vary in size depending on the needs of a particular faculty member or disciplinary considerations. Also, the distribution of office size and support space can vary. Thus, the campus-wide average size may be rarely seen "on the ground." Some departments may opt for smaller "personal" spaces with more meeting rooms, whereas others may want more space in the actual office (e.g., a music professor who gives individual lessons).

The right-sized need presumes that full-time faculty will be assigned individual offices and adjuncts share space. By formula, one adjunct generates half as much space as a full-time faculty member. Ideally, two part-time faculty would share the same space that would be allocated to a full-time faculty member. In reality, part-time faculty office assignments are often less generous (e.g., four or even six adjuncts sharing a 160 ASF bullpen-style space).

**Figure D18:
Multipliers for Departmental Research Spaces**

Departmental Research Space	Multiplier (+25% Support) ASF
Office-based/Computational	125
Fine and Applied Arts	190
Health Sciences	250
Physical Sciences/Psychology	410
Engineering	440

**Figure D19:
Multipliers for Projected Personnel Space Needs**

Employee Category	Multiplier ASF	Employee Category	Multiplier ASF
Executive/Administrative/Managerial	280	Technical/Paraprofessional	125
Professional	190	Graduate/Residence/Teaching Assistant	70
Faculty	180	Service/Skilled/Maintenance	30
Secretary/Clerical	160		

Figure D20:
Special Use Space as Calculated for Right-Sized and Projected

Category	Existing Identified where possible	Current Right-Sized/ Calculated ASF*	Projected 2023 ASF*
Athletics/Physical Education Held existing space constant, right sized instructional labs where appropriate	104,769	81,370	83,652
Media Production: TV studios, radio studios, sound studio/distribution rooms for entire departments or campus	11,286	5,637	5,865
Clinic: Generally associated with a department/education program-space used for services to patients or clients with primary purpose of research, instruction, public service Should not be confused with medical/health	4,508	2,255	2,346
Demonstration: Practice space provides real-world simulation.	?	564	587
Animal Facilities: Animal facilities would be used to support research.	1,021 (est.)	1,127	1,173
Greenhouse: If not applicable, this square footage could be used in a different category.	632 (est.)	2,819	2,933

* Note: The values shown in the Right-Sized and Projected columns are those calculated by the CEFPI formulae, in some cases modified by RA.

Administrative Office Space

The Fredonia campus has a total of 107,588 ASF of space coded as administrative and support space. The 2023 projected space indicates a decrease to 107,221 ASF. As in the case of faculty offices, the present office array sums to a total ASF greater than the right-sized formula generates: 94,316 ASF. Thus, again, offices are too big. Many offices on the Fredonia campus are in spaces that were designed for some other purpose., likewise support spaces. Thus, in many cases there are too few, too large offices. Right-sizing would result in smaller offices, thus, fewer ASF for the same number (or even a greater number) of spaces. On the plus side, Fredonia now has enough administrative office space, in total, to accommodate the administration of 2023. Of course the configuration would have to be changed considerably.

Here as in other areas, it is also possible that the PSI has offices coded as other things and vice versa. Often, rooms are converted from one use to another, but the change escapes detection and transfer to the PSI.

Combined, the differential in academic and administrative office space and support is an overall need of 5,652 ASF for the campus as a whole, presuming spaces are appropriately located and sized.

Regardless of academic or administrative, certain types of spaces were added into the overall program in response to existing or anticipated needs that came up during the interviews. Several office-related needs emerged as common themes:

- Need for secure storage for equipment or sensitive files
- Need for confidential work space or meeting rooms
- Need for general office storage
- Need for reception or waiting areas
- Need for office/work space for adjuncts, TAs, GAs, The Master Planning Teams
- Need for general event space or appropriately-sized meeting space
- New faculty may have more intensive and/or different research space needs.

In some cases, these spaces were already included in the standard multiplier. In other cases, space was added for those needs that fell outside the multiplier. These adjustments are identified in the comment column of the order-of-magnitude space planning projections summary table.

Library Stacks and Processing, Study Space (400 / 4000):

The Library space needs are derived from CEFPI guidelines based on the number of volumes, periodicals, and other media. Space is calculated for stacks, processing space and reading and study areas. Library staff office space appears under the calculation for administrative offices.

It should be noted that "study" space also refers to departmental libraries or spaces such as resource and skill centers, learning labs, and group study rooms in various buildings throughout campus. Some of these spaces may be "controlled" by individual departments.

The Library/Study space need was projected at 80,987 ASF for 2023. This is more than 22,000 ASF greater than the existing 58,365 ASF on campus. Most of the pick-up in space is charted for right-sizing to current campus needs. The 2009 right-size space would be 80,601 ASF.

Included in the total space need for the Library is an allowance of 47,412 ASF for the collection, processing and support. Office space is calculated under administrative/academic needs and includes an approximate additional 3,300 ASF of space. Finally, there is also a calculated need for almost 30,048 ASF of study and study service space.

The purpose of libraries has been shifting continuously over the past decade and it is not clear what their future role will be. Gone are the days where all students gathered at the library to simply study and read. Learning commons, gathering spaces, and group study areas are now the norm along with the inclusion of computer labs, classrooms, and student study/learning support areas. Even food and beverage venues are becoming commonplace. What/how Fredonia defines the library is an internal discussion. If collections shrink in physical size, more study space will become available, and there seems no limit to the demand for that. Whatever their particulars, libraries will continue to be places where study occurs, perhaps best described, as has been done in the K-12 world for years, as Learning Resource Centers.

Special Use (500 / 1500, 6000)

Planning Calculations

The Special Use category consists of spaces that are not instructional, but are single-purpose. Special Use spaces include:

- athletics,
- campus television/radio studio,

- clinics (can provide a public service, instruction and research within a department, such as the speech and hearing clinic),
- demonstration space (child care and lab schools within an instructional program),
- animal facilities (to house lab animals used in research), and
- greenhouses.

Special Use space is determined via CEFPI multipliers applied to overall student FTE. This results in a large “pool” of space that will be apportioned to individual units during actual space programming. This is illustrated in Figure D20 on previous page.

The information provided in this table is for high-level review only. Some of the categories may overlap and spaces may be rather arbitrarily assigned. Further, some of these figures have been adjusted at the departmental level in the space planning projections and the sum may be more than is calculated for the campus as a whole.

It must also be noted, for both General and Special Use spaces, that having enough of a sort of space does not mean that the distribution of that space is appropriate. Athletics space, for example, is abundant overall, but very badly arranged because much of the space pre-existed the program and the program had to “make do.”

- The Athletics Space (See note in paragraph above.) currently exceeds that recommended by the formula. The space is difficult to work in and inefficient. Absent a considerable degree of renovation, however, it is unlikely significant improvements can be made. An in-depth programming study is recommended for the Athletics spaces.
- Media production facilities at Fredonia also exceed the formula-produced ASF. In this case, while some efficiencies could probably be gained through the consolidation of the space, possibly allowing some sharing, the space is justified by the nature of the institution. Fredonia’s dominant presence in the performing arts has rather naturally led to strong interest in sound and video recording and transmission. The Communications Department and very active Media operations, both academic and administrative, have also contributed to interest in these areas. Thus, any changes in media production space are more likely to increase rather than decrease the “excess” relative to the formula-produced space.

- Clinic space is primarily found in the department of Communication Disorders and Sciences (Speech and Hearing), and in the form of a Reading Clinic in the College of Education. These are active clinics and are, contrary to the formula, likely to expand. In fact, additional Speech and Hearing clinic space is recommended in this program.
- The category of Demonstration space is provided to allow for the practice of an activity within an instructional program which closely simulates a real-world or occupational setting. Examples include a demonstration development center, laboratory school, or management houses. This type of space may not be relevant to Fredonia, and the ASF generated by the formula could be re-assigned to other purposes as needed.
- The animal colony at Fredonia is quite close in size to that produced by the formula. The current use is by the Biology Department, but more need may be generated if Psychology hires an animal researcher. Or, given the impending rearrangement of science facilities, it may be possible for Psychology to share space in the existing (or relocated) animal colony
- The Green house at Fredonia is used by the Biology Department. They currently have a building that uses about 630 ASF of their “allocation” of 2,800 ASF (going to 2,933 ASF in 2023). Perhaps this space can be reallocated to other uses.

General Use (600 / 6500)

General Use space supports a broader campus constituency and may be used for different activities and programs. Here are found:

- assembly space (auditoria, concert halls, theaters, multipurpose rooms),
- exhibition spaces (museums, galleries open to the campus population and the public),
- food services (dining),
- day care,
- lounge and gathering space for students and faculty,
- merchandising (supply stores, book stores),
- recreation spaces (television rooms, arcade rooms), and
- publicly available meeting rooms.

General Use space is calculated using CEFPI multipliers applied to overall student FTE. Certain uses such as food service and day care are calculated directly, while the balance of general use square footage is “pooled” space that will be apportioned to individual units. This is illustrated in Figure D21 on next page.

The information provided in this table is for high-level review only. Some of the categories may overlap and spaces may be rather arbitrarily assigned. Further, some of these figures have been adjusted at the departmental level in the space planning projections and the sum may be more than is calculated for the campus as a whole.

It must also be noted, for both General and Special Use spaces, that having enough of a sort of space does not mean that the distribution of that space is appropriate. Lounge space, for example, may be abundant in total, but poorly distributed in terms of individual room sizes, locations, etc.

- The Assembly Space noted above does not include backstage support, etc. This would add 18,389 ASF to the total shown. Fredonia is a “performing arts” campus and as such, a good deal of space is devoted to performance venues. During the interview process, many of the participants mentioned the need for two additional venues:
- A multipurpose room that could accommodate up to 1,200 people for events on campus. This space could be used for banquets, concerts, dances, etc. Currently there is no such space available, the gymnasium coming closest. The program provides 20,000 ASF for such a facility in the right-sized section. That is, it is recommended that it be built as soon as practical.
- An additional auditorium in the 800-seat range was requested to provide a venue in a size between the King Concert Hall (1,200 seats) and the multipurpose room in the Williams Center (about 600 seats, maximum). The program allocates 30,000 ASF for such a facility as a placeholder. This auditorium is not seen as a critical need and is “scheduled” to be included in the campus inventory by 2013.
- Not surprisingly, exhibition space is also found in above-formula amounts at Fredonia. These spaces are particularly difficult to classify (e.g., When does a hallway become an exhibition space?) and the PSI should be carefully reviewed in this area.

**Figure D21:
General Use Space**

Category	Existing Identified where possible	Current Rightsized/ Calculated ASF	Projected 2023 ASF
Assembly: spaces used for general presentations such as auditoria, concert halls, theatres	32,852 not incl. support	30,774	31,230
Exhibition: Museums, galleries, exhibition areas available to institutional population and the public	7,644	5,637	5,865
Food Services: This relates to dining based on meal plans; includes support not part of the program, but indicated here for informational purposes	47,840	47,840	47,840
Day Care: Space to provide care for child or elderly as a nonmedical service to the institutional community	10,507*	10,507*	10,507*
Lounge: Faculty and Student gathering space	26,273	14,093	14,663
Merchandising: Product and service sales areas such as supply stores, campus food stores, etc.	12,531	11,274	11,730
Recreation: Relations, amusement rooms such as game and arcade rooms, TV rooms	11,438	8,456	8,798
Meeting Room: Publicly available spaces used for non-class meetings; available to community groups, student groups, etc.	2,304	10,000	10,000

*The *Campus and Community Children's Center* relocated to a new facility while this space planning study was underway. The ASF shown is that of the new Center.

- Food service areas at Fredonia are operated by the FSA and were not specifically evaluated in his analysis. Interviews with the FSA indicated that, except for some storage issues, the campus dining areas were sufficient for the current enrollment and would be able to accommodate the campus through 2023 if the current enrollment projections hold.
- The Campus and Community Children's Center was opened while this space study was being conducted. It is a custom-designed and built, stand-alone facility and is expected to serve for the foreseeable future. Of course, changes will be made as dictated by demand, changes in codes, etc. The space formerly occupied by the CCCC (3,626 ASF) in Thompson Hall can now be assigned to other uses.
- On the basis of the numbers alone, student and faculty lounge space throughout the Fredonia campus would appear to be more than adequate. Although there are spaces which are identified as lounges/gathering, the spaces need to be addressed in terms of comfort and use. Most of the spaces are large and quite open, and many are food venues. See note above re: space distribution. Reconfiguring some of this space to be used for meeting rooms or group-study space might serve the campus well.
- Recreation Space: The value shown for Existing includes the residence hall-based Aerobics and Wellness Centers (3,886 ASF). It also includes the multipurpose room in the Williams Center (6,440 ASF) which is shown here in the PSI, but which is perhaps more properly classified as assembly space.
- The lack of meeting space was remarked by many during the interviews for this study. For the most part, the need was for departmental or administrative space: the support space generated in the office space calculations. There is also a need, however for more "publicly" available meeting and conference rooms. The lack of programming space for students was also a major theme which might be addressed by converting some of the larger lounge spaces (e.g., in the Williams Center) to club spaces.

There is in both General and Special Use spaces a good deal of overlap in function. A space used for exhibits is not precluded from being an assembly space simultaneously. Likewise, some of these venues might be used for instruction. It is often a judgment call, made more difficult since these spaces slip quite easily from one use to another. A fine-grained analysis may lead to some consternation, so a broad view should be taken.

Support (700 / 7000)

Planning Calculations

Support facilities or "Central Services" are the "back of the house" campus spaces such as:

- campus computer and network support;
- carpenter, plumbing, and electrical shops;
- physical plant maintenance;
- bulk storage;
- centralized services such as mail facilities, central shipping and receiving; and
- hazardous material storage.

CEFPI guidelines apportion a percentage of total campus space to this function. See Figure D22 on next page.

The information provided in this table is for high-level review only. Some of the categories may overlap and spaces may be rather arbitrarily assigned.

- The Central Computer area is approximately right-sized in its current space. Nearly 600 additional ASF are allocated under the formula should they be needed.
- Shops and stores spaces fall well short of what a campus of Fredonia's size should require. The need for such space will vary to some extent depending on business practices, but there is clearly a need for more space here and it is allocated by the program.
- The PSI does not allow a straight-forward calculation of Central Services space on campus. The existing space shown is only the square footage associated with central mail and duplicating services. It would appear that the formula-generated space is adequate for the campus' needs.
- During the interviews, it was remarked that a proper hazardous materials disposal unit was needed. There is currently in the PSI a "Chemical Rm" (507 ASF) in the Maintenance Building that may be the dedicated space for this purpose. In any case, the program allocates space for such a facility.

Health Care (800 / 8000)

This category refers to student health services, or “wellness centers” in contemporary parlance. CEFPI calculates these needs on a module basis augmented by a per FTE allowance. At Fredonia, the existing square footage of 3,165 ASF, primarily located in LoGrasso Hall, supports offices, medical, and some counseling. 2,748 ASF is actual medical (800) space. The actual medical space has been adjusted to 3,091 ASF, right-sized, and 3,160 ASF for the 2023 projection. Total medical space, including offices, is right-sized to 4,096 ASF and projected at 4,415 in 2023.

Space by Major Organizational Divisions

The table D23 shows the distribution of Space into the major divisions of the College. Large portions of space are missing from this analysis because residence facilities have been excluded as beyond the scope of this analysis. In terms of existing space, approximately one-third is used for housing students. It must be noted that the campus is contemplating adding residence halls to maintain a 50% on-campus student population as the enrollment grows.

All of the divisions, save College Advancement, are scheduled to increase their ASF between the present time and 2023. The gains in Administration and Student Affairs are front-loaded—most of the gains are remedial—while those in Academic Affairs not only make up for current deficiencies, but allow for personnel increases scheduled throughout the period.

Space Changes by Organizational Unit

This section reviews by organizational unit the suggested gap analysis from current to 2023. Note that only the end-points of the planning period (Existing/Right-Sized and 2023 Projected) are included here. The preponderance of changes in the space program are in the area of right-sizing, and therefore are proposed in the earlier phases of the Facilities Master Plan. That is, additions and deletions remedy current deficiencies. Later additions are driven, for the most part by enrollment growth and staffing increases. See Figure D24 Starting on next page.

**Figure D22:
Support Facilities**

Category	Existing Identified where possible	Current Rightsized/ Calculated ASF	Projected 2023 ASF
Central Computer: includes central server /mainframe rooms / network centers, which support the campus	3,883	4,478	4,649
Shop/Storage: Carpenter, plumbing, electrical, painting, etc. related to physical plant maintenance; warehouses, surplus storage, inactive storage, bulk storage, such as janitorial supplies	24,974 est.	66,453	70,346
Central Service: Generally relates to centralized duplication services, mail facilities, central shipping/receiving	3,381 (Mail + Duplicating)	5,637	5,865
Hazardous Materials: A central storage area of materials planned for either future use or for disposal of materials.	507?	3,054	3,553
Total ASF	32,653	79,621	84,413

**Figure D23:
Space Distribution by Division**

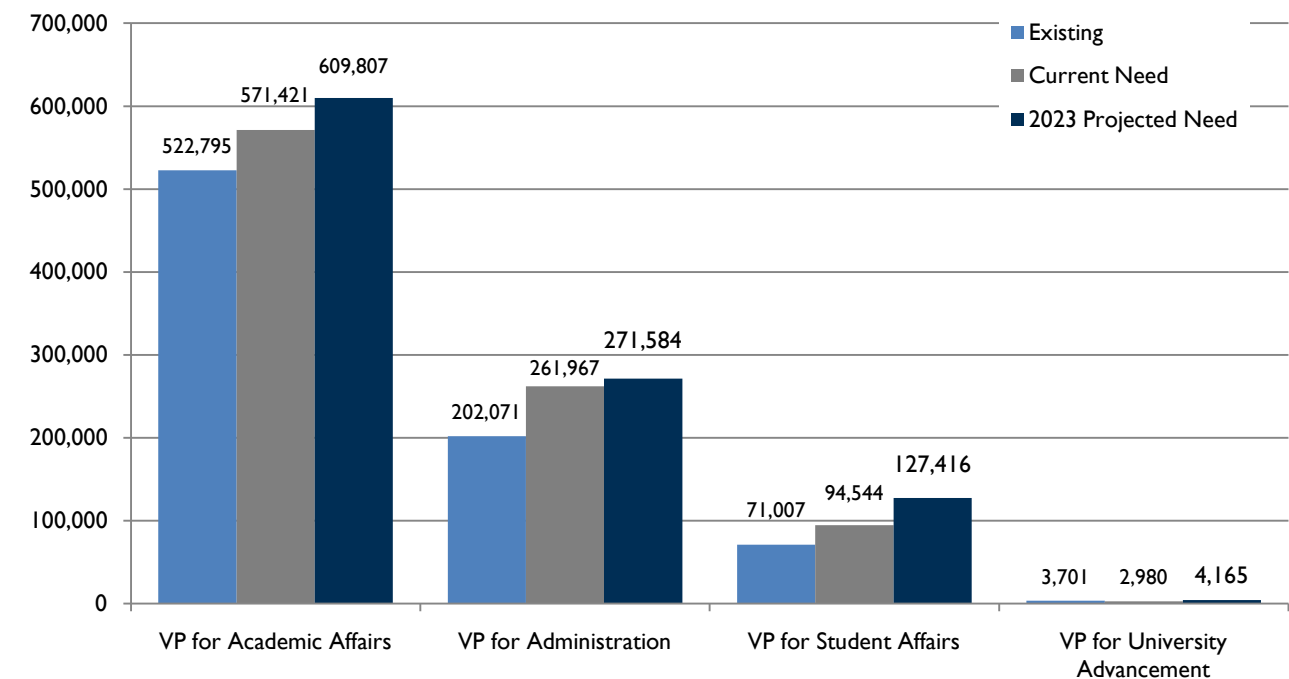


Figure D24:
Space Distribution by Division/Office/Department

Division/Office/Department	Notes
President's Office <i>Existing: 3,411</i> <i>Right-Sized: 2,745</i> <i>2023 Projected: 2,745</i>	<ul style="list-style-type: none"> The President's Office staff will grow by converting a part-time Affirmative Action Officer to full-time and adding a part-time staff person. The President's Office space in Fenton is carried as is, the assumption being that the personnel additions can be accommodated in the existing space 666 ASF lounge space in Houghton is not counted in these totals.
Academic Affairs <i>Right-Sized: 4,813</i> <i>2023 Projected: 8,785</i>	<p>A number of personnel are included in Academic Affairs; staff in offices that had no obvious home in the PSI listing. Included here, in addition to Academic Affairs, <i>per se</i>, are the following: Accreditation 2010, Center for Regional Advancement, Center for Regional Development, College of Arts & Sciences (Dean), Curriculum & Academic Support, FACE Center, Graduate Studies & Research, Honors Program, International Education Center, International Learning, OSCAR, Professional Development Center, Sport Mgmt & Exercise Science, SUNY Fredonia Ticket Office, and Women's Studies.</p> <ul style="list-style-type: none"> Space shown at the left is Office space only for the current 19.5 FTE staff and 5 FTE faculty, and the 34.5 FTE staff and 12.5 FTE faculty projected for 2023.
VP for Academic Affairs <i>Existing: 1,680</i> <i>Right-Sized: 1,680</i> <i>2023 Projected: 1,680</i>	<ul style="list-style-type: none"> Included in the above is space for the Vice President's Office. It is recommended that the space allocation not be changed. The current 1,680 ASF office space should provide sufficient room for growth from 2.0 to 3.5 FTE staff by 2023. 1,064 ASF lounge space in Fenton, Houghton, and Thompson is not counted in these totals.
College of Arts & Sciences	College of Arts & Sciences (Dean's) office space is included in Academic Affairs space above.
Biology <i>Existing: 30,818</i> <i>Right-Sized: 25,936</i> <i>2023 Projected: 28,672</i>	<ul style="list-style-type: none"> Existing Biology space is larger than the calculated amounts, e.g., office space (4,296 vs. 1,980 right-sized, and teaching lab (16,974 vs. 12,240 right-sized). Some of the excess may be due to PSI miscoding. Future growth principally driven by additional faculty. Move to new science facility will bring efficiencies. Some space in existing facilities will likely be retained after move.
Chemistry & Biochemistry <i>Existing: 18,342</i> <i>Right-Sized: 15,580</i> <i>2023 Projected: 17,048</i>	<ul style="list-style-type: none"> Apparent surfeit of office and teaching lab space, as in Biology. Again, there may be some PSI miscoding here. Research space is high relative to calculated (7,603 vs. 4,100 right-sized) as well. Two additional lines projected. Thus, growth by 2023. Move to new science facility will bring efficiencies.
Communication Disorders & Sciences <i>Existing: 6,172</i> <i>Right-Sized: 8,986</i> <i>2023 Projected: 9,901</i>	<ul style="list-style-type: none"> Program adds 1,000 ASF for Speech & Hearing clinic. (Dept. requests location in Thompson former daycare space.) Too-small offices need right-sizing. Space for CD Reimbursable (160 ASF also included here). Growth in faculty and staff accounts for increase at 2023.
Communications <i>Existing: 13,253</i> <i>Right-Sized: 15,445</i> <i>2023 Projected: 16,360</i>	<ul style="list-style-type: none"> 1,000 ASF is added for a Journalism laboratory to support new program. A good deal of current space—especially "Special Use"—is questionably coded. It was carried forward, but should be reviewed. Offices need right-sizing; average size is high at 158 ASF.
Computer & Information Sciences <i>Existing: 2,378</i> <i>Right-Sized: 4,341</i> <i>2023 Projected: 4,951</i>	<ul style="list-style-type: none"> Right-sizing Administrative Space will allow for meeting space if desired. Computer labs, if needed, can be provided from the campus-wide open lab pool. Would like to consolidate in Fenton. Program includes increased space for research.

Division/Office/Department	Notes
English <i>Existing: 6,091</i> <i>Right-Sized: 9,568</i> <i>2023 Projected: 10,850</i>	<ul style="list-style-type: none"> Includes right-sized offices with support (e.g., meeting room) space Space for requested reading room provided in office support or research space.
Geosciences <i>Existing: 12,870</i> <i>Right-Sized: 9,085</i> <i>2023 Projected: 9,675</i>	<ul style="list-style-type: none"> Offices right-sized; current average size is high at 227 ASF. laboratory space is reduced: contains a great deal of storage which may be adjusted upward given justification. Current research space about right for now and 2023.
History <i>Existing: 2,975</i> <i>Right-Sized: 6,718</i> <i>2023 Projected: 7,785</i>	<ul style="list-style-type: none"> Substantial increases in office space through right-sizing; average size is low at 108 ASF Increased research space (2,688 ASF) included in right-sized.
Mathematical Sciences <i>Existing: 4,961</i> <i>Right-Sized: 7,309</i> <i>2023 Projected: 8,834</i>	<ul style="list-style-type: none"> Some increase in office space through right-sizing. Increased research space. Laboratory space in campus pool.
Modern Languages & Literature <i>Existing: 4,012</i> <i>Right-Sized: 4,276</i> <i>2023 Projected: 5,496</i>	<ul style="list-style-type: none"> Right-sizing will reduce overall office space; average currently: 172 ASF. More research space provided. Lab space, not including Director's Office (miscoded), carried forward; additional, if needed, would come from campus open lab pool.
School of Music <i>Existing: 56,142</i> <i>Right-Sized: 64,924</i> <i>2023 Projected: 68,096</i>	<ul style="list-style-type: none"> Substantial increase in office space. More research space provided. Right-sizing results in reductions in Administrative Space and Student/Faculty Activity space* "Laboratory" facilities (studios, rehearsal rooms, etc.) show a modest increase, but PSI coding issues may be clouding the actual usage of these rooms, particularly the small practice rooms which may have been assigned to other uses, but not recoded in the PSI.
Philosophy <i>Existing: 1,525</i> <i>Right-Sized: 1,830</i> <i>2023 Projected: 1,830</i>	<ul style="list-style-type: none"> Somewhat less office space due to right-sizing; current average is 157 ASF. Increased research space.
Physics <i>Existing: 17,261</i> <i>Right-Sized: 12,133</i> <i>2023 Projected: 12,367</i>	<ul style="list-style-type: none"> Instructional lab space allocation decreased due to underutilization (10,107 vs. 7,592 right-sized). Office space reduced due to right-sizing. Research space (driven by FTE faculty count) is reduced, but may be justified at current level by nature of the labs involved.
Political Science <i>Existing: 2,350</i> <i>Right-Sized: 2,488</i> <i>2023 Projected: 3,363</i>	<ul style="list-style-type: none"> Reduction in office space (right-size) and increase in research space yields a slightly larger space than currently exists. A courtroom for Moot Court, which could be shared with others could come from one of the campus pools, depending on nature of the space (e.g., meeting, assembly, laboratory).
Psychology <i>Existing: 4,345</i> <i>Right-Sized: 8,435</i> <i>2023 Projected: 10,205</i>	<ul style="list-style-type: none"> Move classroom out of department inventory. Increase research space. Increase office space (right-size). If animal research is added, use space from research space pool.

Division/Office/Department	Notes
Sociology & Anthropology <i>Existing: 2,635</i> <i>Right-Sized: 4,655</i> <i>2023 Projected: 5,723</i>	<ul style="list-style-type: none"> Increase research space. Increase office space (right-size). More observation space available via research space; likewise Criminal Justice space.
Sport Mgmt & Exercise Science	<ul style="list-style-type: none"> New program. See Academic Affairs above.
Theatre & Dance <i>Existing: 59,647</i> <i>Right-Sized: 66,177</i> <i>2023 Projected: 67,551</i>	<ul style="list-style-type: none"> Some classroom space moved out of department (miscoded); 693 ASF remains Increase research space. Increase office space (right-size). Increased lab (studio) space to accommodate an additional dance studio and a CAD lab. Assembly space allocation unchanged from existing through 2023.
Visual Arts & New Media (& College of Visual and Performing Arts) <i>Existing: 37,437</i> <i>Right-Sized: 44,634</i> <i>2023 Projected: 46,746</i>	<ul style="list-style-type: none"> Increase research space. Decrease office space (right-size). Increased lab (studio) space. Assembly space allocation unchanged from existing through 2023. Projected 2023 figure includes 405 ASF for Administrative Facilities space to accommodate the offices of the <i>College of Visual and Performing Arts</i>. (College to be established by 2013.)
School of Business <i>Existing: 622</i> <i>Right-Sized: 280</i> <i>2023 Projected: 440</i>	<ul style="list-style-type: none"> Based on PSI for Current and staffing information only for Right-Sized and Projected. <p>General concerns based on interviews:</p> <ul style="list-style-type: none"> Need at least one "A" space for visiting speakers, etc. More corporate setting. Need more meeting spaces for workgroups, clubs, classes, etc. Could also be used for seminars. Three work-study + two clerical. Need storage. Need lounge/break room. Would like a "Trading Room."
Business Administration <i>Existing: 3,721</i> <i>Right-Sized: 6,578</i> <i>2023 Projected: 10,273</i>	<ul style="list-style-type: none"> Moved small classroom to campus-wide inventory Research space increased from 0 ASF to 2,375. Office space and Administrative space increased. Trading room could come from Research Space.
Economics <i>Existing: 1,190</i> <i>Right-Sized: 2,143</i> <i>2023 Projected: 2,905</i>	<ul style="list-style-type: none"> Research space increased from 0 ASF to 813, space replacing 190 ASF Laboratory space. Office space and Administrative space increased.
College of Education Dean's Office <i>Existing: 763</i> <i>Right-Sized: 1,135</i> <i>2023 Projected: 1,135</i>	<ul style="list-style-type: none"> Space shown for personnel only. Offices right-sized.
Education Departments <i>Existing: 9,584</i> <i>Right-Sized: 19,409</i> <i>2023 Projected: 22,404</i>	<p>PSI limitations resulted in all Education Offices and Departments (except the Dean's office) being listed together here (Curriculum & Instruction, Field Experiences, Language and Leadership, Office of Student Services, and Reading Clinic). Thus, 34.5 FTE Faculty and 4.5 administrative staff are contained in this category. Right-sizing the space will result in the following:</p> <ul style="list-style-type: none"> Laboratory space increases by approximately 4,400 ASF (Two labs added.) Faculty office space decreases by approximately 600 ASF Administrative office space increases by approximately 500 ASF Research space increases by approximately 3,800 ASF The increase in 2023 Projected ASF is personnel driven

Division/Office/Department	Notes
Curriculum & Instruction	See Education Departments above.
Field Experiences	See Education Departments above.
Language, Learning & Leadership	See Education Departments above.
Office of Student Services	See Education Departments above.
(Reading Clinic)	See Education Departments above for personnel. The clinic space, per se, (1.708 ASF) is carried forward.
Advising Center <i>Existing: 1,378</i> <i>Right-Sized: 610</i> <i>2023 Projected: 951</i>	<ul style="list-style-type: none"> a/k/a "Counseling/Academic Advising" (PSI) Based on office needs only. Right-sized offices to 610 ASF current need and 951 ASF in 2023 (1.5 FTE additional staff)
Arts Center <i>Existing: 766</i> <i>Right-Sized: 725</i> <i>2023 Projected: 725</i>	<ul style="list-style-type: none"> a/k/a "Fine Arts Activities" (PSI) Right-sized offices to 725 ASF current need and 725 ASF in 2023 removed 10 ASF (miscoded) laboratory space
Campus Assessment <i>Existing: 220</i> <i>Right-Sized: 0</i> <i>2023 Projected: 278</i>	<ul style="list-style-type: none"> Office currently has no staff. Thus, no space assigned. When staff members are in place—one staff (2013) and 0.5 FTE Faculty (2018)—278 ASF of Administrative Facilities (office) space will be needed.
Center for Regional Advancement (CRA)	• See Academic Affairs at top of table.
Curriculum & Academic Support	• See Academic Affairs at top of table.
Fredonia Academic Community Engagement (FACE) Center	<ul style="list-style-type: none"> See Academic Affairs at top of table. <p>Note based on interview:</p> <ul style="list-style-type: none"> Would like a location for office, even though FACE is staffed by faculty who have own offices. Office could be provided in Academic Affairs administrative space.
Graduate Studies & Research	<ul style="list-style-type: none"> See Academic Affairs at top of table. <p>Notes based on interview:</p> <ul style="list-style-type: none"> Would like to move offices to Maytum (Tracy Bennett), but current location in Fenton is convenient for evening students. [And, GS folks like the academic neighbors.] Need at least one additional staff member. Need grad student space within departments. Need storage for document requirements. Need common spaces for grad students (social, dining, etc.). Addressed through Student/Faculty activity allocations.
Honors Program	• See Academic Affairs at top of table.
Institutional Research/Planning	<ul style="list-style-type: none"> See Academic Affairs at top of table. Requested storage could be provided from Administrative Support space.
Interdisciplinary Studies	• See Academic Affairs at top of table.

G SPACE PLANNING PROJECTIONS

Division/Office/Department	Notes
International Education Center	<ul style="list-style-type: none"> See Academic Affairs at top of table.
International Learning	<ul style="list-style-type: none"> See Academic Affairs at top of table.
ITS-Information Tech <i>Existing: 2,922</i> <i>Right-Sized: 4,355</i> <i>2023 Projected: 4,855</i>	<ul style="list-style-type: none"> a/k/a "Computer Services" (PSI). This category contains all personnel in the ITS areas: 33 FTE staff currently, 37 FTE staff in 2023. Machine space (servers, etc.) in Central Services pool. <p>Notes based on interview:</p> <ul style="list-style-type: none"> Need off-site back-up & recovery. Dispersal of units inefficient—cannot share people. A conference room can be provided from administrative space
ITS-Academic Information Tech	<ul style="list-style-type: none"> See ITS-Information Technology above.
ITS-Administration	<ul style="list-style-type: none"> See ITS-Information Technology above.
ITS-Computer Programming	<ul style="list-style-type: none"> See ITS-Information Technology above.
ITS-Computing Services	<ul style="list-style-type: none"> See ITS-Information Technology above.
ITS-Data Communications	<ul style="list-style-type: none"> See ITS-Information Technology above.
Learning Center <i>Existing: 3,356</i> <i>Right-Sized: 6,260</i> <i>2023 Projected: 6,700</i>	<ul style="list-style-type: none"> Learning Center/Academic Support Services/Disabled Student Services: Expect growth. Increased laboratory space from 1,860 ASF to 2,000 ASF (Right-Sized and projected) Increased administrative support space from 1,496 ASF to 4,260 ASF (Right-Sized) and 4,700 (Projected)
Library <i>Existing: 61,928</i> <i>Right-Sized: 83,339</i> <i>2023 Projected: 86,536</i>	<ul style="list-style-type: none"> General Library space (collections, study, service, etc.) increases from 58,635 ASF to 80,499 ASF (Right-Sized) and 82,993 (Projected) Increased administrative support space from 2,091 ASF to 2,840 ASF (Right-Sized) and 2,840 (Projected) <p>Other issues, based on interview, which can be addressed within the expanded space allocations above</p> <ul style="list-style-type: none"> Space needs reconfiguration. Needs more faculty carrels. Need proper archival space. Has very little storage. Need out-of-sight storage. No exhibit space. No compact storage. Would like Learning Center on ground floor. Need 24/7 study room for 40, with restrooms & vending. Need a 35-seat, 24-station class/computer room for training. Need study rooms. (Have 2 @ 100 ASF.) Library has 800 seats, often full.
Lifelong Learning & Sp. Prog. <i>Existing: 3,012</i> <i>Right-Sized: 3,364</i> <i>2023 Projected: 3,364</i>	<ul style="list-style-type: none"> Includes staff offices/space only. Other issues based on interview: Need more space in a more public location, maybe in "Welcome Center."
Native American Consortium <i>Existing: 395</i> <i>Right-Sized: 535</i> <i>2023 Projected: 535</i>	<p>Notes based on interview:</p> <ul style="list-style-type: none"> Located in Thompson; desperately need storage space. Right-sized offices carry space that can be used for storage Need a social space for NA students. Added 250 ASF lounge space.
Office of Student Creative Activity and Research (OSCAR)	<ul style="list-style-type: none"> See Academic Affairs at top of table.

Division/Office/Department	Notes
Professional Development Center <i>Existing:</i> <i>Right-Sized:</i> <i>2023 Projected:</i>	<ul style="list-style-type: none"> See Academic Affairs at top of table. <p>Note based on interview:</p> <ul style="list-style-type: none"> Need a central location and informal, flexible gathering space for faculty, meeting room(s) and lounge space.
Registrar's Office <i>Existing: 3,597</i> <i>Right-Sized: 1,815</i> <i>2023 Projected: 2,065</i>	<ul style="list-style-type: none"> Not clear whether space in Reed Library will be kept. Allocations shown do not include it and represent space needs for offices only. Other needs are included in "current" space as Administrative Facilities. From the interviews, the following were learned: Will not return to Maytum. Will stay in library until other arrangements, probably Jewett, are made. Needs private spaces and more secure spaces. At least one office with a door. A common work area for Registrar/Transcripts/Advising would be ideal.
Sponsored Programs <i>Existing: 570</i> <i>Right-Sized: 1,270</i> <i>2023 Projected: 1,270</i>	<ul style="list-style-type: none"> a/k/a "Research Administration" and "Research Grants" (PSI) Space provided to accommodate growth, reception, files.
SUNY Fredonia Ticket Office	<ul style="list-style-type: none"> See Academic Affairs at top of table.
Administration	
VP Administration <i>Existing: 8,688</i> <i>Right-Sized: 5,613</i> <i>2023 Projected: 6,225</i>	<ul style="list-style-type: none"> a/k/a Administration & Management M&O (PSI). This category includes the following personnel: Accounting/Accounts Payable, VP Administration, Budget Office, CSEA Local 607, Payroll Services, Revenue Accounting, Univ Svcs-Administration, Univ Svcs-Park & Ride, Univ Svcs-Property Control, UUP Office. Included is space for current 24 FTE staff (3,173 ASF) and 31 FTE staff in 2023 (3,785 FTE). Includes 2,440 ASF in Central Service Facilities, carried forward.
Accounting/Accounts Payable	<ul style="list-style-type: none"> See VP Administration above.
Budget Office	<ul style="list-style-type: none"> See VP Administration above.
Environmental Health & Safety <i>Existing: 1,291</i> <i>Right-Sized: 1,291</i> <i>2023 Projected: 1,291</i>	<p>Note based on interview:</p> <ul style="list-style-type: none"> Current space (in McGinnies RH) is sufficient and is retained. Difference between "personnel" space (473 ASF) and total is included as Administrative Support space for meeting/training space, storage, etc.
Facilities Planning <i>Existing: 1,599</i> <i>Right-Sized: 850</i> <i>2023 Projected: 1,135</i>	<ul style="list-style-type: none"> Right-sized office space.
Human Resources <i>Existing: 1,398</i> <i>Right-Sized: 1,260</i> <i>2023 Projected: 1,260</i>	<ul style="list-style-type: none"> Does not include a training room. Based on interview Includes 500 ASF additional for: <ul style="list-style-type: none"> Storage space Kiosk for applications & check-in/out (for terminal-less emps.) Space for employees to review files while in view of staff.
Payroll Services	<ul style="list-style-type: none"> See VP Administration above.
Purchasing <i>Existing: 860</i>	<ul style="list-style-type: none"> Existing space adequate through 2023.

Division/Office/Department	Notes
<i>Right-Sized: 860</i> <i>2023 Projected: 860</i>	
Revenue Accounting	<ul style="list-style-type: none"> See VP Administration above.
Student Accounts <i>Existing: 3,234</i> <i>Right-Sized: 1,960</i> <i>2023 Projected: 2,165</i>	<ul style="list-style-type: none"> a/k/a "Student Billing and Cashiering" (PSI) Right-sized offices <p>Notes based on interview:</p> <ul style="list-style-type: none"> Scheduled to return to Maytum, 3rd floor, but like being in Williams. Additional 750 ASF for vault and reception.
Univ Services-Administration	<ul style="list-style-type: none"> See VP Administration above.
Univ Services-Cntrl/Mech Stores/Recv <i>Existing: 208</i> <i>Right-Sized: 510</i> <i>2023 Projected: 510</i>	<ul style="list-style-type: none"> Office space only for 4 FTE staff
Univ Services-Copy Center <i>Existing: 547</i> <i>Right-Sized: 547</i> <i>2023 Projected: 547</i>	<ul style="list-style-type: none"> Current space is maintained. Additional, if needed, available from Central Service Facilities.
Univ Services-Mail Services <i>Existing: 581</i> <i>Right-Sized: 581</i> <i>2023 Projected: 581</i>	<p>Notes based on interview:</p> <ul style="list-style-type: none"> Ideally all mail would go to Services Complex for distribution. Now goes to Maytum, except student mail goes to residence halls. Current space is maintained. Additional, if needed, available from Central Service Facilities.
Univ Services-Motor Vehicles <i>Existing: 4,637</i> <i>Right-Sized: 4,637</i> <i>2023 Projected: 4,637</i>	<p>a/k/a "Motorized Equipment Maintenance" (PSI)</p> <ul style="list-style-type: none"> Contains support space (60 ASF) for staff Remainder is Central Service Facilities and is held constant; could be increased from Central Service Facilities pool.
Univ Services-Park & Ride	<ul style="list-style-type: none"> See VP Administration above.
Univ Services-Property Control	<ul style="list-style-type: none"> See VP Administration above.
Fac Services-Administration <i>Existing: 1,465</i> <i>Right-Sized: 5,480</i> <i>2023 Projected: 6,880</i>	<ul style="list-style-type: none"> a/k/a "Custodial Services" (PSI). This category includes the following personnel: Fac Svcs-Administration, Fac Svcs-Capital Projects Energy, Fac Svcs-Custodial Services, Fac Svcs-Electrical, Fac Svcs-Grounds Lndscpng, Fac Svcs-Heating Services, Fac Svcs-Plumbing, Fac Svcs-Structural Trades. Included is support space for current 139 FTE staff (5,480 ASF) and 177 FTE staff in 2023 (6,880 FTE). Most of these staff work at various locations on campus. Shops, etc. would be in Central Services space.
Fac Services-Capital Projects Energy	<ul style="list-style-type: none"> See Fac Services-Administration above.
Fac Services-Custodial Services	<ul style="list-style-type: none"> See Fac Services-Administration above.
Fac Services-Electrical	<ul style="list-style-type: none"> See Fac Services-Administration above.
Fac Services-Grounds Lndscpng	<ul style="list-style-type: none"> See Fac Services-Administration above.
Fac Services-Heating Services	<ul style="list-style-type: none"> See Fac Services-Administration above.
Fac Services-Plumbing	<ul style="list-style-type: none"> See Fac Services-Administration above.
Fac Services-Structural Trades	<ul style="list-style-type: none"> See Fac Services-Administration above.

Division/Office/Department	Notes
Student Affairs	<p>Notes based on interview:</p> <ul style="list-style-type: none"> Need a facility of about 800 seats, between sizes of Williams and King. Williams needs: <ul style="list-style-type: none"> Movie theater Club spaces Meeting space Multicultural Center and International Ed offices (move them). Field house meets needs for commencement, but need two ceremonies.
VP Student Affairs <i>Existing: 2,232</i> <i>Right-Sized: 2,565</i> <i>2023 Projected: 2,850</i>	<ul style="list-style-type: none"> This category includes the following personnel: Campus Life, Student Affairs, Student Association. Included is office and support space for current 18.5 FTE staff (2,565 ASF) and 21 FTE staff in 2023 (2,850 FTE).
Admissions Office <i>Existing: 3,685</i> <i>Right-Sized: 3,860</i> <i>2023 Projected: 4,525</i>	<ul style="list-style-type: none"> Right-sized offices <p>Notes based on interview:</p> <ul style="list-style-type: none"> Need space to accommodate large groups, restrooms, and proper reception space. Added 1,200 ASF assembly space to right-sized space.
Athletics <i>Existing: 104,769</i> <i>Right-Sized: 103,665</i> <i>2023 Projected: 104,170</i>	<ul style="list-style-type: none"> a/k/a "Health and Physical Education" (PSI). Downward adjustment for right-sizing. <p>Notes based on interview:</p> <ul style="list-style-type: none"> Need offices for coaches. Some are part-time, one is paid by FSA for another job. Offices are right-sized and moved to Administrative Facilities rather than Departmental Facilities (faculty). Sports Management program needs office space. Space (180 ASF) is provided for 1 faculty member. Special Use space—the bulk of the program—including the 556 ASF previously carried as Laboratory, is carried forward pending a thorough analysis of PE and Athletics space. 78 ASF classroom moved to Campus-wide Facilities. No team lockers. Fitness Center much too small and is shared by Athletics. Gym floor issues might be solved by expanding Dods gym from 600 to 800 or so. Would /convert Dance studio to offices if DS relocated to Rockefeller. Storage space is a critical issue across all Ath. facilities; equipment all over. Old Pool (128) being converted to multipurpose space.
Campus Life	<ul style="list-style-type: none"> See VP Student Affairs above. <p>Notes based on interview:</p> <ul style="list-style-type: none"> 135-140 student organizations w/ 3,500 events a year. Need a performance venue of 750-800 seats. Need more office/storage/meeting space for student organizations.
Student Union <i>Existing: 36,106</i> <i>Right-Sized: 50,000</i> <i>2023 Projected: 50,000</i>	<ul style="list-style-type: none"> See VP Student Affairs above. <p>The ASF shown represent Student Activity Space only, i.e., not offices or other spaces. Space to address the needs mentioned in the paragraph just above, among others.</p> <p>Student Union space is normally programmed at 10 ASF per student (headcount). Thus, the campus should have 57,750 ASF now and 60,000 ASF in 2023. The proposed program allocates 50,000 ASF for both current and 2023 projected. The difference is made up in the 20,000 ASF allocated for the multipurpose room, on the assumption that about half of that space will be, on average, devoted to student activities. (See General Use space section above.)</p>

G SPACE PLANNING PROJECTIONS

Division/Office/Department	Notes
Career Development Office <i>Existing: 2,448</i> <i>Right-Sized: 2,858</i> <i>2023 Projected: 3,238</i>	<ul style="list-style-type: none"> Total right-sized contains office space for 5.5 FTE currently and 7.5 FTE projected, plus 2,000 ASF resource space. <p>Notes based on interview:</p> <ul style="list-style-type: none"> No real interview room; do everything in one room, including lunch. Need a proper space for web interviewing. Need six offices (two more). Need better space for secure file storage.
Counseling Center <i>Existing: 1,332</i> <i>Right-Sized: 980</i> <i>2023 Projected: 1,360</i>	<ul style="list-style-type: none"> a/k/a "Student Counseling" PSI Offices right-sized for 6 FTE staff currently and 8 FTE staff in 2023. Note based on interview: There is a need for a space to provide confidential services on campus.
Center for Multicultural Affairs <i>Existing: 407</i> <i>Right-Sized: 320</i> <i>2023 Projected: 445</i>	<ul style="list-style-type: none"> Offices right-sized for 2.5 FTE staff currently and 3.5 FTE staff in 2023. Note based on interview: Currently in Thompson, but would rather be in Williams Center (or Jewett, eventually).
Educational Development Program (EOP) <i>Existing: 1,265</i> <i>Right-Sized: 1,750</i> <i>2023 Projected: 1,940</i>	<ul style="list-style-type: none"> Sum of "EOP Administration" and "EOP Tutoring" in PSI. Offices right-sized for 4 FTE staff currently and 5 FTE staff in 2023. Maintains current computer lab and adds 500 ASF for lounge/tutoring space. <p>Notes based on interview:</p> <ul style="list-style-type: none"> More file space. Poor office arrangement, along hallway. Would like lounge/study space for EDP students.
Financial Aid <i>Existing: 4,151</i> <i>Right-Sized: 2,140</i> <i>2023 Projected: 2,520</i>	<ul style="list-style-type: none"> Offices right-sized for 6 FTE staff currently and 8 FTE staff in 2023. <p>Notes based on interview:</p> <ul style="list-style-type: none"> Will move back to Maytum, but eventually move to central location, probably Jewett. Need more professionals (more offices, 8 or 9 more; or at least 2 more). Need "confidential" offices or arrangements for clericals working in reception area. Need reception space and waiting room. Need secure file space.
Health Center <i>Existing: 3,402</i> <i>Right-Sized: 4,096</i> <i>2023 Projected: 4,415</i>	<ul style="list-style-type: none"> Offices right-sized for 7.5 FTE staff currently and 9.5 FTE staff in 2023. Right-sized "Medical" space calculated at 3,091 ASF (plus offices, 1,005 ASF). Existing: 2,748 and 654 ASF, respectively. Projected "Medical" space calculated at 3,160 ASF (plus offices, 1,255 ASF). <p>Notes based on interview:</p> <ul style="list-style-type: none"> Need a f-t counselor and a Health Educator. Issues of confidentiality—need a second entrance/waiting room. Need additional exam room. Birth Control Info. Center has poor space. In other locations after hours. Records room in bathroom. (Several hosp. rooms have been converted to other uses. LoGrasso used to be an actual infirmary.) Could use an isolation space for patients. Could make good use of space occupied by Int'l Ed. If they moved to central location.

Division/Office/Department	Notes
Residence Life-Housing <i>Existing: 3,384</i> <i>Right-Sized: 3,384</i> <i>2023 Projected: 3,384</i>	<ul style="list-style-type: none"> a/k/a "Res Hall-Admin & Mgmt M&O" (PSI) Existing space is in the residence halls and is, thus, outside the scope of this analysis. Space shown is administrative space for Residence Directors. Planning to add 200-300 additional beds to maintain 50% student residency. Will add apartment-style units. If all RH's were air conditioned, more summer programming could be accommodated. Would like their office spaces back. Increased density in suites has taken common areas and led to increased use of bathrooms. Need lounge space in halls that have lost living rooms. Need storage space in the buildings. Would like computer labs and printers back in the buildings. Would like lounge space for Veterans. Getting more requests for singles, esp. "medical" singles.
University Police <i>Existing: 2,569</i> <i>Right-Sized: 4,115</i> <i>2023 Projected: 4,365</i>	<ul style="list-style-type: none"> a/k/a "Security and Safety" (PSI) Offices right-sized for 15 FTE staff currently and 17 FTE staff in 2023. Added 2050 ASF to calculated, right-sized Administrative Facilities (office support) space of 2,065 ASF in light of the following: <p>Notes based on interview:</p> <ul style="list-style-type: none"> Space in Gregory is very tight; should be twice as big. Need three interview rooms and five offices, one for each supervisor + Chief. Need a briefing/conference room. Evidence room is outside of UP area. Need larger video-monitoring space. Like central location.
Student Association	<ul style="list-style-type: none"> See VP Student Affairs above. <p>Notes based on interview:</p> <ul style="list-style-type: none"> Need club space, office space for other-than-SGA, meeting space. Frequently need rooms with 30-50 seats.
SUNY Athletic Conference <i>Existing: 0 showing in PSI</i> <i>Right-Sized: 395</i> <i>2023 Projected: 395</i>	<ul style="list-style-type: none"> Office space only for 2.5 FTE Staff.
University Advancement	
VP University Advancement <i>Existing: 3,701</i> <i>Right-Sized: 2,980</i> <i>2023 Projected: 4,165</i>	<ul style="list-style-type: none"> a/k/a "College Affairs" (PSI) This category includes the following personnel in addition to University Advancement staff, <i>per se</i>: University Advancement, Print Shop, and Public Relations. Offices right-sized for 19 FTE staff currently and 27 FTE staff in 2023. Additional 250 ASF has been added for a conference room and another 250 ASF for storage. (Coding issue; space carried as laboratory and student/faculty activity space on PSI.) <p>Notes based on interview:</p> <ul style="list-style-type: none"> Need a large multipurpose venue to accommodate 1,200+, e.g. for Scholar's Breakfast). Campus needs true field house for large gatherings, with food service capabilities, catering, storage, on-site tables and chairs. Welcome Center has been discussed—much needed.
Alumni Affairs	<ul style="list-style-type: none"> Office (Administrative Facilities) space only.

Division/Office/Department	Notes
<i>Existing: 605 Right-Sized: 420 2023 Projected: 610</i>	Notes based on interview: <ul style="list-style-type: none"> Alumni House is owned by FSA and rented to campus. Excellent facility.
Print Shop	<ul style="list-style-type: none"> See VP University Advancement above Notes based on interview: <ul style="list-style-type: none"> Currently in Gregory, but may move to Services Complex.
Public Relations	<ul style="list-style-type: none"> See VP University Advancement above
Publication Services <i>Existing: 1,620 Right-Sized: 800 2023 Projected: 800</i>	<ul style="list-style-type: none"> Offices right-sized for 3 FTE staff currently, and 4 FTE in 2023. Space augmented due to nature of work.
Buster Brown Bean Company	See Faculty-Student Association below
Campus and Community Child Care <i>Existing: (3,626 -- Thompson Hall facility) Right-Sized: (10,507 New Building) 2023 Projected: 10,507</i>	<ul style="list-style-type: none"> In process of moving out of Thompson to new facility. 3,626 ASF Thompson space carried forward in program as place-holder.
All	N.A.
Office	N.A.
PreSchool	N.A.
School Age	N.A.
Summer Camp	N.A.
UPK Extension	N.A.
Credit Union <i>Existing: 0 showing in PSI Right-Sized: 880 2023 Projected: 943</i>	<ul style="list-style-type: none"> Office space only; right-sized for 6 FTE staff currently, and 6.5 FTE in 2023. Notes based on interview: <ul style="list-style-type: none"> Will stay in Williams Center.
Foundation <i>Existing: 0 showing in PSI Right-Sized: 665 2023 Projected: 1,218</i>	<ul style="list-style-type: none"> Calculated Administrative Facilities (Office) space only. Notes based on interview: Foundation House very cramped, not ADA accessible. PR materials (printing, etc) are not in same building as head office – they are located in Fenton Hall. Offices would ideally be located very near to President’s office. Would like to see PR offices out of Foundation House.
Faculty-Student Association <i>Existing: 47,840 Right-Sized: 47,840 2023 Projected: 47,840</i>	<ul style="list-style-type: none"> Category includes all of the following subtitles, Bookstore-University Commons Office, and the Buster Brown Bean Co. Having no basis on which to modify it, this space is carried through to 2023. The notes below suggest that more storage space be sought for the University Commons food service and bookstore operations. Interview indicated that there was enough food-service space on campus, but that student preferences were over-burdening the Cranston Marché venue relative to the Erie Dining Hall. Interview notes: <ul style="list-style-type: none"> Would like to have food venues in Thompson (high density) and Rockefeller (for events). Like office location in Gregory next to Residence Life; good combo.

Division/Office/Department	Notes
Bookstore	<ul style="list-style-type: none"> Needs more storage space in rear.
Catering Kitchen	
Centre Pointe (Food)	<ul style="list-style-type: none"> In Williams Center. Currently provides about 45% of food service.
College Lodge	<ul style="list-style-type: none"> Off campus retreat house.
Commissary	<ul style="list-style-type: none"> In Commons. Business has been very good—need more space for food items. 20% of food points go through here.
Cranston Marche (Food)	<ul style="list-style-type: none"> Currently providing about twice the services it was designed for.
Erie Dining Hall	<ul style="list-style-type: none"> Can handle more business; probably up to the 6,000 enrollment number. Students prefer Commons.
Office	<ul style="list-style-type: none"> In Gregory—a good place for them.
Starbucks	
UC Cash Control Office	
University Commons Office	<ul style="list-style-type: none"> Commons is very short of storage.
Miscellaneous	
Accreditation 2010	<ul style="list-style-type: none"> Need accessible storage space for accreditation/certification materials which will allow continual updating. Perhaps in conjunction with Inst. Research. Space could be carved from administrative office space.
Center for Regional Development	<ul style="list-style-type: none"> See VP Academic Affairs above
CSEA Local 607	<ul style="list-style-type: none"> See VP Administration above.
UUP Office	<ul style="list-style-type: none"> See VP Administration above.
WNY Chamber Orchestra <i>Existing: 0 showing in PSI Right-Sized: 253 2023 Projected: 253</i>	<ul style="list-style-type: none"> Provides office space only for 1.5 FTE staff.
Women's Studies	<ul style="list-style-type: none"> See VP Academic Affairs above

Figure D25:
Offices Moved from Maytum Hall

Office	Building
Academic Affairs Office	Reed Library
Accounting	Modular Offices
Administration	Modular Offices
Budget Office	Modular Offices
Credit Union	Williams Center
Dean of Arts/Humanities	Reed Library
Dean of Education	Reed Library
Dean of Natural/Social Sciences	Reed Library
Financial Aid	Williams Center
Human Resources	Modular Offices
Institutional Research/Planning	Fenton Hall
Internal Control	Modular Offices
ITS Administration	Reed Library
ITS Computing Services	Remains in Maytum 116
ITS Data Communications	Reed Library
Mail Services	Modular Offices
Payroll Services	Modular Offices
Property Control	Modular Offices
Purchasing	Modular Offices
Registrar	Reed Library
Revenue Accounting	Williams Center
Student Accounts	Williams Center
Student Affairs	Gregory Hall
Student Payroll	Modular Offices
University Services	Modular Offices

Figure D26:
Space to be Added by Projects

Building	Size (ASF)
Mason Hall Rehearsal Rooms	8,000
Science Technology Building	54,188
Day Care	10,507
Rockefeller Arts Addition (est)	60,000
Admissions Center (est)	6,000
Total Campus Additions	138,695

New Spaces Proposed

As noted above, most of the proposed changes are in generic space types (instructional labs, research space, office space, etc.). In a few cases, based on the interviews held, new additional spaces are recommended. In summary, including support space, these are To meet current needs, in no particular order:

- Additional Speech and Hearing Clinic space (1,000 + 300 support = 1,300 ASF)
- Two Education laboratory spaces (1,900 plus 600 support = 2,500 ASF)
- New multipurpose space (20,000 ASF)
- Dean's Office for the new College of Visual and Performing Arts (405 ASF)
- Journalism laboratory space for new program in Communications (1,000 plus 300 support = 1,300 ASF)
- Additional Dance Studio (2,000 plus 600 support = 2,600 ASF) and a CAD laboratory for Theatre Arts (1,000 plus 300 support = 1,300 ASF)
- Visual Arts laboratory for Visual Arts and New Media: 1,450 plus 450 support = 1,900 ASF
- Assembly area for Admissions (1,200 ASF)
- To meet future needs:
- Auditorium to seat 800 (30,000 ASF), added in 2013.

Other Changes

The description of space use on the SUNY Fredonia campus is somewhat complicated by the fact that the campus was undergoing or preparing for substantial facilities changes as this study was being conducted. Chief among the projects: Maytum Hall, the primary administration building, was being renovated. In order to accomplish the work, Maytum had been virtually emptied. The only remaining occupied space (about 2,900 ASF) was used by Computer Services on the ground floor of the approximately 27,000 ASF building. The other offices have been temporarily, since Summer, 2009, located in various other campus buildings as shown in the table D25.

Perhaps not surprisingly, some of the offices report finding their new temporary locations better suited to their operations than their former locations in Maytum. The offices requiring the greatest student interaction (e.g., the registrar in Reed Library, and Financial Aid and Student Accounts in the Williams Center) feel that they are better located near the major student traffic flows on campus. For the purposes of the current analysis, which is based on the current

Physical Space Inventory, the assumption is that the currently dislocated offices and functions, except for the Registrar, will be returning to their former locations in Maytum Hall. Current thinking is that the Registrar will move to a more central location eventually, perhaps Jewett Hall. Recommendations regarding possible changes will be discussed in the following chapter.

A second major change underway on campus was the addition of a New Science Building (NSB). The NSB, currently in design, will provide space, approximately 55,000 ASF, in support of the Biology, Chemistry, Geosciences, Science Education, and Environmental Science programs; programs now principally located in Houghton and Jewett Halls. In addition to departmental labs and offices, the building will include two classrooms, a lecture hall, and several shared support spaces.

Moves to the NSB will leave vacated space in Houghton and Jewett Halls that can then be made available for other programs and functions. A discussion of specific recommendations regarding the vacated space will be addressed in the next chapter, but the location of Jewett Hall near the center of the campus has many on-campus voices raised in support of its use for student services and activities.

A third development affecting space planning was the construction of a new building to house the campus child care center. The center had occupied 3,626 ASF in Thompson Hall, primarily a classroom and faculty office building, but has, at the time of this writing, been relocated to its new building. Some of the academic departments in Thompson work with children in educational and/or clinical settings and are keenly interested in the space. The space is quite precious, located as it is in a very crowded academic building which is pressed for virtually all kinds of space from offices to storage.

The fourth project currently underway was the addition to the Mason complex of two new rehearsal spaces along with support space. This will provide much-needed practice space for the Music program.

Also on the drawing board: (1) a new apartment-style residence complex, (2) an Admissions and Visitors Center, (3) an addition to the Rockefeller Arts Center, possibly providing an indoor physical connection to the music facilities in Mason, and (4) a conversion of space in Dods Hall to provide a new fitness center, and (5) modifications to the "Spine" and its connection to the Williams Center to provide a sheltered, "coatless" connection to the Reed Library and McEwen Hall.

The following table summarizes the space that is estimated to be added by these changes. If all of these additions are realized at the listed sizes, the size of the campus afterward can be calculated:

$$\text{Existing (804,499 ASF)} + 138,695 \text{ ASF} = 943,194 \text{ ASF}$$

Thus, an increase of 17.2%. That would erase the current deficit relative to right-sized space (934,377 ASF) and leave a space deficit of 73,432 ASF relative to the 2023 projected space need.

The realization of the campus as envisioned in this plan will increase the space on campus from 142 to 173 ASF/Student. This increase is put into perspective by the graph shown below. Assuming that the other SUNY comprehensive universities will also grow, Fredonia will fit well among its peers. As illustrated in Figure D27.

Current Projects and Space Distribution

The description of space use on the SUNY Fredonia campus is somewhat complicated by the fact that the campus was undergoing or preparing to undergo substantial changes as this study was being conducted.

New Science Building

A major change underway on campus was the addition of a New Science Building (NSB). The NSB, currently in design, will provide space, approximately 55,000 asf, in support of the Biology, Chemistry, Geosciences, Science Education, and Environmental Science programs; programs now principally located in Houghton and Jewett Halls. In addition to departmental labs and offices, the building will include two classrooms, a lecture hall and several shared support spaces.

Moves to the NSB will leave vacated space in Houghton and Jewett Halls that can then be made available for other programs and functions. A discussion of specific recommendations regarding the vacated space will await the Space Planning section, but the location of Jewett Hall near the center of the campus has many on-campus voices raised in support of its use for student services and activities.

Maytum Hall Renovation

Chief among the projects is the renovation of Maytum Hall, the primary administration building. In order to accomplish the work, Maytum had been virtually emptied. The only remaining occupied space (about

2,900 ASF) was used by Computer Services on the ground floor of the approximately 27,000 ASF building. The other offices have been temporarily, since Summer, 2009, located in various other campus buildings as shown in the Table D28 on the next page.

Perhaps not surprisingly, some of the offices report finding their new temporary locations better suited to their operations than their former locations in Maytum. The offices requiring the greatest student interaction (e.g., the registrar in Reed Library, and Financial Aid and Student Accounts in the Williams Center) feel that they are better located near the major student traffic flows on campus. For the purposes of the current analysis, which is based on the current Physical Space Inventory, the assumption is that the currently dislocated offices and functions will be returning to their former locations in Maytum Hall. Recommendations regarding possible changes will be discussed in the Space Planning section.

Campus Child Care Center

A third development affecting space planning was the construction of a new building to house the campus child care center. The center currently occupies 3,626 asf in Thompson Hall, primarily a classroom and faculty office building. Some of the academic departments in the building work with children in educational and/or clinical settings and are keenly interested in the space. The space is quite precious, located as it is in a very crowded academic building which is pressed for virtually all kinds of space from offices to storage.

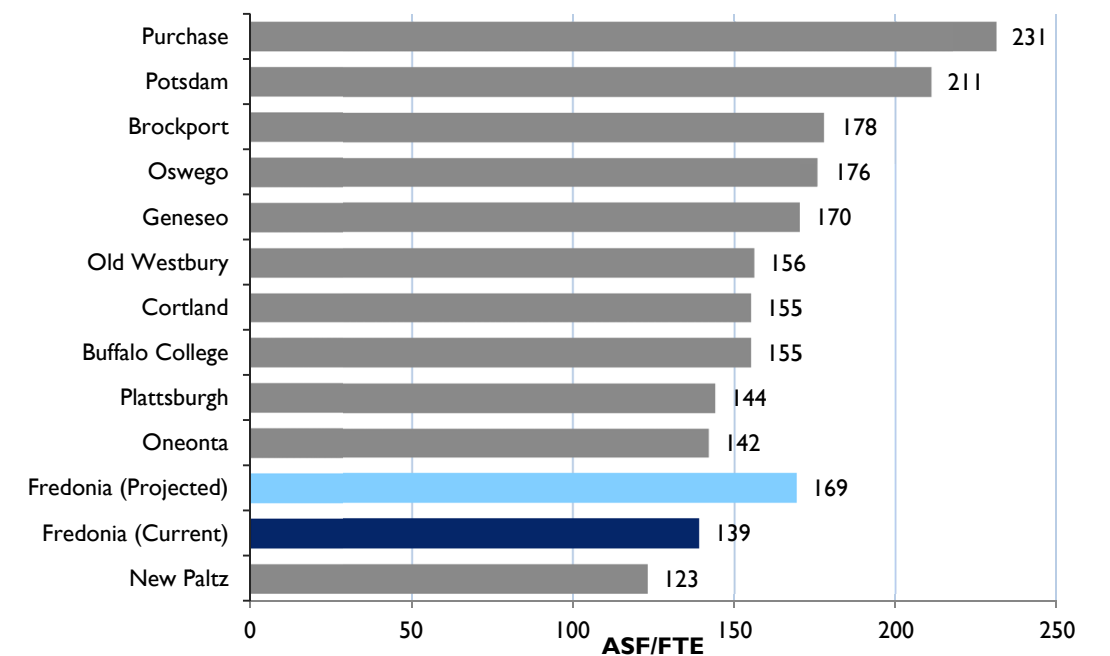
Mason Hall Rehearsal Spaces

The fourth project currently underway was the addition to the Mason complex of two new rehearsal spaces a long with support space. This will provide much-needed additional space for the Music program.

Other Projects Currently in Design

- a new apartment-style residence complex
- an Admissions and Visitors Center
- an addition to the Rockefeller Arts Center, possibly providing an indoor physical connection to the music facilities in Mason
- a conversion of space in Dods Hall to provide Dance studio space, and
- modifications to the "Spine" and its connection to the Williams Center to provide a sheltered, "no-coats" connection to the Reed Library and McEwen Hall.

Figure D27:
SUNY Fredonia Campus ASF/FTE Compared to SUNY Peer Institutions Excluding Residential Space



H. Appendix: Table of Contents

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General - Purpose Classrooms < 75

Building	Room	Room ASF	# Seats	SF per Station	% Seats	% Hours	Title
Dods Hall	101				70%		Intro Except Learner-ADOL
Dods Hall	101	572	37	15.5	76%		Physiology of Sport/Exercise
Dods Hall	101				89%		Human Anatomy for Exercise Sci
Dods Hall	101				92%		Educational Psychology-ADOL
Dods Hall	101				65%		Exercise Prescription
Dods Hall	101				81%		Contemporary American Lit
Dods Hall	101				49%		English Composition
Dods Hall	101				68%		African Amer Hist since 1877
Dods Hall	101				89%		SPTP: Business of the Beatles
Dods Hall	101				100%		Leadership&Managment in Sport
Dods Hall	101				95%		Introduction to Social Work
Dods Hall	101				81%		Globalization
Dods Hall	101				38%		Product & Oper Management II
101 Total		572	37	15.5	76%	83%	
Dods Hall	102				83%		Globalization
Dods Hall	102				71%		Globalization
Dods Hall	102	552	35	15.8	89%		Pre-Internship
Dods Hall	102				86%		Event Management
Dods Hall	102				100%		World History II
Dods Hall	102				94%		World History II
Dods Hall	102				71%		New Media Writing
Dods Hall	102				69%		Literacy in the Content Areas
Dods Hall	102				37%		Champs/Lifeskills
Dods Hall	102				91%		Statistical Methods I
Dods Hall	102				69%		Economics of Sport
Dods Hall	102				71%		Honors Sem CCC: Western Civ
Dods Hall	102				66%		Critical Reading
102 Total		552	35	15.8	77%	84%	
Dods Hall Total		1,124	72	15.6	76%		
Fenton Hall	108				16%		Senior Seminar
Fenton Hall	108				74%		Intro to Contemporary Math Ed
Fenton Hall	108	910	43	21.2	58%		Math for School Teachers I
Fenton Hall	108				53%		Math for School Teachers I
Fenton Hall	108				70%		Math for School Teachers I
Fenton Hall	108				72%		Math for School Teachers I
Fenton Hall	108				95%		Mathematics in Action
Fenton Hall	108				67%		Math for School Teachers II
Fenton Hall	108				47%		Math for School Teachers II
Fenton Hall	108				16%		Math Tutoring in the Community
Fenton Hall	108				16%		Senior Seminar
Fenton Hall	108				44%		Math for School Teachers III
Fenton Hall	108				93%		Mathematics in Action
Fenton Hall	108				98%		Mathematics in Action
Fenton Hall	108				86%		Secondary Schl Methods in Math
108 Total		910	43	21.2	60%	83%	
Fenton Hall	153				62%		Information Systems Structures
Fenton Hall	153				21%		Combinatorics
Fenton Hall	153	771	47	16.4	85%		Mathematics in Action
Fenton Hall	153				34%		University Precalculus
Fenton Hall	153				100%		Principles of Microeconomics
Fenton Hall	153				100%		Principles of Microeconomics
Fenton Hall	153				77%		Minority Groups
Fenton Hall	153				51%		English Major: An Introduction
Fenton Hall	153				43%		Intensive Spanish Grammar
Fenton Hall	153				74%		World History I

Building	Room	Room ASF	# Seats	SF per Station	% Seats	% Hours	Title
Fenton Hall	153				77%		World History I
Fenton Hall	153				77%		Statistical Ideas
Fenton Hall	153				49%		Introduction to Counseling
Fenton Hall	153				85%		Production & Oper Management I
Fenton Hall	153				87%		Production & Oper Management I
153 Total		771	47	16.4	68%	97%	
Fenton Hall	154				71%		Sp Tp: Mus Mrktng/Promotion
Fenton Hall	154	601	35	17.2	100%		Math Structures and Proof
Fenton Hall	154				100%		Cognitive Psychology
Fenton Hall	154				31%		Financial Investments
Fenton Hall	154				57%		Math Structures and Proof
Fenton Hall	154				80%		Epic and Romance
Fenton Hall	154				60%		Russian Literature
Fenton Hall	154				51%		Mathematics First-Year Seminar
Fenton Hall	154				100%		Philosophical Inquiry
Fenton Hall	154				94%		Life and Death
Fenton Hall	154				89%		Rhetoric Visn Sound COMM MJRS
Fenton Hall	154				80%		Elementary French I
Fenton Hall	154				23%		Secondary Sch Meth-MFL
154 Total		601	35	17.2	72%	81%	
Fenton Hall	158				81%		Drama and Film
Fenton Hall	158				35%		French Plays and Prose
Fenton Hall	158				73%		University Calculus I
Fenton Hall	158				65%		Data Comm and Networks I
Fenton Hall	158				65%		American Constitutional Law
Fenton Hall	158				92%		American Constitutional Law
Fenton Hall	158				97%		Managerial Finance
Fenton Hall	158				100%		Managerial Finance
Fenton Hall	158	642	37	17.4	78%		Marxist Thought
Fenton Hall	158				95%		Human Happiness
Fenton Hall	158				89%		Elementary Italian I
Fenton Hall	158				81%		Money/Banking/Monetary Econ
Fenton Hall	158				54%		Systems Programming
Fenton Hall	158				92%		Philosophical Inquiry
Fenton Hall	158				19%		Women and Film
Fenton Hall	158				24%		Women and Film
158 Total		642	37	17.4	71%	103%	
Fenton Hall	159				88%		American Politics
Fenton Hall	159				83%		Mathematics in Action
Fenton Hall	159	790	48	16.5	71%		Survey of Calculus I
Fenton Hall	159				75%		Survey of Calculus I
Fenton Hall	159				67%		Prize-Winning Mathematics
Fenton Hall	159				69%		Prize-Winning Mathematics
Fenton Hall	159				77%		Survey of Calculus I
Fenton Hall	159				71%		Latin America: Rev & Reform
Fenton Hall	159				73%		Latin America: Rev & Reform
Fenton Hall	159				56%		University Calculus I
Fenton Hall	159				52%		Introduction to Sign Language
Fenton Hall	159				77%		Speech-Language Pathology II
Fenton Hall	159				85%		Mathematics in Action
Fenton Hall	159				29%		Secondary SS Teaching Methods
Fenton Hall	159				88%		Computer Science Overview
159 Total		790	48	16.5	71%	93%	

H APPENDICES

Building	Room	Room ASF	# Seats	SF per Station	% Seats	% Hours	Title
Fenton Hall	164				93%		Marketing Foundations
Fenton Hall	164				88%		Marketing Foundations
Fenton Hall	164	756	43	17.6	26%		Child Development
Fenton Hall	164				49%		Intermediate Real Analysis
Fenton Hall	164				60%		SPTP:Atlantic World
Fenton Hall	164				72%		Abnormal Psychology
Fenton Hall	164				91%		University Calculus III
Fenton Hall	164				60%		Using Ed Research/Improve Inst
Fenton Hall	164				65%		University Calculus I
Fenton Hall	164				84%		Western Civilization I
Fenton Hall	164				77%		Survey of Calculus I
Fenton Hall	164				72%		Music Contracts
	164 Total	756	43	17.6	70%	75%	
Fenton Hall	166				16%		Tchg Writing in Secondry Sch
Fenton Hall	166				28%		Intermediate French II
Fenton Hall	166	750	32	23.4	59%		English Composition
Fenton Hall	166				69%		Novels and Tales
Fenton Hall	166				75%		Novels and Tales
Fenton Hall	166				78%		Intermediate Spanish I
Fenton Hall	166				75%		Intermediate Spanish I
Fenton Hall	166				56%		Script Wrtng Video/Film/Radio
Fenton Hall	166				63%		English Composition
Fenton Hall	166				19%		Rdngs & Observ Engr Adol Ed
Fenton Hall	166				38%		Honors Sem CCC:Natural Science
Fenton Hall	166				88%		Drama and Film
Fenton Hall	166				84%		Elementary French II
Fenton Hall	166				78%		Lit/Lang/Lrnng Thry CH/EC ENGL
Fenton Hall	166				41%		Lit/Lang/Lrnng Thry CH/EC ENGL
Fenton Hall	166				69%		Craniofacial Anomalies
	166 Total	750	32	23.4	58%	103%	
Fenton Hall	168				35%		Intro Readings in Hispanic Lit
Fenton Hall	168				10%		French Conversation
Fenton Hall	168				58%		Honors Sem CCC:Natural Science
Fenton Hall	168				58%		University Calculus II
Fenton Hall	168				104%		Mass Media and Society
Fenton Hall	168				71%		Western Civilization II
Fenton Hall	168				42%		Form and Theory of Writing
Fenton Hall	168				69%		United States History I
Fenton Hall	168				21%		French Composition
Fenton Hall	168	828	48	17.3	88%		Principles of Microeconomics
Fenton Hall	168				92%		Principles of Microeconomics
Fenton Hall	168				73%		Survey of Calculus I
Fenton Hall	168				92%		American Politics
Fenton Hall	168				90%		American Politics
	168 Total	828	48	17.3	64%	90%	
Fenton Hall	170				105%		Computer Science Overview
Fenton Hall	170	685	41	16.7	85%		Child Development
Fenton Hall	170				49%		English Composition
Fenton Hall	170				83%		Statistics for Scientists
Fenton Hall	170				95%		Managerial Finance
Fenton Hall	170				68%		Communication Law and Ethics
Fenton Hall	170				88%		Corporate Finance I
Fenton Hall	170				73%		Reading/Writing Mathematics
Fenton Hall	170				49%		Adolescent Lit ADOL ED-ENGL
Fenton Hall	170				76%		Survey of Calculus I
Fenton Hall	170				80%		Survey of Calculus II

Building	Room	Room ASF	# Seats	SF per Station	% Seats	% Hours	Title
Fenton Hall	170				105%		Computer Science Overview
Fenton Hall	170				95%		Computer Science Overview
Fenton Hall	170				56%		African Amer Hist since 1877
Fenton Hall	170				22%		Asian American History
	170 Total	685	41	16.7	75%	97%	
Fenton Hall	174				90%		Introduction to Film
Fenton Hall	174	480	29	16.6	76%		World Poetry
Fenton Hall	174				69%		Spanish in Action: In-Class
Fenton Hall	174				59%		Spanish in Action: In-Class
Fenton Hall	174				83%		Lit for Intermediate Grades
Fenton Hall	174				72%		Spanish in Action: In-Class
Fenton Hall	174				76%		Spanish in Action: In-Class
Fenton Hall	174				90%		Introduction to Film
Fenton Hall	174				24%		Survey of Calculus III
Fenton Hall	174				86%		Comm Research & Survey Methods
Fenton Hall	174				90%		Software Engineering
Fenton Hall	174				90%		Drama and Film
Fenton Hall	174				83%		Drama and Film
Fenton Hall	174				86%		Assembly Lang/Computer Org
Fenton Hall	174				52%		Secondary SS Teaching Methods
	174 Total	480	29	16.6	75%	96%	
Fenton Hall	175				73%		Freshman Seminar
Fenton Hall	175				50%		Spanish Composition
Fenton Hall	175	470	26	18.1	69%		Composition Elem Teachers
Fenton Hall	175				69%		Composition Elem Teachers
Fenton Hall	175				65%		Discrete Math for Comp Sci I
Fenton Hall	175				96%		Reading/Writing Children's Lit
Fenton Hall	175				23%		Theory of Computation
Fenton Hall	175				81%		Data Structures
Fenton Hall	175				62%		History Freshmen Seminar
Fenton Hall	175				77%		English Composition
Fenton Hall	175				77%		English Composition
Fenton Hall	175				54%		Spanish Creative Writing
	175 Total	470	26	18.1	66%	73%	
Fenton Hall	176				76%		Labor and Employment
Fenton Hall	176				79%		Information Systems Structures
Fenton Hall	176	677	38	17.8	76%		American Popular & Mass Cultrs
Fenton Hall	176				92%		United States History II
Fenton Hall	176				92%		United States History I
Fenton Hall	176				89%		Abnormal Psychology
Fenton Hall	176				63%		Justice, Law, and Economics
Fenton Hall	176				89%		Princ of Financial Accounting
Fenton Hall	176				97%		Princ of Financial Accounting
Fenton Hall	176				87%		Philosophical Inquiry
Fenton Hall	176				92%		Philosophical Inquiry
Fenton Hall	176				79%		Elementary Spanish II
	176 Total	677	38	17.8	84%	78%	
Fenton Hall	179				47%		Intro to Grad Studies English
Fenton Hall	179				76%		Black Women Writers
Fenton Hall	179				97%		Information Systems Structures
Fenton Hall	179				82%		University Calculus II
Fenton Hall	179				56%		Abstract Algebra I
Fenton Hall	179				79%		Language and Society
Fenton Hall	179				47%		Women and Film
Fenton Hall	179				26%		His Prsp: Modrnsm in Eurpn Lit
Fenton Hall	179				26%		Maj Wrtrs: Dickenson & Whitman

Building	Room	Room ASF	# Seats	SF per Station	% Seats	% Hours	Title
Fenton Hall	179	565	34	16.6	38%		Elementary French II
Fenton Hall	179				38%		Intermediate French I
Fenton Hall	179				88%		Elementary French I
Fenton Hall	179				59%		Senior Seminar
Fenton Hall	179				85%		Medieval History II
Fenton Hall	179				24%		Criticism and Theory I
179 Total		565	34	16.6	58%	96%	
Fenton Hall	180				97%		Integrated Marketing Comm
Fenton Hall	180				89%		Sales Management
Fenton Hall	180	675	38	17.8	92%		Princ of Financial Accounting
Fenton Hall	180				61%		Pol Parties/Interest Grps
Fenton Hall	180				79%		Epic and Romance
Fenton Hall	180				79%		Epic and Romance
Fenton Hall	180				24%		University Calculus I
Fenton Hall	180				74%		Intro African Amer Lit/Culture
Fenton Hall	180				89%		Social Statistics
Fenton Hall	180				87%		Social Statistics
Fenton Hall	180				87%		Population and Society
Fenton Hall	180				95%		Princ. of Financial Accounting
Fenton Hall	180				84%		Western Civilization I
180 Total		675	38	17.8	80%	84%	
Fenton Hall Total		9,600	539	17.8	69%		
Grissom Hall	A122	500	24	20.8	79%		Fr Sem: Music You Know/Don't
A122 Total		500	24	20.8	79%	4%	
Grissom Hall Total		500	24	20.8	79%		
Houghton Hall	101	760	47	16.2	89%		American Politics
Houghton Hall	101				94%		American Politics
Houghton Hall	101				100%		American Politics
Houghton Hall	101				79%		University Physics II
Houghton Hall	101				64%		Survey of Precalculus
Houghton Hall	101				62%		Survey of Precalculus
Houghton Hall	101				36%		Physics/Engineering FR Sem
Houghton Hall	101				74%		Modern Political Theory
Houghton Hall	101				57%		Mammalian Physiology
Houghton Hall	101				38%		Honors Research Seminar
101 Total		760	47	16.2	69%	61%	
Houghton Hall	112	760	37	20.5	22%		Mineralogy
Houghton Hall	112				89%		Philosophical Inquiry
Houghton Hall	112				92%		The Greek Way
Houghton Hall	112				76%		Modern British Literature
Houghton Hall	112				65%		Abstract Algebra I
Houghton Hall	112				92%		Crime and Crime Theory
Houghton Hall	112				16%		Stratigraphy
Houghton Hall	112				65%		Metaphysics
Houghton Hall	112				27%		Analyt Chem, Instrum Analysis
Houghton Hall	112				78%		Honors Sem CCC:Social Sciences
Houghton Hall	112				97%		Intro Deductive Logic
Houghton Hall	112				62%		University Physics II
112 Total		760	37	20.5	65%	73%	
Houghton Hall	212				38%		Intro. Physical Chemistry
Houghton Hall	212				21%		Theoretical Mechanics
Houghton Hall	212				79%		English Composition
Houghton Hall	212	400	24	16.7	46%		Organometallics
Houghton Hall	212				58%		Acoustics I
212 Total		400	24	16.7	48%	32%	

Building	Room	Room ASF	# Seats	SF per Station	% Seats	% Hours	Title
Houghton Hall	213				27%		Seminar: Advances in Chemistry
Houghton Hall	213				21%		Chemistry Freshmen Seminar
Houghton Hall	213				71%		Social/Political Philosophy
Houghton Hall	213				50%		The Romantic Age
Houghton Hall	213				75%		General Chemistry Lecture II
Houghton Hall	213				42%		Linear Algebra
Houghton Hall	213				19%		University Calculus I
Houghton Hall	213				2%		Grad Sem in Prof Development
Houghton Hall	213	840	48	17.5	42%		English Composition
Houghton Hall	213				48%		Women Writers
Houghton Hall	213				48%		Social Work Practice Methods I
Houghton Hall	213				63%		States of Consciousness
213 Total		840	48	17.5	42%	66%	
Houghton Hall Total		2,760	156	17.7	57%		
Jewett Hall	120				18%		Env Sci First-Year Seminar
Jewett Hall	120				96%		Intr Contemporary Inclusive Ed
Jewett Hall	120				64%		Seminar: Math for H S Teachers
Jewett Hall	120	462	28	16.5	21%		SPTP:Children's Lit in French
Jewett Hall	120				32%		Survey of French Lit I
Jewett Hall	120				64%		Electronic Commerce
Jewett Hall	120				86%		Basic Bowling
Jewett Hall	120				14%		Circuit Analysis I
Jewett Hall	120				21%		Mathematical Physics I
Jewett Hall	120				68%		Intro Creative Writing
120 Total		462	28	16.5	49%	58%	
Jewett Hall	212				43%		Methods Environ Analysis
Jewett Hall	212				57%		Spanish Grammar: Subjunctive
Jewett Hall	212	451	28	16.1	61%		Immunology and Serology
Jewett Hall	212				82%		Telecommunication Technology
Jewett Hall	212				86%		Communication Law and Ethics
Jewett Hall	212				96%		The Human Genome
Jewett Hall	212				32%		Senior Seminar
Jewett Hall	212				36%		Senior Seminar
Jewett Hall	212				89%		US History: 1945-Present
Jewett Hall	212				89%		US History: 1945-Present
Jewett Hall	212				54%		Intercultural Communication
Jewett Hall	212				89%		Group Communication
Jewett Hall	212				46%		Senior Seminar
212 Total		451	28	16.1	66%	69%	
Jewett Hall	220	472	28	16.9	71%		English Composition
Jewett Hall	220				89%		World Poetry
Jewett Hall	220				75%		Maj Wrtrs: Dickinson & Whitman
Jewett Hall	220				89%		Novels and Tales
Jewett Hall	220				79%		Novels and Tales
Jewett Hall	220				79%		Biology Study Skills
Jewett Hall	220				61%		Developmental Biology
Jewett Hall	220				14%		SpTp:Modernism in European Lit
Jewett Hall	220				89%		Genes, Health, and Society
Jewett Hall	220				71%		English Composition
Jewett Hall	220				43%		Comp Approaches to AgrarianLit
220 Total		472	28	16.9	69%	64%	
Jewett Hall Total		1,385	84	16.5	62%		
Kasling Hall	B116				29%		Internship: Leadership
Kasling Hall	B116	500	24	20.8	83%		English Composition
Kasling Hall	B116				79%		English Composition
B116 Total		500	24	20.8	64%	15%	

H APPENDICES

Building	Room	Room ASF	# Seats	SF per Station	% Seats	% Hours	Title
Kasling Hall Total		500	24	20.8	64%		
Mason Hall	1002	672	43	15.6	60%		Aural Skills III
Mason Hall	1002				49%		Aural Skills III
Mason Hall	1002				53%		Aural Skills I
Mason Hall	1002				51%		Aural Skills I
Mason Hall	1002				58%		Beginning Music Theory I
Mason Hall	1002				58%		Beginning Music Theory I
Mason Hall	1002				21%		Music Theory III
Mason Hall	1002				44%		Music Theory III
Mason Hall	1002				58%		Music Theory I
Mason Hall	1002				53%		Music Theory I
Mason Hall	1002				58%		Brass Pedagogy
	1002 Total	672	43	15.6	51%	68%	
Mason Hall	1022	672	42	16.0	64%		Aural Skills III
Mason Hall	1022				45%		Aural Skills III
Mason Hall	1022				55%		Aural Skills I
Mason Hall	1022				50%		Aural Skills I
Mason Hall	1022				71%		Foundations of Music Educ II
Mason Hall	1022				62%		Music Theory III
Mason Hall	1022				62%		Music Theory I - Honors
Mason Hall	1022				52%		Music Theory I
Mason Hall	1022				43%		Music Theory I
	1022 Total	672	42	16.0	56%	58%	
Mason Hall	2015				21%		Piano Class, Intermediate
Mason Hall	2015				21%		Piano Class, Intermediate
Mason Hall	2015				21%		Piano Class, Intermediate
Mason Hall	2015				21%		Piano Class, Elementary
Mason Hall	2015				19%		Piano Cl Keyboard Majors
Mason Hall	2015				12%		Piano Class, Elementary
Mason Hall	2015				21%		Piano Class, Intermediate
Mason Hall	2015				26%		Piano Class
Mason Hall	2015				9%		Piano Cl Non-Keyboard Major
Mason Hall	2015	672	43	15.6	9%		Piano Class, Elementary
Mason Hall	2015				19%		Piano Class
Mason Hall	2015				19%		Piano Class, Elementary
Mason Hall	2015				23%		Piano Class, Intermediate
Mason Hall	2015				16%		Piano Cl Keyboard Majors
Mason Hall	2015				5%		Piano Improv Non-Keyboard Maj
Mason Hall	2015				7%		Piano Cl Non-Keyboard Major
Mason Hall	2015				19%		Piano Class, Elementary
Mason Hall	2015				21%		Piano Class, Intermediate
Mason Hall	2015				21%		Piano Class
Mason Hall	2015				21%		Piano Class, Elementary
Mason Hall	2015				5%		Piano Cl-MUSIC THERAPY ONLY
	2015 Total	672	43	15.6	17%	53%	
Mason Hall	2018				43%		Music, Play, and Self
Mason Hall	2018				65%		The Rudiments of Music
Mason Hall	2018				20%		Music Therapy Repertoire
Mason Hall	2018				41%		Woodwind Chamber Ensemble
Mason Hall	2018				43%		Aural Skills I
Mason Hall	2018	912	54	16.9	39%		Introduction to Music Therapy
Mason Hall	2018				19%		Mu for Ch with Disabilities
Mason Hall	2018				19%		Methods of Music Therapy
Mason Hall	2018				9%		Intermediate Voice Class
Mason Hall	2018				37%		Music, Play, and Self
	2018 Total	912	54	16.9	33%	48%	

Building	Room	Room ASF	# Seats	SF per Station	% Seats	% Hours	Title
Mason Hall	2019				21%		Beginning Composition
Mason Hall	2019				37%		Italian Diction for Singers
Mason Hall	2019				47%		Women's Chorus
Mason Hall	2019				97%		Music History in West Civ I
Mason Hall	2019				104%		Music History in West Civ I
Mason Hall	2019				33%		General Music in Elem Sch
Mason Hall	2019				44%		Foundations of Music Ed I
Mason Hall	2019				17%		Survey of Song Literature
Mason Hall	2019				83%		Hist of American Popular Music
Mason Hall	2019	1,050	70	15.0	21%		English Diction for Singers
Mason Hall	2019				47%		History of Jazz
Mason Hall	2019				29%		Vocal Pedagogy
Mason Hall	2019				21%		Music History in West Civ II
Mason Hall	2019				47%		Women's Chorus
Mason Hall	2019				23%		History & Lit of the Wind Band
	2019 Total	1,050	70	15.0	45%	85%	
Mason Hall	2020				24%		Piano Class, Intermediate
Mason Hall	2020				24%		Piano Class, Elementary
Mason Hall	2020				24%		Piano Class, Elementary
Mason Hall	2020				14%		Piano Class, Elementary
Mason Hall	2020				29%		Piano Class, Elementary
Mason Hall	2020	672	42	16.0	19%		Piano Class, Elementary
Mason Hall	2020				17%		Piano Class, Elementary
Mason Hall	2020				19%		Piano Class, Elementary
Mason Hall	2020				19%		Piano Class, Elementary
Mason Hall	2020				21%		Piano Class, Intermediate
Mason Hall	2020				29%		Piano Class, Elementary
Mason Hall	2020				17%		Piano Class, Intermediate
Mason Hall	2020				19%		Piano Class, Elementary
Mason Hall	2020				21%		Piano Class, Intermediate
Mason Hall	2020				29%		Piano Class, Intermediate
Mason Hall	2020				26%		Piano Class, Intermediate
Mason Hall	2020				24%		Piano Class, Intermediate
Mason Hall	2020				17%		Piano Class, Elementary
	2020 Total	672	42	16.0	21%	40%	
Mason Hall Total		4,650	294	15.8	35%		
Rockefeller Arts Center	235				35%		SPTP:Circa 1500-ClashofCulture
Rockefeller Arts Center	235				81%		Women in Art
Rockefeller Arts Center	235	543	31	17.5	81%		Theatre Organization/Mngmnt
Rockefeller Arts Center	235				94%		World Regional Geography
Rockefeller Arts Center	235				100%		History of the Theatre I
Rockefeller Arts Center	235				97%		Intro Technical Theatre
Rockefeller Arts Center	235				68%		Survey Mesoamerican Art
	235 Total	543	31	17.5	79%	47%	
Rockefeller Arts Center	236				74%		Technical Theatre Seminar
Rockefeller Arts Center	236				100%		Script Analysis
Rockefeller Arts Center	236	543	31	17.5	94%		Maj Wrts: Tolkien Dnldsn Pulmn
Rockefeller Arts Center	236				94%		American Identities
Rockefeller Arts Center	236				48%		Fr Sem: The "Real World"
Rockefeller Arts Center	236				81%		University Calculus I
Rockefeller Arts Center	236				68%		History of Mathematics
Rockefeller Arts Center	236				81%		Novels and Tales
	236 Total	543	31	17.5	80%	40%	
Rockefeller Arts Center Total		1,086	62	17.5	80%		

Building	Room	Room ASF	# Seats	SF per Station	% Seats	% Hours	Title
Thompson Hall	E120				48%		Field Practicum I w/Seminar
Thompson Hall	E120				52%		Topical Sem Sp Lang Path/Audio
Thompson Hall	E120				38%		Special Topics: Museum Studies
Thompson Hall	E120				100%		Medieval Literature
Thompson Hall	E120				69%		Public Speaking
Thompson Hall	E120				59%		Public Speaking
Thompson Hall	E120	470	29	16.2	86%		World Poetry
Thompson Hall	E120				83%		World Poetry
Thompson Hall	E120				69%		Intro Creative Writing
Thompson Hall	E120				69%		Public Speaking
E120 Total		470	29	16.2	67%	60%	
Thompson Hall	E122				50%		Field Practicum I w/Seminar
Thompson Hall	E122				77%		Tchnng Excptnl Lnrs Incl Setng
Thompson Hall	E122				54%		Fr Sem: Politics/Mass Culture
Thompson Hall	E122				96%		Victorian Britain
Thompson Hall	E122				96%		Victorian Britain
Thompson Hall	E122				77%		English Composition
Thompson Hall	E122	440	26	16.9	73%		English Composition
Thompson Hall	E122				77%		English Composition
Thompson Hall	E122				58%		Doing History-AfricanAmer Hist
Thompson Hall	E122				81%		Survey of Spanish-Amer Lit
Thompson Hall	E122				100%		Strategic Management
Thompson Hall	E122				54%		English Composition
Thompson Hall	E122				62%		Advanced Fiction Writing
E122 Total		440	26	16.9	73%	79%	
Thompson Hall	E305				66%		Neuroscience for Comm Disorder
Thompson Hall	E305				56%		Accounting Info Systems
Thompson Hall	E305	1,100	41	26.8	73%		Statistics
Thompson Hall	E305				80%		Statistics
Thompson Hall	E305				83%		Anthro of American Utopias
Thompson Hall	E305				78%		International Trade/Finance
Thompson Hall	E305				95%		Principles of Macroeconomics
Thompson Hall	E305				61%		Education in American Society
Thompson Hall	E305				32%		Education in American Society
Thompson Hall	E305				56%		Freshman Sem in Spch Lang Path
Thompson Hall	E305				102%		Intermediate Accounting I
Thompson Hall	E305				68%		Child Psychology
Thompson Hall	E305				66%		Elementary Spanish II
Thompson Hall	E305				85%		Human Sexuality
Thompson Hall	E305				100%		Accounting Processes
Thompson Hall	E305				66%		Dysphagia
E305 Total		1,100	41	26.8	73%	98%	
Thompson Hall	E309				80%		Spanish Conversation
Thompson Hall	E309				50%		Spanish Conversation
Thompson Hall	E309				45%		Methods for English Education
Thompson Hall	E309				45%		Methods for English Education
Thompson Hall	E309	300	20	15.0	70%		Intermediate Poetry Writing
Thompson Hall	E309				50%		Senior Honors Seminar
E309 Total		300	20	15.0	57%	38%	
Thompson Hall	E316				73%		English Composition
Thompson Hall	E316				77%		English Composition
Thompson Hall	E316				73%		Intro American Indian Studies
Thompson Hall	E316				8%		Sr Sem: Romanticism & Realism
Thompson Hall	E316				85%		Social Psychology
Thompson Hall	E316	360	26	13.8	88%		Research Methods
Thompson Hall	E316				38%		Capstone Sem: Dutch Golden Age

Building	Room	Room ASF	# Seats	SF per Station	% Seats	% Hours	Title
Thompson Hall	E316				73%		English Composition
Thompson Hall	E316				77%		American Identities
Thompson Hall	E316				27%		Content Area ESL
E316 Total		360	26	13.8	62%	70%	
Thompson Hall	E327				100%		Social Development
Thompson Hall	E327				100%		Child Psychopathology
Thompson Hall	E327				100%		Child Development
Thompson Hall	E327				100%		Sport Psychology
Thompson Hall	E327				57%		Intro Creative Writing
Thompson Hall	E327				54%		Intro Creative Writing
Thompson Hall	E327	570	35	16.3	91%		Social Psychology
Thompson Hall	E327				86%		Social Analysis
Thompson Hall	E327				100%		Western European Politics
Thompson Hall	E327				91%		Western European Politics
E327 Total		570	35	16.3	88%	64%	
Thompson Hall	E347				88%		Introduction to Psychology
Thompson Hall	E347	975	60	16.3	92%		Introductory Anthropology
Thompson Hall	E347				87%		Introduction to Psychology
Thompson Hall	E347				98%		Introductory Sociology
Thompson Hall	E347				55%		Cognitive Neuroscience
Thompson Hall	E347				33%		Advanced Accounting
Thompson Hall	E347				87%		Taxation I
Thompson Hall	E347				75%		Principles of Macroeconomics
Thompson Hall	E347				57%		Legal Environment of Business
Thompson Hall	E347				62%		Athletics in Education
Thompson Hall	E347				53%		Statistics
Thompson Hall	E347				68%		Fund of Statistics for BA & EC
Thompson Hall	E347				72%		Law and Society
Thompson Hall	E347				60%		Introduction to Public Health
E347 Total		975	60	16.3	70%	90%	
Thompson Hall	E359				60%		Research Methods
Thompson Hall	E359	866	42	20.6	57%		Literacy/Tech Incl Ed -CH/EC
Thompson Hall	E359				62%		Literacy/Tech Incl Ed - CH/EC
Thompson Hall	E359				83%		Child Development
Thompson Hall	E359				60%		SPTP:History of Christianity
Thompson Hall	E359				69%		Human Factors
Thompson Hall	E359				88%		Mathematics in Action
Thompson Hall	E359				50%		Psychology of Adolescence
Thompson Hall	E359				45%		Linguistics for ESL Educators
Thompson Hall	E359				88%		Sex and Gender
Thompson Hall	E359				79%		Statistical Analysis
Thompson Hall	E359				88%		Statistical Analysis
Thompson Hall	E359				93%		Plagues and Peoples
Thompson Hall	E359				69%		Psychology of Language
E359 Total		866	42	20.6	71%	95%	
Thompson Hall	E361				25%		Curr Theory 2nd Lang Clss ESLI
Thompson Hall	E361	400	24	16.7	83%		English Composition
Thompson Hall	E361				83%		English Composition
Thompson Hall	E361				83%		English Composition
Thompson Hall	E361				83%		English Composition
Thompson Hall	E361				75%		English Composition
Thompson Hall	E361				83%		English Composition
Thompson Hall	E361				83%		English Composition
Thompson Hall	E361				79%		Intro Creative Writing
Thompson Hall	E361				67%		Fr Sem: The FOP Experience
E361 Total		400	24	16.7	75%	60%	

H APPENDICES

Building	Room	Room ASF	# Seats	SF per Station	% Seats	% Hours	Title
Thompson Hall	E363				85%		Introduction to Corrections
Thompson Hall	E363				24%		The Inter-American System
Thompson Hall	E363	684	41	16.7	95%		Princ of Financial Accounting
Thompson Hall	E363				93%		Research Methods-SOC/CRMJ
Thompson Hall	E363				71%		The Bible as Literature
Thompson Hall	E363				85%		Philosophical Inquiry
Thompson Hall	E363				88%		Philosophical Inquiry
Thompson Hall	E363				24%		Sociological Theory
Thompson Hall	E363				85%		Fundamentals Public Admin
Thompson Hall	E363				39%		Strategic Management
Thompson Hall	E363				68%		Statistical Analysis
Thompson Hall	E363				56%		Physiological Psychology
Thompson Hall	E363				59%		Human Behav in Social Envir I
Thompson Hall	E363				80%		Criminal Justice Ethics
E363 Total		684	41	16.7	68%	90%	
Thompson Hall	E384				21%		Practicum/Seminar
Thompson Hall	E384	310	19	16.3	95%		Philosophy of Mind
E384 Total		310	19	16.3	58%	13%	
Thompson Hall	W231				85%		Statistics
Thompson Hall	W231				82%		University Calculus I
Thompson Hall	W231				74%		University Calculus I
Thompson Hall	W231				88%		Introduction to Spanish
Thompson Hall	W231				91%		Introduction to Spanish
Thompson Hall	W231				88%		Drama and Film
Thompson Hall	W231				100%		United States History I
Thompson Hall	W231	600	34	17.6	62%		Intro Women's Studies
Thompson Hall	W231				74%		Critical Reading
Thompson Hall	W231				68%		Citrl/Ling Dversty-Clsrm CH/EC
Thompson Hall	W231				71%		History/Systems of Psychology
Thompson Hall	W231				50%		Doing History - 1970's America
W231 Total		600	34	17.6	78%	78%	
Thompson Hall	W239				51%		SPTP: Social Movements
Thompson Hall	W239	800	49	16.3	39%		Princ of Managerial Accounting
Thompson Hall	W239				65%		Prin. of Managerial Accounting
Thompson Hall	W239				76%		World History II
Thompson Hall	W239				73%		Prin. of Managerial Accounting
Thompson Hall	W239				71%		Elementary German I
Thompson Hall	W239				69%		Organizational Behavior
Thompson Hall	W239				73%		Organizational Behavior
Thompson Hall	W239				37%		Fr Sem: The Fredonia Factor
Thompson Hall	W239				29%		Statistical Analysis
Thompson Hall	W239				69%		United States History II
W239 Total		800	49	16.3	59%	71%	
Thompson Hall	W245				63%		Curr Theory 2nd Lang Clss ESLI
Thompson Hall	W245				44%		Issues & Research in Literacy
Thompson Hall	W245				94%		Intro Except Learnr-ADOL
Thompson Hall	W245	530	32	16.6	97%		Introduction to Counseling
Thompson Hall	W245				56%		English Composition
Thompson Hall	W245				84%		Epic and Romance
Thompson Hall	W245				56%		English Composition
Thompson Hall	W245				69%		Litcy & Assmt in Inclusive Ed
W245 Total		530	32	16.6	70%	50%	
Thompson Hall	W394				49%		EDP Freshman Orientation I
Thompson Hall	W394				74%		Social Work Pract Methods III
Thompson Hall	W394	684	35	19.5	100%		Juvenile Delinquency
Thompson Hall	W394				97%		Social Welfare Institutions

Building	Room	Room ASF	# Seats	SF per Station	% Seats	% Hours	Title
Thompson Hall	W394				100%		Sociology of Sport
Thompson Hall	W394				86%		Novels and Tales
Thompson Hall	W394				100%		Family Sociology
Thompson Hall	W394				34%		Internatl Migration/Immigr Pol
Thompson Hall	W394				97%		Organizational Behavior
Thompson Hall	W394				54%		Senior Seminar
Thompson Hall	W394				31%		Honors Sem CCC:Social Sciences
Thompson Hall	W394				57%		EDP Freshman Orientation I
Thompson Hall	W394				94%		SPTP: The Psy of Incarceration
W394 Total		684	35	19.5	75%	75%	
Thompson Hall Total		9,089	513	17.7	71%		
Grand Total		30,694	1,768	17.4	62%	69%	

Building	Room	Room ASF	# Seats	SF per Station	% Seats	% Hours	Title
Fenton Hall	105				10%		Cltur/Ling Divers-Clsrm ADOL
Fenton Hall	105				28%		Early Shakespeare
Fenton Hall	105	1,690	119	14.2	75%		Organic Chemistry Lecture I
Fenton Hall	105				50%		Introduction to Psychology
Fenton Hall	105				34%		Film Form
Fenton Hall	105				34%		Speech/Lang Development
Fenton Hall	105				83%		Weather and Climate
Fenton Hall	105				39%		Introductory Anthropology
Fenton Hall	105				47%		Introduction to Psychology
Fenton Hall	105				55%		Science and Civilization
Fenton Hall	105				36%		Fund of Statistics for BA & EC
Fenton Hall	105				82%		Contemp Phys/NonScience Majors
Fenton Hall	105				30%		Intro Except Learner-CH/EC
105 Total		1,690	119	14.2	46%	83%	
Fenton Hall Total		1,690	119	14.2	46%		
Jewett Hall	101				4%		Seminar
Jewett Hall	101				69%		Communication Orientation
Jewett Hall	101				21%		Teaching in the Middle School
Jewett Hall	101				38%		Principles of Biology I
Jewett Hall	101				39%		Principles of Biology I
Jewett Hall	101				43%		Genetics
Jewett Hall	101				45%		Biochemistry
Jewett Hall	101				22%		United States History II
Jewett Hall	101				48%		Fr Seminar on Sexual Concerns
Jewett Hall	101				20%		Studying for Success-Biology
Jewett Hall	101	2,173	166	13.1	42%		Environmental Biology
Jewett Hall	101				42%		Introduction to Biology
Jewett Hall	101				38%		General Ecology
Jewett Hall	101				42%		Introduction to Biology
Jewett Hall	101				44%		Fundamentals of Communication
Jewett Hall	101				81%		Safety Ed/Fire&Arson/Violence
101 Total		2,173	166	13.1	40%	87%	
Jewett Hall Total		2,173	166	13.1	40%		
McEwen Hall	202				25%		Masterworks Chorus
McEwen Hall	202				51%		Musics of the World
McEwen Hall	202				28%		Geology of National Parks
McEwen Hall	202				65%		Volcanoes
McEwen Hall	202				44%		General Chemistry Lecture I
McEwen Hall	202				35%		General Chemistry Lecture I
McEwen Hall	202	3,700	209	17.7	49%		Intro Performing Arts
McEwen Hall	202				53%		Moons and Planets
McEwen Hall	202				34%		Fundamentals of Communication
McEwen Hall	202				57%		American Cultures
McEwen Hall	202				18%		Adolescent Development
202 Total		3,700	209	17.7	42%	66%	
McEwen Hall	209				14%		Probability and Statistics
McEwen Hall	209	4,600	319	14.4	30%		Oceanography
McEwen Hall	209				33%		College Physics I
McEwen Hall	209				39%		World Cultures
McEwen Hall	209				37%		World Cultures
McEwen Hall	209				38%		Music Appreciation
McEwen Hall	209				73%		University Chorus
McEwen Hall	209				18%		Geology I
McEwen Hall	209				44%		Philosophical Ideas
McEwen Hall	209				38%		American Cultures
209 Total		4,600	319	14.4	36%	62%	

Building	Room	Room ASF	# Seats	SF per Station	% Seats	% Hours	Title
McEwen Hall	G24				15%		Computer Architecture
McEwen Hall	G24				28%		Intro Con Incl Ed-ADOL SS/MFL
McEwen Hall	G24	1,590	104	15.3	38%		Principles of Microeconomics
McEwen Hall	G24				41%		Principles of Microeconomics
McEwen Hall	G24				56%		U.S. and World Affairs
McEwen Hall	G24				55%		Geology I
McEwen Hall	G24				43%		Mass Media and Society
McEwen Hall	G24				32%		Clinical Proc:Observ&Analysis
McEwen Hall	G24				34%		Rhetoric Visn Sound COMM MJRS
McEwen Hall	G24				50%		Visual Concepts
McEwen Hall	G24				53%		Art in Culture:Prehistory-1400
McEwen Hall	G24				96%		Introductory Sociology
McEwen Hall	G24				27%		Intermed Microeconomic Theory
McEwen Hall	G24				67%		Art in Culture:1400 to Present
G24 Total		1,590	104	15.3	45%	91%	
McEwen Hall	G26				83%		Intro to Information Systems
McEwen Hall	G26				33%		Assess&Instr Stdnt w/Spec Need
McEwen Hall	G26	1,590	104	15.3	25%		Landform Geography
McEwen Hall	G26				24%		Foundations in Journalism
McEwen Hall	G26				75%		Introduction to Biology
McEwen Hall	G26				49%		Adolescent Development
McEwen Hall	G26				56%		Introduction to Psychology
McEwen Hall	G26				45%		Chemistry for Consumers
McEwen Hall	G26				35%		Mass Media & Society MUSIC BUS
McEwen Hall	G26				24%		Introduction to Sign Language
McEwen Hall	G26				49%		Introductory Sociology
McEwen Hall	G26				67%		Introduction to Biology
McEwen Hall	G26				37%		Speech & Hearing Mechanism
McEwen Hall	G26				33%		Aural Habilitation/Rehab
McEwen Hall	G26				38%		Intro Business Communication
G26 Total		1,590	104	15.3	45%	93%	
McEwen Hall Total		11,480	736	15.6	41%		
Thompson Hall	W101				61%		Western Cultures
Thompson Hall	W101				59%		Western Cultures
Thompson Hall	W101				20%		Phonetics
Thompson Hall	W101				37%		Human Biology
Thompson Hall	W101				30%		Introductory Sociology
Thompson Hall	W101				28%		Intro to Criminal Justice
Thompson Hall	W101				23%		American Politics
Thompson Hall	W101	2,400	195	12.3	28%		Introductory Sociology
Thompson Hall	W101				63%		American Cultures
Thompson Hall	W101				23%		Clinical Methods in Evaluation
Thompson Hall	W101				11%		Asian American History
Thompson Hall	W101				60%		Western Cultures
Thompson Hall	W101				60%		World Cultures
W101 Total		2,400	195	12.3	39%	85%	
Grand Total		17,743	1,216	14.6	41%	81%	

Specialized Instructional Spaces

Building	Room	Room ASF	# Seats	SF per Station	% Seats	% Hours	Title
Dods Hall	148	4,000	160	25.0	12%		Ballet I
Dods Hall	148				10%		Ballet II
Dods Hall	148				9%		Modern Technique I
Dods Hall	148				21%		Introduction to Dance
Dods Hall	148				16%		Jazz Dance I
Dods Hall	148				14%		SPTP: Undergrad Eurhythmics
Dods Hall	148				9%		Selected Topics: Pilates
Dods Hall	148				6%		Choreography I
Dods Hall	148				6%		Jazz Dance III
Dods Hall	148				16%		Modern Technique II
Dods Hall	148				13%		Tap Dance II
Dods Hall	148				15%		Modern Technique I
148 Total		4,000	160	25.0	12%	77%	
Dods Hall Total		4,000	160	25.0	12%		
Houghton Hall	102				79%		Science for Elem Educators Lab
Houghton Hall	102	1,254	24	52.3	100%		Science for Elementary Educ II
Houghton Hall	102				96%		Science for Elementary Educ II
Houghton Hall	102				88%		Science for Elementary Educ I
Houghton Hall	102				92%		Science for Elementary Educ I
Houghton Hall	102				29%		Science for Elem Educators Lab
102 Total		1,254	24	52.3	81%	40%	
Houghton Hall	105				53%		General Geology Lab
Houghton Hall	105	1,216	36	33.8	19%		Paleontology
Houghton Hall	105				19%		Paleontology
105 Total		1,216	36	33.8	31%	20%	
Houghton Hall	107				19%		Geophysics
Houghton Hall	107	1,254	36	34.8	19%		Geophysics
Houghton Hall	107				53%		Geographic Information Sys I
Houghton Hall	107				6%		Seminar in Geosciences
Houghton Hall	107				44%		Geomorphology
Houghton Hall	107				44%		Geomorphology
Houghton Hall	107				17%		Stratigraphy
107 Total		1,254	36	34.8	29%	41%	
Houghton Hall	110	1,216	24	50.7	33%		Mineralogy
110 Total		1,216	24	50.7	33%	7%	
Houghton Hall	117				79%		University Physics II Lab
Houghton Hall	117	1,216	24	50.7	71%		University Physics II Lab
117 Total		1,216	24	50.7	75%	14%	
Houghton Hall	119	1,254	24	52.3	46%		College Physics Lab I
Houghton Hall	119				92%		College Physics Lab I
119 Total		1,254	24	52.3	69%	14%	
Houghton Hall	208				33%		Physical Chem Lab I
Houghton Hall	208	1,350	24	56.3	38%		Analytical Chem II Lab
208 Total		1,350	24	56.3	35%	21%	
Houghton Hall	211	1,260	24	52.5	92%		General Chemistry Lab II
211 Total		1,260	24	52.5	92%	7%	
Houghton Hall	214				92%		General Chemistry Lab I
Houghton Hall	214				92%		General Chemistry Lab I
Houghton Hall	214	1,345	24	56.0	92%		General Chemistry Lab I
Houghton Hall	214				92%		General Chemistry Lab I
Houghton Hall	214				92%		General Chemistry Lab I
Houghton Hall	214				100%		General Chemistry Lab I
214 Total		1,345	24	56.0	93%	43%	
Houghton Hall	222				58%		Organic Chemistry Lab I
Houghton Hall	222	1,260	24	52.5	96%		Organic Chemistry Lab I

Building	Room	Room ASF	# Seats	SF per Station	% Seats	% Hours	Title
Houghton Hall	222				96%		Organic Chemistry Lab I
Houghton Hall	222				100%		Organic Chemistry Lab I
222 Total		1,260	24	52.5	88%	28%	
Houghton Hall	0003	760	12	63.3	0%		Non-Scheduled
0003 Total		760	12	63.3	0%	0%	
Houghton Hall	0006	760	10	76.0	0%		Non-Scheduled
0006 Total		760	10	76.0	0%	0%	
Houghton Hall Total		14,145	286	49.5	58%		
Igoe Hall	0103C	483	3	161.0	0%		Non-Scheduled
0103C Total		483	3	161.0	0%	0%	
Igoe Hall Total		483	3	161.0	0%		
Jewett Hall	117	1,200	24	50.0	71%		Immunology and Serology
117 Total		1,200	24	50.0	71%	7%	
Jewett Hall	129				42%		SPTP: Local Natural History
Jewett Hall	129	1,220	24	50.8	96%		Principles of Biology I Lab
Jewett Hall	129				92%		Principles of Biology I Lab
Jewett Hall	129				96%		Principles of Biology I Lab
Jewett Hall	129				100%		Principles of Biology I Lab
Jewett Hall	129				104%		Principles of Biology I Lab
129 Total		1,220	24	50.8	88%	43%	
Jewett Hall	131				83%		Genetics Laboratory
Jewett Hall	131	1,220	24	50.8	75%		Genetics Laboratory
Jewett Hall	131				63%		Genetics Laboratory
Jewett Hall	131				58%		Genetics Laboratory
131 Total		1,220	24	50.8	70%	28%	
Jewett Hall	221				88%		General Ecology Laboratory
Jewett Hall	221				92%		General Ecology Laboratory
Jewett Hall	221	1,215	24	50.6	96%		General Ecology Laboratory
221 Total		1,215	24	50.6	92%	21%	
Jewett Hall	223	1,215	24	50.6	71%		Developmental Biology
223 Total		1,215	24	50.6	71%	7%	
Jewett Hall	233	1,215	24	50.6	17%		Mammalian Physiology Lab
233 Total		1,215	24	50.6	17%	6%	
Jewett Hall	0119	295	8	36.9	0%		Non-Scheduled
0119 Total		295	8	36.9	0%	0%	
Jewett Hall	0214	357	14	25.5	0%		Non-Scheduled
0214 Total		357	14	25.5	0%	0%	
Jewett Hall Total		7,937	166	47.8	73%		
Mason Hall	1023				70%		Advanced Flute
Mason Hall	1023	512	10	51.2	110%		Beginning Flute
Mason Hall	1023				140%		Beginning Clarinet
Mason Hall	1023				80%		Advanced Clarinet
1023 Total		512	10	51.2	100%	17%	
Mason Hall	2017	672	15	44.8	0%		Non-Scheduled
2017 Total		672	15	44.8	0%	0%	
Mason Hall Total		1,184	25	47.4	73%		
Mason Hall Addition	3162	238	10	23.8	60%		Composition Electr Media I
3162 Total		238	10	23.8	60%	6%	
Mason Hall Addition Total		238	10	23.8	60%		
Mason Hall Annex	1055	240	1	240.0	0%		Non-Scheduled
1055 Total		240	1	240.0	0%	0%	
Mason Hall Annex Total		240	1	240.0	0%		
McEwen Hall	106	1,430	59	24.2	27%		Interactive Art
McEwen Hall	106				15%		Adv. Animation/Illustration
McEwen Hall	106				27%		Interactive Art
McEwen Hall	106				31%		Introduction to 2-D Animation

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Building	Room	Room ASF	# Seats	SF per Station	% Seats	% Hours	Title
McEwen Hall	106				20%		Intro to Experimental Video
McEwen Hall	106				25%		Intro to Experimental Video
McEwen Hall	106				24%		Interactivity for the Web
106 Total		1,430	59	24.2	24%	82%	
McEwen Hall	303	612	36	17.0	28%		Audio Prod I-TV/PR MJRS
McEwen Hall	303				44%		Audio Production I-TV/PR MJRS
McEwen Hall	303				25%		Audio Production II
McEwen Hall	303				25%		Audio Docum/Soundscapes
303 Total		612	36	17.0	31%	29%	
McEwen Hall Total		2,042	95	21.5	26%		
Rockefeller Arts Center	231	1,169	22	53.1	64%		Monotypes
231 Total		1,169	22	53.1	64%	12%	
Rockefeller Arts Center	239				63%		Foundations of 3D Form&Content
Rockefeller Arts Center	239	770	24	32.1	58%		Figure Modeling
Rockefeller Arts Center	239				29%		3-D Methods and Materials
239 Total		770	24	32.1	50%	35%	
Rockefeller Arts Center	242	1,684	33	51.0	58%		Foundations in Clay - NAJORS
Rockefeller Arts Center	242				36%		Pottery on the Wheel
Rockefeller Arts Center	242				27%		Ceramic Form and Function
242 Total		1,684	33	51.0	40%	35%	
Rockefeller Arts Center	317	1,745	31	56.3	29%		Drawing and Painting III
Rockefeller Arts Center	317				42%		Drawing and Painting IV
317 Total		1,745	31	56.3	35%	23%	
Rockefeller Arts Center	319	1,348	25	53.9	68%		Drawing and Painting I
319 Total		1,348	25	53.9	68%	12%	
Rockefeller Arts Center	320	1,142	28	40.8	68%		Foundations in Drawing
Rockefeller Arts Center	320				64%		Foundations in Drawing
Rockefeller Arts Center	320				75%		Foundations in Drawing
Rockefeller Arts Center	320				43%		Life Drawing I
Rockefeller Arts Center	320				75%		Foundations in Drawing
Rockefeller Arts Center	320				64%		Foundations in Drawing
320 Total		1,142	28	40.8	65%	70%	
Rockefeller Arts Center	321				8%		Senior Seminar
Rockefeller Arts Center	321	913	24	38.0	54%		Foundations in 2D Form&Content
Rockefeller Arts Center	321				63%		Graphic Design I
Rockefeller Arts Center	321				63%		Foundations in 2D Form&Content
Rockefeller Arts Center	321				58%		Graphic Design I
Rockefeller Arts Center	321				63%		Foundations in 2D Form&Content
321 Total		913	24	38.0	51%	60%	
Rockefeller Arts Center	323	1,602	29	55.2	45%		Typography I
Rockefeller Arts Center	323				41%		Graphic Design III
323 Total		1,602	29	55.2	43%	23%	
Rockefeller Arts Center	0239A	770	24	32.1	0%		Non-Scheduled
0239A Total		770	24	32.1	0%	0%	
Rockefeller Arts Center	0309	438	26	16.8	0%		Non-Scheduled
0309 Total		438	26	16.8	0%	0%	
Rockefeller Arts Center	0328	341	15	22.7	0%		Non-Scheduled
0328 Total		341	15	22.7	0%	0%	
Rockefeller Arts Center	0329	400	15	26.7	0%		Non-Scheduled
0329 Total		400	15	26.7	0%	0%	
Rockefeller Arts Center	G30				90%		Acting Lab I/Directing I
Rockefeller Arts Center	G30				35%		Rehearsal and Performance
Rockefeller Arts Center	G30	1,000	31	32.3	39%		SpTp: Intro To Styles
Rockefeller Arts Center	G30				65%		Introduction to Acting

Building	Room	Room ASF	# Seats	SF per Station	% Seats	% Hours	Title
Rockefeller Arts Center	G30				55%		Acting for Non-Majors
Rockefeller Arts Center	G30				45%		Directing I
G30 Total		1,000	31	32.3	55%	29%	
Rockefeller Arts Center	P33				175%		Theatre & Dance Prods -Scenery
Rockefeller Arts Center	P33	2,415	20	120.8	95%		Theatre & Dance Prods -Scenery
Rockefeller Arts Center	P33				80%		Theatre & Dance Prods -Scenery
P33 Total		2,415	20	120.8	117%	59%	
Rockefeller Arts Center Total		15,737	347	45.4	52%		
Thompson Hall	E114				75%		Tchng Science in Inclusive Ed
Thompson Hall	E114				45%		Teaching of Thinking
Thompson Hall	E114				43%		Intro Children's Literature
Thompson Hall	E114				64%		University Calculus II
Thompson Hall	E114				64%		University Calculus II
Thompson Hall	E114				20%		Foundations of Bilingual Educ
Thompson Hall	E114				55%		Tchng Science in Inclusive Ed
Thompson Hall	E114				50%		Technology in the Schools
Thompson Hall	E114				14%		Develop Expertise Sci Teaching
Thompson Hall	E114	1,064	44	24.2	14%		Develop Expertise Sci Teaching
Thompson Hall	E114				14%		Found of Tch Sci to Adol Learn
Thompson Hall	E114				64%		Citrl/Ling Dvrsty -Clstrm CH/EC
Thompson Hall	E114				39%		Integrated Methods for ECE
E114 Total		1,064	44	24.2	43%	86%	
Thompson Hall	E124				68%		Tchng Math in Inclusive Educ
Thompson Hall	E124				66%		Tchng Math in Inclusive Educ
Thompson Hall	E124				50%		Litcy & Assmt in Includ Ed- EC
Thompson Hall	E124				63%		Detective Fiction
Thompson Hall	E124				58%		Litcy & Assmt in Inclusive Ed
Thompson Hall	E124				61%		Tchng Social Stds Inclusive Ed
Thompson Hall	E124				68%		Technology in the Schools
Thompson Hall	E124				92%		Educational Psychology-CH/EC
Thompson Hall	E124				68%		Citrl/Ling Dvrsty-Clstrm CH/EC
Thompson Hall	E124				68%		Educational Psychology-ADOL
Thompson Hall	E124	640	38	16.8	45%		Tchng Math in Inclusive Educ
Thompson Hall	E124				39%		Tchng Math in Inclusive Educ
Thompson Hall	E124				39%		Tchng Social Stds Inclusive Ed
Thompson Hall	E124				79%		Assmnt/Instr Diverse Lrnrs I
E124 Total		640	38	16.8	62%	85%	
Thompson Hall	E128				41%		Home/Sch Prtnrshps Diverse Soc
Thompson Hall	E128				41%		Iss Trends Res El Soc Studies
Thompson Hall	E128				66%		19th Century American Culture
Thompson Hall	E128				95%		Educational Psychology-CH/EC
Thompson Hall	E128				39%		Master's Thesis/Project C&I
Thompson Hall	E128				71%		Intro Con Incl Ed - CH/EC
Thompson Hall	E128				80%		Intro Con Incl Ed - CH/EC
Thompson Hall	E128				37%		Geometry
Thompson Hall	E128				61%		Intro Early Child Educ Curr I
Thompson Hall	E128				61%		Tchng Social Stds Inclusive Ed
Thompson Hall	E128	540	41	13.2	41%		Integrated Methods for ECE
E128 Total		540	41	13.2	58%	75%	
Thompson Hall	E149	360	7	51.4	0%		Non-Scheduled
E149 Total		360	7	51.4	0%	0%	
Thompson Hall Total		2,604	130	20.0	53%		
Grand Total		48,610	1,223	39.7	41%	25%	

The Master Planning Team Space Planning Projections, Detailed

			Existing Spaces: Part 1 of 3											
Organization Level 1	Organization Level 2	Organization Level 3: Department	Classrooms/ Lecture Halls	Laboratory Facilities	Special Use Facilities	Research Facilities	Departmental Support	Library Facilities	Administrative Facilities	Student/ Faculty Activity Facilities	Assembly & Exhibition Facilities	Central Service Facilities & Unassigned	Medical Facilities	Grand Total
Associate VP for Administration	University Controller	Purchasing							860					860
Dean, College of Education	Office of Student Services	Counseling/Academic Advising							1,378					1,378
VP of Academic Affairs	Dean, School of Business	Economics		190			1,000							1,190
VP for Administration	Associate VP & FSA Executive Director	ASC-Laundry										312		312
VP for Administration	Associate VP & FSA Executive Director	Auxiliary Service Corporation							7,338	2,752				10,090
VP for Administration	Associate VP & FSA Executive Director	Central Stores							192	136		2,400		2,728
VP for Administration	Associate VP & FSA Executive Director	Food Service-FSA Contract							3,932	36,825		7,083		47,840
VP for Administration	Associate VP for Administration	Business Affairs							1,750					1,750
VP for Administration	Associate VP for Administration	Business Manager							672					672
VP for Administration	Associate VP for Administration	Finance & Administration							3,687					3,687
VP for Administration	Associate VP for Administration	Student Billing/Cashiering		50					3,184					3,234
VP for Administration	Building Services and Grounds Director	Buildings-Structural Maint							75			3,582		3,657
VP for Administration	Building Services and Grounds Director	Custodial Services		104	668				245	448				1,465
VP for Administration	Building Services and Grounds Director	Grounds Maintenance							34	336		4,681		5,051
VP for Administration	Building Services and Grounds Director	Res Hall-Buildings-Structural							315	1,435				1,750
VP for Administration	Building Services and Grounds Director	Res Hall-Custodial Services							1,057			834		1,891
VP for Administration	Director of University Services	Copy Center							547					547
VP for Administration	Director of University Services	Mail and Messenger							581					581
VP for Administration	Director of University Services	Maint (Mechanical) Stores Clerk							208					208
VP for Administration	Director of University Services	Recreational Facilities Reimburs		1,146	19,061		209				1,277			21,693
VP for Administration	Facilities Management Director	Equip-Bldg Sys-Util Dist Sys							239			1,519		1,758
VP for Administration	Facilities Management Director	Motorized Equipment Maintenance										4,637		4,637
VP for Administration	Facilities Management Director	Utilities Plant							126	161		811		1,098
VP for Administration	VP for Administration	Administration & Management M&O		3,220	4,234	399	310		2,568	460		2,440		8,688
VP for Administration	VP for Administration	Campus Wide Facilities	38,801	2,278	4,234	399	310							46,022
VP for Administration	VP for Administration	Campus Wide Facilities-Classroom Support												-
VP for Administration	VP for Administration	Chief Administrative Office							2,745	666				3,411
VP for Administration	VP for Administration	Environmental Health & Safety							1,291					1,291
VP for Administration	VP for Administration	Facilities Planning							1,599					1,599
VP for Administration	VP for Administration	Human Resources							1,398					1,398
VP for Student Affairs	Assistant VP Student Affairs	Outreach/Marketing								168				168
VP for Student Affairs	Assistant VP Student Affairs	Student Counseling		167					1,110				55	1,332
VP for Student Affairs	Assistant VP Student Affairs	Student Health Services							654			2,748		3,402
VP for Student Affairs	Associate VP Enrollment Services	Admissions							3,655		30			3,685
VP for Student Affairs	Associate VP Enrollment Services	EOP Administration		345					680					1,025
VP for Student Affairs	Associate VP Enrollment Services	EOP Tutoring			240									240
VP for Student Affairs	Associate VP Enrollment Services	Fall/Spring Overflow Enrollment							301					301
VP for Student Affairs	Associate VP Enrollment Services	Financial Aids							4,151					4,151
VP for Student Affairs	Associate VP Enrollment Services	Liberty Partnerships							120					120
VP for Student Affairs	Director of Residence Life	Veterans Admin Reporting Fee							188					188
VP for Student Affairs	Residence Life Director	Res Hall-Administration		42					2,352	4,015				6,409
VP for Student Affairs	VP for Student Affairs	Administration - Student Affairs							2,072	120				2,192
VP for Student Affairs	VP for Student Affairs	Assessment					220							220
VP for Student Affairs	VP for Student Affairs	Multicultural Affairs							407					407
VP for Student Affairs	VP for Student Affairs	Security and Safety							1,769	800				2,569
VP for Student Affairs	VP for Student Affairs	VP Student Affairs											160	160
VP for University Advancement	Director of Public Relations	Central Duplicating & Printing							455			2,245		2,700
VP for University Advancement	Director of Public Relations	Publications							1,620					1,620
VP for University Advancement	VP for University Advancement	Alumni Relations							605					605
VP of Academic Affairs	Assoc VP, Graduate Studies & Research	Academic Planning							244					244
VP of Academic Affairs	Assoc VP, Graduate Studies & Research	Interdisciplinary Studies												134
VP of Academic Affairs	Assoc VP, Graduate Studies & Research	Research Administration						134	1,199	225				1,424
VP of Academic Affairs	Assoc VP, Graduate Studies & Research	Research Grants						240	330					570

Organization Level 2	Organization Level 3: Department	Current		Right-Sized Spaces: Part 2 of 3											Grand Total
		All Staff	Full-Time Equivalent Faculty	Classrooms/ Lecture Halls	Laboratory Facilities	Special Use Facilities	Research Facilities	Departmental Support	Library Facilities	Administrative Facilities	Student/ Faculty Activity Facilities	Assembly & Exhibition Facilities	Central Service Facilities & Unassigned	Medical Facilities	
University Controller	Purchasing	4.0					-	-		860					860
Office of Student Services	Counseling/Academic Advising	3.0					-	-		610					610
Dean, School of Business	Economics	1.0	6.5				813	1,170		160					2,143
Associate VP & FSA Executive Director	ASC-Laundry	-					-	-		-			312		312
Associate VP & FSA Executive Director	Auxiliary Service Corporation	-					-	-		7,338	2,752				10,090
Associate VP & FSA Executive Director	Central Stores	-					-	-		192			2,400		2,592
Associate VP & FSA Executive Director	Food Service-FSA Contract	282.5					-	-		3,932	36,825		7,083		47,840
Associate VP for Administration	Business Affairs	-					-	-		-					-
Associate VP for Administration	Business Manager	-					-	-		-					-
Associate VP for Administration	Finance & Administration	-					-	-		-					-
Associate VP for Administration	Student Billing/Cashiering	8.0					-	-		1,960					1,960
Building Services and Grounds Director	Buildings-Structural Maint	-					-	-		-			3,582		3,582
Building Services and Grounds Director	Custodial Services	139.0					-	-		5,480					5,480
Building Services and Grounds Director	Grounds Maintenance	-					-	-		-			4,681		4,681
Building Services and Grounds Director	Res Hall-Buildings-Structural	-					-	-		-	1,219				1,219
Building Services and Grounds Director	Res Hall-Custodial Services	-					-	-		-			834		834
Director of University Services	Copy Center	1.0					-	-		547					547
Director of University Services	Mail and Messenger	1.5					-	-		581					581
Director of University Services	Maint (Mechanical) Stores Clerk	4.0					-	-		510					510
Director of University Services	Recreational Facilities Reimburs	-					19,061	209		-			1,277		20,547
Facilities Management Director	Equip-Bldg Sys-Util Dist Sys	-					-	-		-			1,519		1,519
Facilities Management Director	Motorized Equipment Maintenance	2.0					-	-		60			4,637		4,697
Facilities Management Director	Utilities Plant	-					-	-		-			811		811
VP for Administration	Administration & Management M&O	24.0					-	-		3,173			2,440		5,613
VP for Administration	Campus Wide Facilities	-		64,548	464	4,234	-	-		-					69,246
VP for Administration	Campus Wide Facilities-Classroom Support	-					-	-		-					-
VP for Administration	Chief Administrative Office	3.5					-	-		2,745					2,745
VP for Administration	Environmental Health & Safety	3.5					-	-		1,291					1,291
VP for Administration	Facilities Planning	7.0					-	-		850					850
VP for Administration	Human Resources	5.0					-	-		1,260					1,260
Assistant VP Student Affairs	Outreach/Marketing	-					-	-		-					-
Assistant VP Student Affairs	Student Counseling	6.0					-	-		980					980
Assistant VP Student Affairs	Student Health Services	7.5					-	-		1,005			3,091		4,096
Associate VP Enrollment Services	Admissions	14.0					-	-		2,660		1,200			3,860
Associate VP Enrollment Services	EOP Administration	4.0			345		-	-		665	500				1,510
Associate VP Enrollment Services	EOP Tutoring	-				240	-	-		-					240
Associate VP Enrollment Services	Fall/Spring Overflow Enrollment	-					-	-		-					-
Associate VP Enrollment Services	Financial Aids	6.0					-	-		2,140					2,140
Associate VP Enrollment Services	Liberty Partnerships	-					-	-		-					-
Director of Residence Life	Veterans Admin Reporting Fee	-					-	-		188					188
Residence Life Director	Res Hall-Administration	-					-	-		-	4,015				4,015
VP for Student Affairs	Administration - Student Affairs	-					-	-		-	120				120
VP for Student Affairs	Assessment	-					-	-		-					-
VP for Student Affairs	Multicultural Affairs	2.5					-	-		320					320
VP for Student Affairs	Security and Safety	15.0					-	-		4,115					4,115
VP for Student Affairs	VP Student Affairs	18.5					-	-		2,565					2,565
Director of Public Relations	Central Duplicating & Printing	-					-	-		-			2,245		2,245
Director of Public Relations	Publications	3.0					-	-		800					800
VP for University Advancement	Alumni Relations	3.0					-	-		420					420
Assoc VP, Graduate Studies & Research	Academic Planning	-					-	-		-					-
Assoc VP, Graduate Studies & Research	Interdisciplinary Studies	-					-	-		-					-
Assoc VP, Graduate Studies & Research	Research Administration	-					-	-		-					-
Assoc VP, Graduate Studies & Research	Research Grants	4.0					-	-		1,270					1,270

Organization Level 2	Organization Level 3: Department	Projected: 2023		Projected Spaces: Part 3 of 3							Student/ Faculty Activity Facilities	Assembly & Exhibition Facilities	Central Service Facilities & Unassigned	Medical Facilities	Residence Facilities
		All Staff	Full-Time Equivalent Faculty	Classrooms/ Lecture Halls	Laboratory Facilities	Special Use Facilities	Research Facilities	Departmental Support	Library Facilities	Administrative Facilities					
University Controller	Purchasing	5.0					-	-		860					
Office of Student Services	Counseling/Academic Advising	4.5	0.5				63	90		798					
Dean, School of Business	Economics	1.0	9.0				1,125	1,620		160					
Associate VP & FSA Executive Director	ASC-Laundry	-					-	-		-			312		
Associate VP & FSA Executive Director	Auxiliary Service Corporation	-					-	-		7,338	2,752				
Associate VP & FSA Executive Director	Central Stores	-					-	-		192			2,400		
Associate VP & FSA Executive Director	Food Service-FSA Contract	281.5					-	-		3,932	36,825		7,083		
Associate VP for Administration	Business Affairs	-					-	-		-					
Associate VP for Administration	Business Manager	-					-	-		-					
Associate VP for Administration	Finance & Administration	-					-	-		-					
Associate VP for Administration	Student Billing/Cashiering	9.5					-	-		2,165					
Building Services and Grounds Director	Buildings-Structural Maint	-					-	-		-			3,582		
Building Services and Grounds Director	Custodial Services	177.0								6,880					
Building Services and Grounds Director	Grounds Maintenance												4,681		
Building Services and Grounds Director	Res Hall-Buildings-Structural	-					-	-		-	1,219				
Building Services and Grounds Director	Res Hall-Custodial Services	-					-	-		-			834		
Director of University Services	Copy Center	1.0					-	-		547					
Director of University Services	Mail and Messenger	3.0					-	-		581					
Director of University Services	Maint (Mechanical) Stores Clerk	4.0					-	-		510					
Director of University Services	Recreational Facilities Reimburs	-					19,061	209		-		1,277			
Facilities Management Director	Equip-Bldg Sys-Util Dist Sys	-					-	-		-			1,519		
Facilities Management Director	Motorized Equipment Maintenance	2.0					-	-		60			4,637		
Facilities Management Director	Utilities Plant	-					-	-		-			811		
VP for Administration	Administration & Management M&O	31.0								3,785			2,440		
VP for Administration	Campus Wide Facilities	-		66,242	478	4,234	-	-		-					
VP for Administration	Campus Wide Facilities-Classroom Support	-					-	-		-					
VP for Administration	Chief Administrative Office	4.5								2,745					
VP for Administration	Environmental Health & Safety	3.5								1,291					
VP for Administration	Facilities Planning	9.0								1,135					
VP for Administration	Human Resources	5.0								1,260					
Assistant VP Student Affairs	Outreach/Marketing	-													
Assistant VP Student Affairs	Student Counseling	8.0					-	-		1,360					
Assistant VP Student Affairs	Student Health Services	9.5					-	-		1,255			3,160		
Associate VP Enrollment Services	Admissions	17.5					-	-		3,325		1,200			
Associate VP Enrollment Services	EOP Administration	5.0			345		-	-		855	500				
Associate VP Enrollment Services	EOP Tutoring	-				240	-	-		-					
Associate VP Enrollment Services	Fall/Spring Overflow Enrollment	-					-	-		-					
Associate VP Enrollment Services	Financial Aids	8.0					-	-		2,520					
Associate VP Enrollment Services	Liberty Partnerships	-					-	-		-					
Director of Residence Life	Veterans Admin Reporting Fee	2.0					-	-		188					
Residence Life Director	Res Hall-Administration	-					-	-		-	4,015				
VP for Student Affairs	Administration - Student Affairs	-					-	-		-	120				
VP for Student Affairs	Assessment	1.0	0.5				63	90		125					
VP for Student Affairs	Multicultural Affairs	3.5					-	-		445					
VP for Student Affairs	Security and Safety	17.0					-	-		4,365					
VP for Student Affairs	VP Student Affairs	21.0	-				-	-		2,850					
Director of Public Relations	Central Duplicating & Printing	-					-	-		-			2,245		
Director of Public Relations	Publications	4.0					-	-		800					
VP for University Advancement	Alumni Relations	4.0					-	-		610					
Assoc VP, Graduate Studies & Research	Academic Planning	-					-	-		-					
Assoc VP, Graduate Studies & Research	Interdisciplinary Studies	2.0	1.0				125	180		250					
Assoc VP, Graduate Studies & Research	Research Administration	-					-	-		-					
Assoc VP, Graduate Studies & Research	Research Grants	4.0					-	-		1,270					

H APPENDICES

Organization Level 2	Organization Level 3: Department	Comments
University Controller	Purchasing	Hold at 860
Office of Student Services	Counseling/Academic Advising	Added 200 reception; some personnel elsewhere
Dean, School of Business	Economics	
Associate VP & FSA Executive Director	ASC-Laundry	hold at current
Associate VP & FSA Executive Director	Auxiliary Service Corporation	hold space; personnel elsewhere
Associate VP & FSA Executive Director	Central Stores	hold as is
Associate VP & FSA Executive Director	Food Service-FSA Contract	hold at current; space for storage in commons from central pool if necessary
Associate VP for Administration	Business Affairs	personnel categorized elsewhere
Associate VP for Administration	Business Manager	personnel categorized elsewhere
Associate VP for Administration	Finance & Administration	personnel categorized elsewhere
Associate VP for Administration	Student Billing/Cashiering	add 500 front service & 250 storage/vault
Building Services and Grounds Director	Buildings-Structural Maint	Personnel in Custodial
Building Services and Grounds Director	Custodial Services	
Building Services and Grounds Director	Grounds Maintenance	Personnel in Custodial
Building Services and Grounds Director	Res Hall-Buildings-Structural	Personnel in Custodial
Building Services and Grounds Director	Res Hall-Custodial Services	personnel categorized elsewhere
Director of University Services	Copy Center	hold as is
Director of University Services	Mail and Messenger	hold as is
Director of University Services	Maint (Mechanical) Stores Clerk	
Director of University Services	Recreational Facilities Reimburs	Appears to be miscoded; outside storage
Facilities Management Director	Equip-Bldg Sys-Util Dist Sys	personnel categorized elsewhere
Facilities Management Director	Motorized Equipment Maintenance	
Facilities Management Director	Utilities Plant	personnel categorized elsewhere
VP for Administration	Administration & Management M&O	Offices & lounge
VP for Administration	Campus Wide Facilities	Sum of Campus-wide classrooms, C-W CR support, & Instruction General. computer lab carried forward and incremented; carried forward special use. Some inst. lab space (357 asf) may be miscoded; included open lab differential of 4,931 right-sized and 5,775 projected.
VP for Administration	Campus Wide Facilities-Classroom Support	
VP for Administration	Chief Administrative Office	Hold constant
VP for Administration	Environmental Health & Safety	Hold constant
VP for Administration	Facilities Planning	
VP for Administration	Human Resources	Office + 500 add-on
Assistant VP Student Affairs	Outreach/Marketing	No reference in personnel
Assistant VP Student Affairs	Student Counseling	
Assistant VP Student Affairs	Student Health Services	
Associate VP Enrollment Services	Admissions	Added presentation space
Associate VP Enrollment Services	EOP Administration	Added 500 for tutoring in addition to next line
Associate VP Enrollment Services	EOP Tutoring	See previous line
Associate VP Enrollment Services	Fall/Spring Overflow Enrollment	No reference in personnel
Associate VP Enrollment Services	Financial Aids	190 multiplier and added 1000 work/meeting space
Associate VP Enrollment Services	Liberty Partnerships	personnel categorized elsewhere
Director of Residence Life	Veterans Admin Reporting Fee	
Residence Life Director	Res Hall-Administration	personnel elsewhere
VP for Student Affairs	Administration - Student Affairs	personnel elsewhere
VP for Student Affairs	Assessment	
VP for Student Affairs	Multicultural Affairs	
VP for Student Affairs	Security and Safety	added/expanded space beyond office formula
VP for Student Affairs	VP Student Affairs	Personnel from other SA areas included
Director of Public Relations	Central Duplicating & Printing	personnel elsewhere; space from pool
Director of Public Relations	Publications	
VP for University Advancement	Alumni Relations	
Assoc VP, Graduate Studies & Research	Academic Planning	personnel categorized elsewhere
Assoc VP, Graduate Studies & Research	Interdisciplinary Studies	
Assoc VP, Graduate Studies & Research	Research Administration	See Research Grants
Assoc VP, Graduate Studies & Research	Research Grants	add-on = 770

			Existing Spaces: Part 1 of 3											
Organization Level 1	Organization Level 2	Organization Level 3: Department	Classrooms/ Lecture Halls	Laboratory Facilities	Special Use Facilities	Research Facilities	Departmental Support	Library Facilities	Administrative Facilities	Student/ Faculty Activity Facilities	Assembly & Exhibition Facilities	Central Service Facilities & Unassigned	Medical Facilities	Grand Total
VP of Academic Affairs	Associate VP for Academic Affairs	Freshman Seminar							1,185					1,185
VP of Academic Affairs	Associate VP for Academic Affairs	Learning Center		1,860					1,496					3,356
VP of Academic Affairs	Associate VP for Academic Affairs	Native American Project							395					395
VP of Academic Affairs	Associate VP for Academic Affairs	Registrar							3,597					3,597
VP of Academic Affairs	Associate VP for Information Technology	Computer Services							2,922					2,922
VP of Academic Affairs	Associate VP for Information Technology	Visual Media Services		588					42					630
VP of Academic Affairs	Dean, College of Arts and Sciences	Communications	600	2,181	3,258		3,047		1,010	3,157				13,253
VP of Academic Affairs	Dean, College of Arts and Sciences	English		130		1,118	4,843							6,091
VP of Academic Affairs	Dean, College of Arts and Sciences	Fine Arts Activities		10					756					766
VP of Academic Affairs	Dean, College of Arts and Sciences	Health And Physical Education	78	556	99,115		4,364		462	194				104,769
VP of Academic Affairs	Dean, College of Arts and Sciences	History	570				2,165		240					2,975
VP of Academic Affairs	Dean, College of Arts and Sciences	Modern Languages		923		685	2,404							4,012
VP of Academic Affairs	Dean, College of Arts and Sciences	Music - General Operations	3,253	27,039	1,052	892	9,272		2,906	2,746	8,982			56,142
VP of Academic Affairs	Dean, College of Arts and Sciences	Philosophy				190	1,335							1,525
VP of Academic Affairs	Dean, College of Arts and Sciences	Theatre Arts	2,177	9,821	435		1,819				43,286	2,109		59,647
VP of Academic Affairs	Dean, College of Arts and Sciences	Visual Arts & New Media	495	25,654		623	5,255		133		5,277			37,437
VP of Academic Affairs	Dean, College of Education	Career Development-Student Placement							2,448					2,448
VP of Academic Affairs	Dean, College of Education	Education, Department of	34	3,082		585	4,943		110	210	620			9,584
VP of Academic Affairs	Dean, College of Education	Off-Campus Supervised Teaching					334		220					554
VP of Academic Affairs	Dean, College of Education	Reading Clinic Reimbursable			1,708	180	375							2,263
VP of Academic Affairs	Dean, College of Arts and Sciences	Academic Computing					128		3,695					3,823
VP of Academic Affairs	Dean, College of Arts and Sciences	Biology		16,974	379	6,148	4,296		346	1,000	1,675			30,818
VP of Academic Affairs	Dean, College of Arts and Sciences	Chemistry & Biochemistry		8,215		7,603	2,524							18,342
VP of Academic Affairs	Dean, College of Arts and Sciences	Computer & Information Sciences		853		22	1,167		336					2,378
VP of Academic Affairs	Dean, College of Arts and Sciences	Geology		7,868		2,588	2,414							12,870
VP of Academic Affairs	Dean, College of Arts and Sciences	Mathematics		1,894		62	2,361		114	530				4,961
VP of Academic Affairs	Dean, College of Arts and Sciences	Physics		10,107		4,716	2,438							17,261
VP of Academic Affairs	Dean, College of Arts and Sciences	Political Science				560	1,790							2,350
VP of Academic Affairs	Dean, College of Arts and Sciences	Psychology	684	53		1,233	2,100			275				4,345
VP of Academic Affairs	Dean, College of Arts and Sciences	School Of Business					622							622
VP of Academic Affairs	Dean, College of Arts and Sciences	Sociology/Anthropology	21			404	2,210							2,635
VP of Academic Affairs	VP of Academic Affairs	Chief Academic Office							3,909	1,064				4,973
VP of Academic Affairs	VP of Academic Affairs	Dean of College of Education					763							763
VP of Academic Affairs	VP of Academic Affairs	Dean, Special Programs				526	704		764	160				2,154
VP of Academic Affairs	VP of Academic Affairs	Dean-Natural and Social Sciences							776					776
VP of Academic Affairs	VP of Academic Affairs	General Library					722	58,635	2,091	480				61,928
VP of Academic Affairs	VP of Academic Affairs	Institutional Studies							430					430
VP of Academic Affairs	VP of Academic Affairs	Lifelong Learning & Special Prog		28					2,864				120	3,012
VP of Academic Affairs	Dean, College of Arts and Sciences	Communication Disorders & Science		1,130	2,560		1,558		764					6,012
VP of Academic Affairs	Dean, College of Arts and Sciences	Communication Disorders Reimb		160										160
VP of Academic Affairs	Dean, College of Arts and Sciences	Educational Communications		2,652	6,937		1,794		512					11,895
VP of Academic Affairs	Dean, College of Education	Instruction General	7,905											7,905

Organization Level 2	Organization Level 3: Department	Current		Right-Sized Spaces: Part 2 of 3												
		All Staff	Full-Time Equivalent Faculty	Classrooms/ Lecture Halls	Laboratory Facilities	Special Use Facilities	Research Facilities	Departmental Support	Library Facilities	Administrative Facilities	Student/ Faculty Activity Facilities	Assembly & Exhibition Facilities	Central Service Facilities & Unassigned	Medical Facilities	Grand Total	
Associate VP for Academic Affairs	Freshman Seminar	-					-	-		-						-
Associate VP for Academic Affairs	Learning Center	5.0			2,000		-	-		4,260						6,260
Associate VP for Academic Affairs	Native American Project	2.0					-	-		285	250					535
Associate VP for Academic Affairs	Registrar	6.5					-	-		1,815						1,815
Associate VP for Information Technology	Computer Services	33.0					-	-		4,355						4,355
Associate VP for Information Technology	Visual Media Services	-			588		-	-		-						588
Dean, College of Arts and Sciences	Communications	1.0	14.0	600	4,000	3,258	1,750	2,520		160	3,157					15,445
Dean, College of Arts and Sciences	English	2.5	30.5				3,813	5,490		265						9,568
Dean, College of Arts and Sciences	Fine Arts Activities	5.0					-	-		725						725
Dean, College of Arts and Sciences	Health And Physical Education	22.5	1.0			99,671	125	180		3,495	194					103,665
Dean, College of Arts and Sciences	History	1.0	21.5				2,688	3,870		160						6,718
Dean, College of Arts and Sciences	Modern Languages	1.5	11.0		698		1,375	1,980		223						4,276
Dean, College of Arts and Sciences	Music - General Operations	8.5	73.0	785	28,665	1,052	9,125	13,140		1,023	2,152	8,982				64,924
Dean, College of Arts and Sciences	Philosophy	-	6.0				750	1,080		-						1,830
Dean, College of Arts and Sciences	Theatre Arts	3.0	13.5	352	15,920		1,688	2,430		393		43,286	2,109			66,177
Dean, College of Arts and Sciences	Visual Arts & New Media	4.5	17.0	481	35,647		2,125	3,060		588		5,277				47,178
Dean, College of Education	Career Development-Student Placement	5.5					-	-		2,858						2,858
Dean, College of Education	Education, Department of	4.5	34.5		7,416		4,313	6,210		640	210	620				19,409
Dean, College of Education	Off-Campus Supervised Teaching	-					-	-		-						-
Dean, College of Education	Reading Clinic Reimbursable	-				1,708	-	-		-						1,708
Dean, College of Arts and Sciences	Academic Computing	-					-	-		-						-
Dean, College of Arts and Sciences	Biology	4.0	11.0		12,240	4,106	4,510	1,980		425	1,000	1,675				25,936
Dean, College of Arts and Sciences	Chemistry & Biochemistry	2.5	10.0		9,360		4,100	1,800		320						15,580
Dean, College of Arts and Sciences	Computer & Information Sciences	2.0	10.5		853		1,313	1,890		285						4,341
Dean, College of Arts and Sciences	Geology	0.5	6.0		5,482		2,460	1,080		63						9,085
Dean, College of Arts and Sciences	Mathematics	2.0	17.0		1,894		2,125	3,060		230						7,309
Dean, College of Arts and Sciences	Physics	0.5	5.5		8,808		2,255	990		80						12,133
Dean, College of Arts and Sciences	Political Science	1.0	7.5				938	1,350		160						2,448
Dean, College of Arts and Sciences	Psychology	1.5	13.5				5,535	2,430		195	275					8,435
Dean, College of Arts and Sciences	School Of Business	1.0					-	-		280						280
Dean, College of Arts and Sciences	Sociology/Anthropology	0.5	15.0				1,875	2,700		80						4,655
VP of Academic Affairs	Chief Academic Office	19.5	5.0				625	900		3,288						4,813
VP of Academic Affairs	Dean of College of Education	4.0	1.0				125	180		830						1,135
VP of Academic Affairs	Dean, Special Programs	-					-	-		-	160					160
VP of Academic Affairs	Dean-Natural and Social Sciences	-					-	-		-						-
VP of Academic Affairs	General Library	18.5					-	-	80,601	2,840						83,441
VP of Academic Affairs	Institutional Studies	1.0					-	-		690						690
VP of Academic Affairs	Lifelong Learning & Special Prog	2.0					-	-		3,364						3,364
Dean, College of Arts and Sciences	Communication Disorders & Science	10.0	5.5		2,538	3,560	688	990		1,210						8,986
Dean, College of Arts and Sciences	Communication Disorders Reimb	-			160		-	-		-						160
Dean, College of Arts and Sciences	Educational Communications	-			2,652	6,937	-	-		-						9,589
Dean, College of Education	Instruction General	-					-	-		-						-

Organization Level 2	Organization Level 3: Department	Projected: 2023		Projected Spaces: Part 3 of 3													
		All Staff	Full-Time Equivalent Faculty	Classrooms/Lecture Halls	Laboratory Facilities	Special Use Facilities	Research Facilities	Departmental Support	Library Facilities	Administrative Facilities	Student/Faculty Activity Facilities	Assembly & Exhibition Facilities	Central Service Facilities & Unassigned	Medical Facilities	Residence Facilities		
Associate VP for Academic Affairs	Freshman Seminar	-					-	-									
Associate VP for Academic Affairs	Learning Center	7.5			2,000		-	-		4,700							
Associate VP for Academic Affairs	Native American Project	2.0					-	-		285	250						
Associate VP for Academic Affairs	Registrar	8.5					-	-		2,065							
Associate VP for Information Technology	Computer Services	37.0					-	-		4,855							
Associate VP for Information Technology	Visual Media Services	-			588		-	-		-							
Dean, College of Arts and Sciences	Communications	1.0	17.0	600	4,000	3,258	2,125	3,060		160	3,157						
Dean, College of Arts and Sciences	English	3.0	34.5				4,313	6,210		328							
Dean, College of Arts and Sciences	Fine Arts Activities	5.0					-	-		725							
Dean, College of Arts and Sciences	Health And Physical Education	25.5	1.0			99,671	125	180		4,000	194						
Dean, College of Arts and Sciences	History	1.0	25.0				3,125	4,500		160							
Dean, College of Arts and Sciences	Modern Languages	1.5	15.0		698		1,875	2,700		223							
Dean, College of Arts and Sciences	Music - General Operations	8.5	80.5	785	29,550	1,052	10,063	14,490		1,023	2,152	8,982					
Dean, College of Arts and Sciences	Philosophy	-	6.0				750	1,080		-							
Dean, College of Arts and Sciences	Theatre Arts	3.0	16.5	352	16,379		2,063	2,970		393		43,286	2,109				
Dean, College of Arts and Sciences	Visual Arts & New Media	7.5	20.0	481	35,647		2,500	3,600		1,118		5,277					
Dean, College of Education	Career Development-Student Placement	7.5					-	-		3,238							
Dean, College of Education	Education, Department of	6.5	43.5		7,416		5,438	7,830		890	210	620					
Dean, College of Education	Off-Campus Supervised Teaching	-					-	-		-							
Dean, College of Education	Reading Clinic Reimbursable	-				1,708	-	-		-							
Dean, College of Arts and Sciences	Academic Computing	-					-	-		-							
Dean, College of Arts and Sciences	Biology	4.0	15.0		12,616	4,106	6,150	2,700		425	1,000	1,675					
Dean, College of Arts and Sciences	Chemistry & Biochemistry	2.5	12.0		9,648		4,920	2,160		320							
Dean, College of Arts and Sciences	Computer & Information Sciences	2.0	12.5		853		1,563	2,250		285							
Dean, College of Arts and Sciences	Geology	0.5	7.0		5,482		2,870	1,260		63							
Dean, College of Arts and Sciences	Mathematics	2.0	22.0		1,894		2,750	3,960		230							
Dean, College of Arts and Sciences	Physics	0.5	5.5		9,042		2,255	990		80							
Dean, College of Arts and Sciences	Political Science	1.0	10.5				1,313	1,890		160							
Dean, College of Arts and Sciences	Psychology	1.5	16.5				6,765	2,970		195	275						
Dean, College of Arts and Sciences	School Of Business	2.0					-	-		440							
Dean, College of Arts and Sciences	Sociology/Anthropology	0.5	18.5				2,313	3,330		80							
VP of Academic Affairs	Chief Academic Office	34.5	12.5				1,563	2,250		4,973							
VP of Academic Affairs	Dean of College of Education	4.0	1.0				125	180		830							
VP of Academic Affairs	Dean, Special Programs	-					-	-		-	160						
VP of Academic Affairs	Dean-Natural and Social Sciences	-					-	-		-							
VP of Academic Affairs	General Library	18.5	2.5				313	450	80,987	2,840							
VP of Academic Affairs	Institutional Studies	4.0					-	-		1,065							
VP of Academic Affairs	Lifelong Learning & Special Prog	3.5					-	-		3,364							
Dean, College of Arts and Sciences	Communication Disorders & Science	10.0	8.5		2,538	3,560	1,063	1,530		1,210							
Dean, College of Arts and Sciences	Communication Disorders Reimb	-			160		-	-		-							
Dean, College of Arts and Sciences	Educational Communications	-			2,652	6,937	-	-		-							
Dean, College of Education	Instruction General	-					-	-		-							

H APPENDICES

Organization Level 2	Organization Level 3: Department	Comments
Associate VP for Academic Affairs	Freshman Seminar	personnel categorized elsewhere
Associate VP for Academic Affairs	Learning Center	added 1660 to office; +3% in 2023
Associate VP for Academic Affairs	Native American Project	added lounge
Associate VP for Academic Affairs	Registrar	added storage, etc. Questions about disposition of space in Reed
Associate VP for Information Technology	Computer Services	Includes all of ITS personnel. Machine space in pool
Associate VP for Information Technology	Visual Media Services	open lab in dorm.
Dean, College of Arts and Sciences	Communications	Added 1000 asf journalism lab; lab space includes radio (scheduled) & tv studio space (unscheduled). Space carried forward but 6000 space may be miscoded.
Dean, College of Arts and Sciences	English	
Dean, College of Arts and Sciences	Fine Arts Activities	
Dean, College of Arts and Sciences	Health And Physical Education	Existing SI is open lab
Dean, College of Arts and Sciences	History	
Dean, College of Arts and Sciences	Modern Languages	
Dean, College of Arts and Sciences	Music - General Operations	Significant miscoding in this category.
Dean, College of Arts and Sciences	Philosophy	
Dean, College of Arts and Sciences	Theatre Arts	SI is mix of scheduled and open; scheduled = 10,114 & 10,573. Include two new labs for dance studio & CAD lab.
Dean, College of Arts and Sciences	Visual Arts & New Media	SI is mix of scheduled and open; scheduled = 21,684. Balance in open lab. Some lab space may be miscoded. New lab of 1900.
Dean, College of Education	Career Development-Student Placement	Added resource space (2,000) to offices
Dean, College of Education	Education, Department of	Added two new labs
Dean, College of Education	Off-Campus Supervised Teaching	personnel categorized elsewhere
Dean, College of Education	Reading Clinic Reimbursable	clinic space carried forward
Dean, College of Arts and Sciences	Academic Computing	See Computer Services
Dean, College of Arts and Sciences	Biology	Lots of storage in existing SI (3000 asf in one room); additional animal quarters & greenhouse (spec. use) under right-size & proj. based on pool allowance; planetarium coded as 6500 instead of 1500. Some inst. lab space (295 asf) may be miscoded.
Dean, College of Arts and Sciences	Chemistry & Biochemistry	
Dean, College of Arts and Sciences	Computer & Information Sciences	
Dean, College of Arts and Sciences	Geology	Much storage in existing
Dean, College of Arts and Sciences	Mathematics	
Dean, College of Arts and Sciences	Physics	
Dean, College of Arts and Sciences	Political Science	
Dean, College of Arts and Sciences	Psychology	
Dean, College of Arts and Sciences	School Of Business	
Dean, College of Arts and Sciences	Sociology/Anthropology	
VP of Academic Affairs	Chief Academic Office	Contains personnel from other offices
VP of Academic Affairs	Dean of College of Education	Added 250 for div. conference room
VP of Academic Affairs	Dean, Special Programs	defunct?
VP of Academic Affairs	Dean-Natural and Social Sciences	defunct; space for A&S dean in Aca. Aff.
VP of Academic Affairs	General Library	Add 109 seats to formula
VP of Academic Affairs	Institutional Studies	Add Accred Resource Room
VP of Academic Affairs	Lifelong Learning & Special Prog	Uncertain as to current location (PSI); added 500 asf training room (could be shared) to Admin. Facilities; May include area also counted in Counseling--unclear personnel assignment.
Dean, College of Arts and Sciences	Communication Disorders & Science	right-sized computer lab & carried forward clinic space. Added 1,000 asf for S&H Clinic. Some inst. lab space (360 asf) may be miscoded.
Dean, College of Arts and Sciences	Communication Disorders Reimb	Part of Comm Disorders & Sciences space
Dean, College of Arts and Sciences	Educational Communications	Personnel categorized elsewhere (computer services)
Dean, College of Education	Instruction General	Included in campus wide facilities

			Existing Spaces: Part 1 of 3											
Organization Level 1	Organization Level 2	Organization Level 3: Department	Classrooms/ Lecture Halls	Laboratory Facilities	Special Use Facilities	Research Facilities	Departmental Support	Library Facilities	Administrative Facilities	Student/ Faculty Activity Facilities	Assembly & Exhibition Facilities	Central Service Facilities & Unassigned	Medical Facilities	Grand Total
VP of Academic Affairs	Dean, School of Business	Business Administration	300				3,141			280				3,721
VP for Administration	VP for Administration	Child/Day Care							728	2,898				3,626
VP for University Advancement	VP for University Advancement	College Affairs		319					3,056	244			82	3,701
VP for Administration	VP for Administration	cRuN (Credit Union)												-
VP for Administration	VP for Administration	Faculty Support Staff Savings					120							120
VP for Administration	VP for Administration	Fdn												-
VP for Administration	VP for Administration	I&DR Equip/Space Steward (PSI)		3,920	200									4,120
VP for Administration	VP for Administration	Incubator-Dunkirk		1,549			10,610		270	308				12,737
VP for Administration	VP for Administration	Music - Recharges and Expenses							166					166
VP for Administration	VP for Administration	Res Hall-Admin & Mgmt M&O							3,384					3,384
VP of Academic Affairs	VP of Academic Affairs	Sabbatical Replace,Dean Grad Pro							170					170
VP for Student Affairs	VP for Student Affairs	Student Union							8,332	36,106				44,438
VP for Student Affairs	VP for Student Affairs	SUNY AC												-
VP of Academic Affairs	VP of Academic Affairs	WNY Chamber Orchestra												-
TBD	TBD	Central Services Differential (TBD)												
TBD	TBD	Proposed new Auditorium (800-seat)												
TBD	TBD	Proposed new Multipurpose (1,200)												
Total			54,918	135,108	139,847	28,534	84,930	58,635	107,588	97,974	61,147	32,653	3,165	804,499

		Current		Right-Sized Spaces: Part 2 of 3											
Organization Level 2	Organization Level 3: Department	All Staff	Full-Time Equivalent Faculty	Classrooms/ Lecture Halls	Laboratory Facilities	Special Use Facilities	Research Facilities	Departmental Support	Library Facilities	Administrative Facilities	Student/ Faculty Activity Facilities	Assembly & Exhibition Facilities	Central Service Facilities & Unassigned	Medical Facilities	Grand Total
Dean, School of Business	Business Administration	2.5	19.0				2,375	3,420		503	280				6,578
VP for Administration	Child/Day Care	22.5					-	-		728	2,898				3,626
VP for University Advancement	College Affairs	19.0					-	-		2,980					2,980
VP for Administration	cRuN (Credit Union)	6.0					-	-		880					880
VP for Administration	Faculty Support Staff Savings	-					-	120		-					120
VP for Administration	Fdn	4.0					-	-		665					665
VP for Administration	I&DR Equip/Space Steward (PSI)	-			3,920		-	-		-					3,920
VP for Administration	Incubator-Dunkirk	-			1,549		-	10,610		270	308				12,737
VP for Administration	Music - Recharges and Expenses	-					-	-		-					-
VP for Administration	Res Hall-Admin & Mgmt M&O	16.5					-	-		3,384					3,384
VP of Academic Affairs	Sabbatical Replace,Dean Grad Pro	-					-	-		-					-
VP for Student Affairs	Student Union	-					-	-		-	50,000				50,000
VP for Student Affairs	SUNY AC	2.5					-	-		395					395
VP of Academic Affairs	WNY Chamber Orchestra	1.5					-	-		253					253
TBD	Central Services Differential (TBD)												46,968		46,968
TBD	Proposed new Auditorium (800-seat)														-
TBD	Proposed new Multipurpose (1,200)											20,000			20,000
Total		824	355	66,766	145,199	143,827	57,485	74,839	80,601	94,316	106,315	82,317	79,621	3,091	934,377

Organization Level 2	Organization Level 3: Department	Projected: 2023		Projected Spaces: Part 3 of 3												
		All Staff	Full-Time Equivalent Faculty	Classrooms/Lecture Halls	Laboratory Facilities	Special Use Facilities	Research Facilities	Departmental Support	Library Facilities	Administrative Facilities	Student/Faculty Activity Facilities	Assembly & Exhibition Facilities	Central Service Facilities & Unassigned	Medical Facilities	Residence Facilities	
Dean, School of Business	Business Administration	4.0	30.5				3,813	5,490		690	280					
VP for Administration	Child/Day Care	34.5					-	-		728	2,898					
VP for University Advancement	College Affairs	27.0					-	-		4,165						
VP for Administration	cRuN (Credit Union)	6.5					-	-		943						
VP for Administration	Faculty Support Staff Savings	-					-	120		-						
VP for Administration	Fdn	7.5					-	-		1,218						
VP for Administration	I&DR Equip/Space Steward (PSI)	-			3,920		-	-		-						
VP for Administration	Incubator-Dunkirk	-			1,549		-	10,610		270	308					
VP for Administration	Music - Recharges and Expenses	-					-	-		-						
VP for Administration	Res Hall-Admin & Mgmt M&O	18.5					-	-		3,384						
VP of Academic Affairs	Sabbatical Replace,Dean Grad Pro	-					-	-		-						
VP for Student Affairs	Student Union	-					-	-		-	50,000					
VP for Student Affairs	SUNY AC	2.5					-	-		395						
VP of Academic Affairs	WNY Chamber Orchestra	1.5					-	-		253						
TBD	Central Services Differential (TBD)												51,760			
TBD	Proposed new Auditorium (800-seat)													30,000		
TBD	Proposed new Multipurpose (1,200)													20,000		
	Total	966	445	68,460	147,455	143,827	71,523	90,949	80,987	107,221	106,315	112,317	84,413	3,160	-	-

Organization Level 2	Organization Level 3: Department	Comments
Dean, School of Business	Business Administration	Research space could be used for trading room
VP for Administration	Child/Day Care	Placeholder; addressed by new building
VP for University Advancement	College Affairs	Additional 250 for conf room & 250 for storage. Coding issue.
VP for Administration	cRuN (Credit Union)	No space in PSI; values for personnel only
VP for Administration	Faculty Support Staff Savings	space rolled forward; personnel not found
VP for Administration	Fdn	No space in PSI; values for personnel only
VP for Administration	I&DR Equip/Space Steward (PSI)	no personnel assigned; open labs?
VP for Administration	Incubator-Dunkirk	Carried forward as is
VP for Administration	Music - Recharges and Expenses	No personnel; defunct?
VP for Administration	Res Hall-Admin & Mgmt M&O	Hold constant; located in Res. Halls.
VP of Academic Affairs	Sabbatical Replace,Dean Grad Pro	No personnel; defunct?
VP for Student Affairs	Student Union	Does not include office space (counted elsewhere). 10 asf/ft minus office space. Slightly overstated: excludes club space elsewhere (1,219 asf).
VP for Student Affairs	SUNY AC	Carried forward
VP of Academic Affairs	WNY Chamber Orchestra	Carried forward
TBD	Central Services Differential (TBD)	Mtg room differential (7,696) assumed by proposed new multipurpose space.
TBD	Proposed new Auditorium (800-seat)	800-seat auditorium slated for 2013
TBD	Proposed new Multipurpose (1,200)	1,200-person multipurpose room; current need
	Total	

The Master Planning Team Space Program - Summary by Organization

Organization Level 2	Organization Level 3: Department	Classrooms/ Lecture Halls	Laboratory Facilities	Special Use Facilities	Research Facilities	Departmental Support	Library Facilities	Administrative Facilities	Student/ Faculty Activity Facilities	Assembly & Exhibition Facilities	Central Service Facilities & Unassigned	Medical Facilities	Residence Facilities	Grand Total
Assistant VP Student Affairs	Outreach/Marketing								168					168
Right-Sized					-	-		-						-
Projected														-
Assistant VP Student Affairs	Student Counseling		167					1,110				55		1,332
Right-Sized					-	-		980						980
Projected					-	-		1,360						1,360
Assistant VP Student Affairs	Student Health Services							654				2,748		3,402
Right-Sized					-	-		1,005				3,091		4,096
Projected					-	-		1,255				3,160		4,415
Assoc VP, Graduate Studies & Research	Academic Planning							244						244
Right-Sized					-	-		-						-
Projected					-	-		-						-
Assoc VP, Graduate Studies & Research	Interdisciplinary Studies					134								134
Right-Sized					-	-		-						-
Projected					125	180		250						555
Assoc VP, Graduate Studies & Research	Research Administration					1,199		225						1,424
Right-Sized					-	-		-						-
Projected					-	-		-						-
Assoc VP, Graduate Studies & Research	Research Grants					240		330						570
Right-Sized					-	-		1,270						1,270
Projected					-	-		1,270						1,270
Associate VP & FSA Executive Director	ASC-Laundry										312			312
Right-Sized					-	-		-			312			312
Projected					-	-		-			312			312
Associate VP & FSA Executive Director	Auxiliary Service Corporation							7,338	2,752					10,090
Right-Sized					-	-		7,338	2,752					10,090
Projected					-	-		7,338	2,752					10,090
Associate VP & FSA Executive Director	Central Stores							192	136		2,400			2,728
Right-Sized					-	-		192			2,400			2,592
Projected					-	-		192			2,400			2,592
Associate VP & FSA Executive Director	Food Service-FSA Contract							3,932	36,825		7,083			47,840
Right-Sized					-	-		3,932	36,825		7,083			47,840
Projected					-	-		3,932	36,825		7,083			47,840
Associate VP Enrollment Services	Admissions							3,655		30				3,685
Right-Sized					-	-		2,660		1,200				3,860
Projected					-	-		3,325		1,200				4,525
Associate VP Enrollment Services	EOP Administration		345					680						1,025
Right-Sized			345		-	-		665	500					1,510
Projected			345		-	-		855	500					1,700
Associate VP Enrollment Services	EOP Tutoring			240										240
Right-Sized				240	-	-		-						240
Projected				240	-	-		-						240
Associate VP Enrollment Services	Fall/Spring Overflow Enrollment							301						301
Right-Sized					-	-		-						-
Projected					-	-		-						-
Associate VP Enrollment Services	Financial Aids							4,151						4,151
Right-Sized					-	-		2,140						2,140
Projected					-	-		2,520						2,520
Associate VP Enrollment Services	Liberty Partnerships							120						120
Right-Sized					-	-		-						-
Projected					-	-		-						-
Associate VP for Academic Affairs	Freshman Seminar							1,185						1,185
Right-Sized					-	-		-						-
Projected					-	-		-						-
Associate VP for Academic Affairs	Learning Center		1,860					1,496						3,356
Right-Sized			2,000		-	-		4,260						6,260
Projected			2,000		-	-		4,700						6,700

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Organization Level 2	Organization Level 3: Department	Classrooms/ Lecture Halls	Laboratory Facilities	Special Use Facilities	Research Facilities	Departmental Support	Library Facilities	Administrative Facilities	Student/ Faculty Activity Facilities	Assembly & Exhibition Facilities	Central Service Facilities & Unassigned	Medical Facilities	Residence Facilities	Grand Total
Associate VP for Academic Affairs	Native American Project							395						395
Right-Sized					-	-		285	250					535
Projected					-	-		285	250					535
Associate VP for Academic Affairs	Registrar							3,597						3,597
Right-Sized					-	-		1,815						1,815
Projected					-	-		2,065						2,065
Associate VP for Administration	Business Affairs							1,750						1,750
Right-Sized					-	-		-						-
Projected					-	-		-						-
Associate VP for Administration	Business Manager							672						672
Right-Sized					-	-		-						-
Projected					-	-		-						-
Associate VP for Administration	Finance & Administration							3,687						3,687
Right-Sized					-	-		-						-
Projected					-	-		-						-
Associate VP for Administration	Student Billing/Cashiering		50					3,184						3,234
Right-Sized					-	-		1,960						1,960
Projected					-	-		2,165						2,165
Associate VP for Information Technology	Computer Services							2,922						2,922
Right-Sized					-	-		4,355						4,355
Projected					-	-		4,855						4,855
Associate VP for Information Technology	Visual Media Services		588					42						630
Right-Sized			588		-	-		-						588
Projected			588		-	-		-						588
Building Services and Grounds Director	Buildings-Structural Maint							75			3,582			3,657
Right-Sized					-	-		-			3,582			3,582
Projected					-	-		-			3,582			3,582
Building Services and Grounds Director	Custodial Services		104	668				245	448					1,465
Right-Sized					-	-		5,480						5,480
Projected								6,880						6,880
Building Services and Grounds Director	Grounds Maintenance							34	336		4,681			5,051
Right-Sized					-	-		-			4,681			4,681
Projected								-			4,681			4,681
Building Services and Grounds Director	Res Hall-Buildings-Structural							315	1,435					1,750
Right-Sized					-	-		-	1,219					1,219
Projected					-	-		-	1,219					1,219
Building Services and Grounds Director	Res Hall-Custodial Services							1,057			834			1,891
Right-Sized					-	-		-			834			834
Projected					-	-		-			834			834
Dean, College of Arts and Sciences	Academic Computing					128		3,695						3,823
Right-Sized					-	-		-						-
Projected					-	-		-						-
Dean, College of Arts and Sciences	Biology		16,974	379	6,148	4,296		346	1,000	1,675				30,818
Right-Sized			12,240	4,106	4,510	1,980		425	1,000	1,675				25,936
Projected			12,616	4,106	6,150	2,700		425	1,000	1,675				28,672
Dean, College of Arts and Sciences	Chemistry & Biochemistry		8,215		7,603	2,524								18,342
Right-Sized			9,360		4,100	1,800		320						15,580
Projected			9,648		4,920	2,160		320						17,048
Dean, College of Arts and Sciences	Communication Disorders & Science		1,130	2,560		1,558		764						6,012
Right-Sized			2,538	3,560	688	990		1,210						8,986
Projected			2,538	3,560	1,063	1,530		1,210						9,901
Dean, College of Arts and Sciences	Communication Disorders Reimb		160											160
Right-Sized			160		-	-		-						160
Projected			160		-	-		-						160
Dean, College of Arts and Sciences	Communications	600	2,181	3,258		3,047		1,010	3,157					13,253
Right-Sized		600	4,000	3,258	1,750	2,520		160	3,157					15,445
Projected		600	4,000	3,258	2,125	3,060		160	3,157					16,360

Organization Level 2	Organization Level 3: Department	Classrooms/ Lecture Halls	Laboratory Facilities	Special Use Facilities	Research Facilities	Departmental Support	Library Facilities	Administrative Facilities	Student/ Faculty Activity Facilities	Assembly & Exhibition Facilities	Central Service Facilities & Unassigned	Medical Facilities	Residence Facilities	Grand Total
Dean, College of Arts and Sciences	Computer & Information Sciences		853		22	1,167		336						2,378
	Right-Sized		853		1,313	1,890		285						4,341
	Projected		853		1,563	2,250		285						4,951
Dean, College of Arts and Sciences	Educational Communications		2,652	6,937		1,794		512						11,895
	Right-Sized		2,652	6,937	-	-		-						9,589
	Projected		2,652	6,937	-	-		-						9,589
Dean, College of Arts and Sciences	English		130		1,118	4,843								6,091
	Right-Sized				3,813	5,490		265						9,568
	Projected				4,313	6,210		328						10,850
Dean, College of Arts and Sciences	Fine Arts Activities		10					756						766
	Right-Sized				-	-		725						725
	Projected				-	-		725						725
Dean, College of Arts and Sciences	Geology		7,868		2,588	2,414								12,870
	Right-Sized		5,482		2,460	1,080		63						9,085
	Projected		5,482		2,870	1,260		63						9,675
Dean, College of Arts and Sciences	Health And Physical Education	78	556	99,115		4,364		462	194					104,769
	Right-Sized			99,671	125	180		3,495	194					103,665
	Projected			99,671	125	180		4,000	194					104,170
Dean, College of Arts and Sciences	History	570				2,165		240						2,975
	Right-Sized				2,688	3,870		160						6,718
	Projected				3,125	4,500		160						7,785
Dean, College of Arts and Sciences	Mathematics		1,894		62	2,361		114	530					4,961
	Right-Sized		1,894		2,125	3,060		230						7,309
	Projected		1,894		2,750	3,960		230						8,834
Dean, College of Arts and Sciences	Modern Languages		923		685	2,404								4,012
	Right-Sized		698		1,375	1,980		223						4,276
	Projected		698		1,875	2,700		223						5,496
Dean, College of Arts and Sciences	Music - General Operations	3,253	27,039	1,052	892	9,272		2,906	2,746	8,982				56,142
	Right-Sized	785	28,665	1,052	9,125	13,140		1,023	2,152	8,982				64,924
	Projected	785	29,550	1,052	10,063	14,490		1,023	2,152	8,982				68,096
Dean, College of Arts and Sciences	Philosophy				190	1,335								1,525
	Right-Sized				750	1,080		-						1,830
	Projected				750	1,080		-						1,830
Dean, College of Arts and Sciences	Physics		10,107		4,716	2,438								17,261
	Right-Sized		8,808		2,255	990		80						12,133
	Projected		9,042		2,255	990		80						12,367
Dean, College of Arts and Sciences	Political Science				560	1,790								2,350
	Right-Sized				938	1,350		160						2,448
	Projected				1,313	1,890		160						3,363
Dean, College of Arts and Sciences	Psychology	684	53		1,233	2,100			275					4,345
	Right-Sized				5,535	2,430		195	275					8,435
	Projected				6,765	2,970		195	275					10,205
Dean, College of Arts and Sciences	School Of Business					622								622
	Right-Sized				-	-		280						280
	Projected				-	-		440						440
Dean, College of Arts and Sciences	Sociology/Anthropology	21			404	2,210								2,635
	Right-Sized				1,875	2,700		80						4,655
	Projected				2,313	3,330		80						5,723
Dean, College of Arts and Sciences	Theatre Arts	2,177	9,821	435		1,819				43,286	2,109			59,647
	Right-Sized	352	15,920		1,688	2,430		393		43,286	2,109			66,177
	Projected	352	16,379		2,063	2,970		393		43,286	2,109			67,551
Dean, College of Arts and Sciences	Visual Arts & New Media	495	25,654		623	5,255		133		5,277				37,437
	Right-Sized	481	35,647		2,125	3,060		588		5,277				47,178
	Projected	481	35,647		2,500	3,600		1,118		5,277				48,623
Dean, College of Education	Career Development-Student Placement							2,448						2,448
	Right-Sized				-	-		2,858						2,858
	Projected				-	-		3,238						3,238

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Organization Level 2	Organization Level 3: Department	Classrooms/ Lecture Halls	Laboratory Facilities	Special Use Facilities	Research Facilities	Departmental Support	Library Facilities	Administrative Facilities	Student/ Faculty Activity Facilities	Assembly & Exhibition Facilities	Central Service Facilities & Unassigned	Medical Facilities	Residence Facilities	Grand Total
Dean, College of Education	Education, Department of	34	3,082		585	4,943		110	210	620				9,584
Right-Sized			7,416		4,313	6,210		640	210	620				19,409
Projected			7,416		5,438	7,830		890	210	620				22,404
Dean, College of Education	Instruction General	7,905												7,905
Right-Sized					-	-		-						-
Projected					-	-		-						-
Dean, College of Education	Off-Campus Supervised Teaching					334		220						554
Right-Sized						-		-						-
Projected						-		-						-
Dean, College of Education	Reading Clinic Reimbursable			1,708	180	375								2,263
Right-Sized				1,708	-	-		-						1,708
Projected				1,708	-	-		-						1,708
Dean, School of Business	Business Administration	300				3,141			280					3,721
Right-Sized					2,375	3,420		503	280					6,578
Projected					3,813	5,490		690	280					10,273
Dean, School of Business	Economics		190			1,000								1,190
Right-Sized					813	1,170		160						2,143
Projected					1,125	1,620		160						2,905
Director of Public Relations	Central Duplicating & Printing							455			2,245			2,700
Right-Sized					-	-		-			2,245			2,245
Projected					-	-		-			2,245			2,245
Director of Public Relations	Publications							1,620						1,620
Right-Sized					-	-		800						800
Projected					-	-		800						800
Director of Residence Life	Veterans Admin Reporting Fee							188						188
Right-Sized					-	-		188						188
Projected					-	-		188						188
Director of University Services	Copy Center							547						547
Right-Sized					-	-		547						547
Projected					-	-		547						547
Director of University Services	Mail and Messenger							581						581
Right-Sized					-	-		581						581
Projected					-	-		581						581
Director of University Services	Maint (Mechanical) Stores Clerk							208						208
Right-Sized					-	-		510						510
Projected					-	-		510						510
Director of University Services	Recreational Facilities Reimburs		1,146	19,061		209				1,277				21,693
Right-Sized				19,061		209				1,277				20,547
Projected				19,061		209				1,277				20,547
Facilities Management Director	Equip-Bldg Sys-Util Dist Sys							239			1,519			1,758
Right-Sized					-	-		-			1,519			1,519
Projected					-	-		-			1,519			1,519
Facilities Management Director	Motorized Equipment Maintenance										4,637			4,637
Right-Sized					-	-		60			4,637			4,697
Projected					-	-		60			4,637			4,697
Facilities Management Director	Utilities Plant							126	161		811			1,098
Right-Sized					-	-		-			811			811
Projected					-	-		-			811			811
Office of Student Services	Counseling/Academic Advising							1,378						1,378
Right-Sized					-	-		610						610
Projected					63	90		798						951
Residence Life Director	Res Hall-Administration		42					2,352	4,015					6,409
Right-Sized					-	-			4,015					4,015
Projected					-	-			4,015					4,015
University Controller	Purchasing							860						860
Right-Sized					-	-		860						860
Projected					-	-		860						860

Organization Level 2	Organization Level 3: Department	Classrooms/ Lecture Halls	Laboratory Facilities	Special Use Facilities	Research Facilities	Departmental Support	Library Facilities	Administrative Facilities	Student/ Faculty Activity Facilities	Assembly & Exhibition Facilities	Central Service Facilities & Unassigned	Medical Facilities	Residence Facilities	Grand Total
VP for Administration	Administration & Management M&O		3,220					2,568	460		2,440			8,688
Right-Sized					-	-		3,173			2,440			5,613
Projected								3,785			2,440			6,225
VP for Administration	Campus Wide Facilities	38,801	2,278	4,234	399	310								46,022
Right-Sized		64,548	464	4,234	-	-		-						69,246
Projected		66,242	478	4,234	-	-		-						70,954
VP for Administration	Campus Wide Facilities-Classroom Support													-
Right-Sized					-	-		-						-
Projected					-	-		-						-
VP for Administration	Chief Administrative Office							2,745	666					3,411
Right-Sized					-	-		2,745						2,745
Projected								2,745						2,745
VP for Administration	Environmental Health & Safety							1,291						1,291
Right-Sized					-	-		1,291						1,291
Projected								1,291						1,291
VP for Administration	Facilities Planning							1,599						1,599
Right-Sized					-	-		850						850
Projected								1,135						1,135
VP for Administration	Human Resources							1,398						1,398
Right-Sized					-	-		1,260						1,260
Projected								1,260						1,260
VP for Administration	Child/Day Care							728	2,898					3,626
Right-Sized					-	-		728	2,898					3,626
Projected					-	-		728	2,898					3,626
VP for Administration	cRuN (Credit Union)													-
Right-Sized					-	-		880						880
Projected					-	-		943						943
VP for Administration	Faculty Support Staff Savings					120								120
Right-Sized					-	120		-						120
Projected					-	120		-						120
VP for Administration	Fdn													-
Right-Sized					-	-		665						665
Projected					-	-		1,218						1,218
VP for Administration	I&DR Equip/Space Steward.(PSI)		3,920	200										4,120
Right-Sized			3,920		-	-		-						3,920
Projected			3,920		-	-		-						3,920
VP for Administration	Incubator-Dunkirk		1,549			10,610		270	308					12,737
Right-Sized			1,549			10,610		270	308					12,737
Projected			1,549			10,610		270	308					12,737
VP for Administration	Music - Recharges and Expenses							166						166
Right-Sized					-	-		-						-
Projected					-	-		-						-
VP for Administration	Res Hall-Admin & Mgmt M&O							3,384						3,384
Right-Sized					-	-		3,384						3,384
Projected					-	-		3,384						3,384
VP for Student Affairs	Administration - Student Affairs							2,072	120					2,192
Right-Sized					-	-			120					120
Projected					-	-			120					120
VP for Student Affairs	Assessment					220								220
Right-Sized					-	-		-						-
Projected					63	90		125						278
VP for Student Affairs	Multicultural Affairs							407						407
Right-Sized					-	-		320						320
Projected					-	-		445						445
VP for Student Affairs	Security and Safety							1,769	800					2,569
Right-Sized					-	-		4,115						4,115
Projected					-	-		4,365						4,365

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Organization Level 2	Organization Level 3: Department	Classrooms/ Lecture Halls	Laboratory Facilities	Special Use Facilities	Research Facilities	Departmental Support	Library Facilities	Administrative Facilities	Student/ Faculty Activity Facilities	Assembly & Exhibition Facilities	Central Service Facilities & Unassigned	Medical Facilities	Residence Facilities	Grand Total
VP for Student Affairs	Student Union							8,332	36,106					44,438
Right-Sized					-	-		-	50,000					50,000
Projected					-	-		-	50,000					50,000
VP for Student Affairs	SUNY AC													-
Right-Sized					-	-		395						395
Projected					-	-		395						395
VP for Student Affairs	VP Student Affairs											160		160
Right-Sized					-	-		2,565						2,565
Projected					-	-		2,850						2,850
VP for University Advancement	College Affairs		319					3,056	244			82		3,701
Right-Sized					-	-		2,980						2,980
Projected					-	-		4,165						4,165
VP for University Advancement	Alumni Relations							605						605
Right-Sized					-	-		420						420
Projected					-	-		610						610
VP of Academic Affairs	Chief Academic Office							3,909	1,064					4,973
Right-Sized					625	900		3,288						4,813
Projected					1,563	2,250		4,973						8,785
VP of Academic Affairs	Dean of College of Education						763							763
Right-Sized					125	180		830						1,135
Projected					125	180		830						1,135
VP of Academic Affairs	Dean, Special Programs				526	704		764	160					2,154
Right-Sized					-	-		-	160					160
Projected					-	-		-	160					160
VP of Academic Affairs	Dean-Natural and Social Sciences							776						776
Right-Sized					-	-		-						-
Projected					-	-		-						-
VP of Academic Affairs	General Library					722	58,635	2,091	480					61,928
Right-Sized					-	-	80,601	2,840						83,441
Projected					313	450	80,987	2,840						84,590
VP of Academic Affairs	Institutional Studies							430						430
Right-Sized					-	-		690						690
Projected					-	-		1,065						1,065
VP of Academic Affairs	Lifelong Learning & Special Prog		28					2,864				120		3,012
Right-Sized					-	-		3,364						3,364
Projected					-	-		3,364						3,364
VP of Academic Affairs	Sabbatical Replace, Dean Grad Pro							170						170
Right-Sized					-	-		-						-
Projected					-	-		-						-
VP of Academic Affairs	WNY Chamber Orchestra							253						-
Right-Sized					-	-		253						253
Projected					-	-		253						253
TBD	Central Services Differential (TBD)													
Right-Sized											46,968			46,968
Projected											51,760			51,760
TBD	Proposed new Auditorium (800-seat)													-
Right-Sized														-
Projected										30,000				30,000
TBD	Proposed new Multipurpose (1,200)													-
Right-Sized										20,000				20,000
Projected										20,000				20,000
Total		54,918	135,108	139,847	28,534	84,930	58,635	107,588	97,974	61,147	32,653	3,165	-	804,449
Right-Sized		66,766	145,199	143,827	57,485	74,839	80,601	94,316	106,315	82,317	79,621	3,091	-	934,377
Projected		68,460	147,455	143,827	71,523	90,949	80,987	107,221	106,315	112,317	84,413	3,160	-	1,016,626

Campus-Wide Summary of Existing vs. Calculated and FMP Recommended Space

Campus:	SUNY Fredonia													
Proj.:														
Date:	DRAFT November 2010													
Line	Space Type	Existing Space Reported on PSI Fall 2009 (received 4-2010)	2009			2013			2018			2023		
			Calculated Space by SUNY Guidelines	Recommended Space by FMP Consultant	(Deficit) or Surplus from Exting	Calculated Space by SUNY Guidelines	Recommended Space by FMP Consultant	(Deficit) or Surplus from Exting	Calculated Space by SUNY Guidelines	Recommended Space by FMP Consultant	(Deficit) or Surplus from Exting	Calculated Space by SUNY Guidelines	Recommended Space by FMP Consultant	(Deficit) or Surplus from Exting
			FTE: 5,637.0			FTE: 5,718.3			FTE: 5,845.9			FTE: 5,865.2		
1.0	Instructional Classrooms/Lecture Halls													
1.1	Classrooms		27,716	43,798		28,115	43,798		28,744	45,338		28,838	45,338	
1.2	Lecture Halls			17,100			17,100			17,100			17,100	
1.3	Support at 10%		2,772	5,868		2,812	5,868		2,874	6,022		2,884	6,022	
	Sub-Total Registrar Controlled Space	54,918	30,488	66,766	(11,848)	30,927	66,766	(11,848)	31,619	68,460	(13,542)	31,722	68,460	(13,542)
2.0	Departmental Use													
2.1	Teaching Labs	79,890	16,782	87,192		17,024	87,192		17,404	89,448		17,462	89,448	
2.2	Individual Study Labs	27,706	27,706	51,301		27,706	51,301		27,706	51,301		27,706	51,301	
2.3	Departmental Research Labs	28,354	28,354	56,861		28,354	61,420		28,354	65,703		28,354	69,648	
2.4	Faculty & Staff Offices	69,781	55,840	62,940		60,400	68,070		64,240	72,390		68,560	77,250	
2.5	General & Special Use	23,309	23,309	4,106		23,309	4,106		23,309	4,106		23,309	4,106	
	Sub-Total Instructional & Dept Research	229,040	151,991	262,400	(33,360)	156,793	272,089	(43,049)	161,013	282,948	(53,908)	165,391	291,753	(62,713)
3-15	Campus-Wide Academic Support													
3.0	Health & Physical Education	104,073	120,000	122,966		120,000	122,966		120,000	122,966		120,000	122,966	
4.0	Data & Resources Center (IT)	4,151	20,208	4,478		20,208	4,539		20,208	4,634		20,208	4,649	
5.0	Organized Activities	16,017	16,017	21,407		16,017	11,514		16,017	11,667		16,017	21,407	
6.0	Organized (Sponsored) Research	570	570	1,270		570	1,270		570	1,270		570	1,270	
7.0	Public Services	40,500	40,500	12,873		40,500	12,873		40,500	12,873		40,500	12,873	
8.0	Assembly & Exhibition	59,870	29,139	82,317		29,139	112,317		29,139	112,317		29,139	112,317	
9.0	Library	61,448	61,120	80,601		63,160	80,864		64,324	81,307		65,121	81,750	
10.0	Student/Faculty Activities	102,110	59,189	106,315		60,042	106,495		61,382	106,315		61,585	106,315	
11.0	Student Health Services	3,699	3,699	3,271		3,699	3,115		3,699	3,334		3,699	3,340	
12.0	General Administration	83,593	45,096	90,093		45,746	102,191		46,767	115,521		46,922	105,115	
13.0	Central Services	44,510	36,320	79,621		36,320	77,487		36,320	79,115		36,320	84,413	
14.0	Building Services	43,258	18,430	-		18,694	-		18,947	-		19,116	-	
15.0	Inactive Space		-	-		-	-		-	-		-	-	
	Sub-Total Support Space	563,799	450,288	605,212	(41,413)	454,095	635,631	(71,832)	457,873	651,319	(87,520)	459,196	656,415	(92,616)
	Total Campus-Wide NASF	847,757	632,766	934,378	(86,621)	641,814	974,486	(126,729)	650,505	1,002,727	(154,970)	656,309	1,016,628	(168,871)
	Notes:													
	1.1 for SUNY includes Classrooms and Lecture Halls combined; departmentally calculated, unable to generate classroom versus lecture hall; 2013, 2018, and 2023 growth calculated by growth rate of campus FTE													
	1.2 - consultant maintained													
	2.1 for recommended by consultant, includes teaching labs and their support spaces													
	2.2, 2.3, and 2.5 maintained existing for SUNY; unable to calculate													
	2.4 consultant contains some spaces held constant such as Incubator-Dunkirk													
	5.0, 6.0, 7.0, 11.0 maintained existing throughout per "blue" book for SUNY													
	12.0 includes academic departmental spaces													
	Totals may not match due to rounding													
	14.0 SUNY includes as assignable space. Consultant does not program for Building Services; considered non-assignable.													
	9 November 2010 reclassification summary on comparison worksheets													

H APPENDICES

Comparisons of 2009 Existing vs. 2009 Calculated and Recommended Space																						
Campus: SUNY Fredonia (DRAFT November 2010)																						
Chart of Account	Department Name	Existing Space - Fall 2009								Calculated Space by Guidelines on 5,637 FTE (2009)							Recommended Space by FMP Consultant on 5,637 FTE (2009)					
		Registrar Instructional & Departmental Research Space						Total Department Use	Registrar Instructional & Departmental Research Space						Total Department Use	Registrar Instructional & Departmental Research Space					Total Department Use	
		Classroom Lec. Hall	Class Lab	Study Lab	Research & Support	Faculty & Staff Office	General Use		Classroom Lec. Hall	Class Lab	Study Lab	Research & Support	Faculty & Staff Office	General Use		Classroom Lec. Hall	Class Lab	Study Lab	Research & Support	Faculty & Staff Office		General Use
(line# in summary sheet)		1.1, 1.2, 1.3, 1.4	2.1, 2.6, 2.7	2.2	2.3	2.4	2.5	=sum 2.1-2.5	1.1 & 1.2	2.1	2.2	2.3	2.4	2.5	=sum 2.1-2.5	1.1 & 1.2	2.1	2.2	2.3	2.4	2.5	=sum 2.1-2.5
8600090000	Academic Computing					128		128														
5500010000	Academic Planning																					
6300160000	American Studies								71													
6300130000	Assessment					220		220														
6300150000	Biology		9,860		6,148	4,296	7,493	27,797	1,349	2,230		6,148	1,760	7,493	17,631		12,240		4,510	1,980	4,106	22,836
4200000000	Business Administration	300				3,141		3,141	1,630				3,040		3,040				2,375	3,420		5,795
6300180000	Campus Wide Facilities	38,801	2,278		399	310		2,987				399			399		464					464
5000950000	Chemistry & Biochemistry		6,959		7,603	2,524	1,256	18,342	546	1,996		7,603	1,600	1,256	12,455		9,360		4,100	1,800		15,260
6300900000	Communication Disorders & Science		1,130		22	1,558	2,560	5,270	608			22	880	2,560	3,462		1,768	770	688	990		4,216
4200190000	Communications	600	2,064			3,047	3,375	8,486	900	223			2,240	3,375	5,838	600	2,548	1,452	1,750	2,520		8,270
8600170000	Computer & Information Sciences			853		1,167		2,020	715		853		1,680		2,533		853	1,313	1,890			4,056
8600050000	Counseling/Academic Advising																					
4200020000	Dean of College of Education					763		763					160		160				125	180		305
4200020000	Dean, Special Programs				526	704		1,230				526			526							
4200010000	Dean-Natural and Social Sciences																					
6300270000	Economics		190			1,000		1,190	907				1,040		1,040				813	1,170		1,983
5000280000	Education, Department Of	34	2,858		585	4,943	224	8,610	394	2,327		585	5,520	224	8,656		7,416		4,313	6,210		17,939
6300310000	Education: Language, Learning & Leadership																					
9800120000	English			130	1,118	4,843		6,091	2,833	106	130	1,118	4,880		6,234				3,813	5,490		9,303
9600050000	Faculty Support Staff Savings					120		120												120		120
8600450000	Fall/Spring Overflow Enrollment																					
6300410000	Freshman Seminar																					
6300410000	Geographic Information Systems									45					45							
6300410000	Geology		5,576	490	2,588	2,414	1,802	12,870	939	457	490	2,588	960	1,802	6,297		4,992	490	2,460	1,080		9,022
6300450000	Health and Physical Education	78	506			4,364	50	4,920					50		50				125			125
6300460000	Honors	570				2,165		2,165	3,097	127			3,440		3,567				2,688	3,870		6,558
8600970000	I&DR Equip/Space Steward(PSI)		29	3,891			200	4,120			3,891			200	4,091			3,920				3,920
4000000000	Instruction General	7,905															58,680					
4000000000	Instruction General - Support									2,772							5,868					
5200030000	Interdisciplinary Studies					134		134	131	660					660							
9800680000	Liberal Arts Freshman Year Experience									77												
9800680000	Liberty Partnerships																					
6300630000	Mathematics			1,831	62	2,361	63	4,317	2,200	153	1,831	62	2,720	63	4,829			1,894	2,125	3,060		7,079
6300360000	Modern Languages		275	648	685	2,404		4,012	886		648	685	1,760		3,093			698	1,375	1,980		4,053
6900660000	Music - General Operations	3,253	9,678	14,219	892	9,272	4,194	38,255	2,346	241	14,219	892	11,680	4,194	31,226	785	3,214	25,451	9,125	13,140		50,930
6900660100	Music - Recharges and Expenses																					
5000700000	Off-Campus Supervised Teaching					334		334														
9000650000	Outreach/Marketing																					
6300730000	Philosophy				190	1,335		1,525	962			190	960		1,150				750	1,080		1,830
6300760000	Physics		7,526	1,216	4,716	2,438	1,365	17,261	513	518	1,216	4,716	880	1,365	8,695		7,592	1,216	2,255	990		12,053
6300770000	Political Science				560	1,790		2,350	987			560	1,200		1,760				938	1,350		2,288
6300780000	Psychology	684	53		1,233	2,100		3,386	1,530			1,233	2,160		3,393				5,535	2,430		7,965
8600330000	Sabbatical Replace,Dean Grad Pro																					
6300170000	School of Business					622		622														
6300880000	Social Work								181													
6300880000	Sociology/Anthropology	21			404	2,210		2,614	1,649			404	2,400		2,804				1,875	2,700		4,575
6300880000	Special Studies (EDP)									28												
6300880000	Sports Management & Exercise Science									392												
5200900000	Theatre Arts	2,177	8,000	1,821		1,819		11,640	341	3,299	1,821		2,160		7,280	352	14,014	1,906	1,688	2,430		20,038
6300090000	Visual Arts & New Media	495	22,908	2,019	623	5,255	727	31,532	444	3,586	2,019	623	2,720	727	9,675	481	23,584	12,063	3,060		38,707	
9000110000	Visual Media Services			588				588			588				588			588	2,125			2,713
6300170000	Women's Studies								42													
Total	Instructional & Dept Research	54,918	79,890	27,706	28,354	69,781	23,309	229,040	30,488	16,782	27,706	28,354	55,840	23,309	151,991	66,766	87,192	51,301	56,861	62,940	4,106	262,400
9 November 2010 Reclassification Total to the following campus-wide academics support units: Organized Activities, Public Service, Library, Student Health Services, General Administration, and Central Services																		6,706	625	11,899		

Comparisons of 2009 Existing vs. 2013 Calculated and Recommended Space																							
Campus:		SUNY Fredonia (DRAFT November 2010)																					
Chart of Account	Department Name	Existing Space - Fall 2009							Calculated Space by Guidelines on 5,718.3 FTE (2013)							Recommended Space by FMP Consultant on 5,718.3 FTE (2013)							
		Registrar Classroom Lec. Hall	Instructional & Departmental Research Space			Total Department Use	Registrar Classroom Lec. Hall	Instructional & Departmental Research Space			Total Department Use	Registrar Classroom Lec. Hall	Instructional & Departmental Research Space			Total Department Use							
(line# in summary sheet)		1.1, 1.2, 1.3, 1.4	2.1, 2.6, 2.7	2.2	2.3	2.4	2.5	=sum 2.1-2.5	1.1 & 1.2	2.1	2.2	2.3	2.4	2.5	=sum 2.1-2.5	1.1 & 1.2	2.1	2.2	2.3	2.4	2.5	=sum 2.1-2.5	
8600090000	Academic Computing					128		128	-	-					-							-	
5500010000	Academic Planning							-	-	-					-							-	
	American Studies							-	72	-					-							-	
6300160000	Assessment						220	220	-	-					-							-	
6300130000	Biology		9,860		6,148	4,296	7,493	27,797	1,369	2,262		6,148	1,920	7,493	17,823			12,240		4,920.00	2,160	4,106	23,426
6300150000	Business Administration	300				3,141		3,141	1,653	-			3,840		3,840					3,000.00	4,320		7,320
4200000000	Campus Wide Facilities	38,801	2,278		399	310		2,987	-	-		399			399			464					464
6300180000	Chemistry & Biochemistry		6,959		7,603	2,524	1,256	18,342	554	2,024		7,603	1,680	1,256	12,563			9,360		4,305.00	1,890		15,555
5000950000	Communication Disorders & Science		1,130		22	1,558	2,560	5,270	617	-		22	1,120	2,560	3,702			1,768	770	875.00	1,260		4,673
6300900000	Communications	600	2,064			3,047	3,375	8,486	913	226			2,320	3,375	5,921	600		2,548	1,452	1,812.50	2,610		8,423
4200190000	Computer & Information Sciences			853		1,167		2,020	726	-	853		1,920		2,773			853		1,500.00	2,160		4,513
8600170000	Counseling/Academic Advising							-	-	-			80		80					62.50	90		153
8600050000	Dean of College of Education					763		763	-	-			160		160					125.00	180		305
4200020000	Dean, Special Programs				526	704		1,230	-	-		526			526								-
4200010000	Dean-Natural and Social Sciences							-	-	-					-								-
6300270000	Economics		190			1,000		1,190	920	-			1,120		1,120					875.00	1,260		2,135
5000280000	Education, Department Of	34	2,858		585	4,943	224	8,610	400	2,360		585	6,000	224	9,169			7,416		4,687.50	6,750		18,854
	Education: Language, Learning & Leadership							-	876	827					827								-
6300310000	English			130	1,118	4,843		6,091	2,873	107	130	1,118	4,960		6,315					3,875.00	5,580		9,455
9800120000	Faculty Support Staff Savings					120		120	-	-					-						120		120
9600050000	Fall/Spring Overflow Enrollment							-	-	-					-								-
8600450000	Freshman Seminar							-	-	-					-								-
	Geographic Information Systems							-	45	-					45								-
6300410000	Geology		5,576	490	2,588	2,414	1,802	12,870	952	463	490	2,588	1,120	1,802	6,463			4,992	490	2,870.00	1,260		9,612
6300450000	Health and Physical Education	78	506			4,364	50	4,920	-	-				50	50					125.00			125
6300460000	History	570				2,165		2,165	3,142	129			3,520		3,649					2,750.00	3,960		6,710
	Honors							-	158	-					-								-
8600970000	I&DR Equip/Space Steward(PSI)		29	3,891			200	4,120	-	-	3,891			200	4,091				3,920				3,920
4000000000	Instruction General	7,905						-	-	-					-		58,680						-
4000000000	Instruction General - Support							-	2,812	-					-		5,868						-
5200030000	Interdisciplinary Studies					134		134	133	669			160		829					125.00	180		305
	Liberal Arts Freshman Year Experience							-	78	-					-								-
9800680000	Liberty Partnerships							-	-	-					-								-
6300630000	Mathematics			1,831	62	2,361	63	4,317	2,232	155	1,831	62	2,960	63	5,071				1,894	2,312.50	3,330		7,537
6300360000	Modern Languages		275	648	685	2,404		4,012	899	-	648	685	2,080		3,413				698	1,625.00	2,340		4,663
6900660000	Music - General Operations	3,253	9,678	14,219	892	9,272	4,194	38,255	2,380	245	14,219	892	12,080	4,194	31,630	785	3,214	25,451	9,437.50	13,590			51,693
6900660100	Music - Recharges and Expenses							-	-	-					-								-
5000700000	Off-Campus Supervised Teaching					334		334	-	-					-								-
9000650000	Outreach/Marketing							-	-	-					-								-
6300730000	Philosophy				190	1,335		1,525	975	-		190	960		1,150					750.00	1,080		1,830
6300760000	Physics		7,526	1,216	4,716	2,438	1,365	17,261	520	525	1,216	4,716	880	1,365	8,702			7,592	1,216	2,255.00	990		12,053
6300770000	Political Science				560	1,790		2,350	1,001	-		560	1,360		1,920					1,062.50	1,530		2,593
6300780000	Psychology	684	53		1,233	2,100		3,386	1,552	-		1,233	2,320		3,553					5,945.00	2,610		8,555
8600330000	Sabbatical Replace,Dean Grad Pro							-	-	-					-								-
6300170000	School of Business					622		622	-	-					-								-
	Social Work							-	183	-					-								-
6300880000	Sociology/Anthropology	21			404	2,210		2,614	1,673	-		404	2,640		3,044					2,062.50	2,970		5,033
	Special Studies (EDP)							-	28	-					-								-
	Sports Management & Exercise Science							-	397	-					-								-
5200900000	Theatre Arts	2,177	8,000	1,821		1,819		11,640	346	3,346	1,821		2,320		7,487	352	14,014	1,906	1,812.50	2,610			20,343
6300090000	Visual Arts & New Media	495	22,908	2,019	623	5,255	727	31,532	451	3,638	2,019	623	2,880	727	9,887	481	23,584	12,063	2,250.00	3,240			41,137
9000110000	Visual Media Services			588				588	-	-	588				588					588			588
	Women's Studies							-	42	-					-								-
								-	-	-					-								-
Total	Instructional & Dept Research	54,918	79,890	27,706	28,354	69,781	23,309	229,040	30,927	17,024	27,706	28,354	60,400	23,309	156,793	66,766	87,192	51,301	61,420	68,070	4,106	272,089	
9 November 2010 Reclassification Total to the following campus-wide academics support units: Organized Activities, Public Service, Library, Student Health Services, General Administration, and Central Services																				6,706	1,188	12,709	

H APPENDICES

Comparisons of 2009 Existing vs. 2018 Calculated and Recommended Space																							
Campus:		SUNY Fredonia (DRAFT November 2010)																					
Chart of Account	Department Name	Existing Space - Fall 2009							Calculated Space by Guidelines on 5,845.9 FTE (2018)							Recommended Space by FMP Consultant on 5,845.9 FTE (2018)							
		Registrar Classroom Lec. Hall	Class Lab	Study Lab	Research & Support	Faculty & Staff Office	General Use	Total Department Use	Registrar Classroom Lec. Hall	Class Lab	Study Lab	Research & Support	Faculty & Staff Office	General Use	Total Department Use	Registrar Classroom Lec. Hall	Class Lab	Study Lab	Research & Support	Faculty & Staff Office	General Use	Total Department Use	
	(line# in summary sheet)	1.1, 1.2, 1.3, 1.4	2.1, 2.6, 2.7	2.2	2.3	2.4	2.5	=sum 2.1-2.5	1.1 & 1.2	2.1	2.2	2.3	2.4	2.5	=sum 2.1-2.5	1.1 & 1.2	2.1	2.2	2.3	2.4	2.5	=sum 2.1-2.5	
8600090000	Academic Computing					128		128	-	-					-						63	63	
5500010000	Academic Planning							-	-	-					-							-	
	American Studies							-	74	-					-							-	
6300160000	Assessment					220		220	-	-			80		80						63	90	153
6300130000	Biology		9,860		6,148	4,296	7,493	27,797	1,399	2,313		6,148	2,160	7,493	18,114		12,616		5,535	2,430	4,106	24,687	
6300150000	Business Administration	300				3,141		3,141	1,690	-			4,320		4,320					3,375	4,860	8,235	
4200000000	Campus Wide Facilities	38,801	2,278		399	310		2,987	-	-		399			399		478					478	
6300180000	Chemistry & Biochemistry		6,959		7,603	2,524	1,256	18,342	566	2,070		7,603	1,920	1,256	12,849		9,648		4,920	2,160		16,728	
5000950000	Communication Disorders & Science		1,130		22	1,558	2,560	5,270	631	-		22	1,200	2,560	3,782		1,768	770	938	1,350		4,826	
6300900000	Communications	600	2,064			3,047	3,375	8,486	933	231			2,560	3,375	6,166	600	2,548	1,452	2,000	2,880		8,880	
4200190000	Computer & Information Sciences			853		1,167		2,020	742	-	853		1,920		2,773			853	1,500	2,160		4,513	
8600170000	Counseling/Academic Advising							-	-	-					80							90	
8600050000	Dean of College of Education					763		763	-	-			160		160				125	180		305	
4200020000	Dean, Special Programs				526	704		1,230	-	-		526			526							-	
4200010000	Dean-Natural and Social Sciences							-	-	-					-							-	
6300270000	Economics		190			1,000		1,190	940	-			1,280		1,280					1,000	1,440	2,440	
5000280000	Education, Department Of	34	2,858		585	4,943	224	8,610	409	2,413		585	6,480	224	9,702		7,416		5,063	7,290		19,769	
	Education: Language, Learning & Leadership							-	896	845					845							-	
6300310000	English			130	1,118	4,843		6,091	2,938	110	130	1,118	5,280		6,638				4,125	5,940		10,065	
9800120000	Faculty Support Staff Savings					120		120	-	-					-						120	120	
9600050000	Fall/Spring Overflow Enrollment							-	-	-					-							-	
8600450000	Freshman Seminar							-	-	-					-							-	
	Geographic Information Systems							-	-	46					46							-	
6300410000	Geology		5,576	490	2,588	2,414	1,802	12,870	973	474	490	2,588	1,120	1,802	6,474		4,992	490	2,870	1,260		9,612	
6300450000	Health and Physical Education	78	506			4,364	50	4,920	-	-				50	50					125		125	
6300460000	History	570				2,165		2,165	3,212	132			3,760		3,892				2,938	4,230		7,168	
	Honors							-	161	-					-							-	
8600970000	I&DR Equip/Space Steward(PSI)		29	3,891			200	4,120	-	-	3,891			200	4,091			3,920				3,920	
4000000000	Instruction General	7,905						-	-	-					-	60,220						-	
4000000000	Instruction General - Support							-	2,875	-					-	6,022						-	
5200030000	Interdisciplinary Studies					134		134	136	684			160		844					125	180	305	
	Liberal Arts Freshman Year Experience							-	80	-					-							-	
9800680000	Liberty Partnerships							-	-	-					-							-	
6300630000	Mathematics			1,831	62	2,361	63	4,317	2,282	159	1,831	62	3,280	63	5,395			1,894	2,563	3,690		8,147	
6300360000	Modern Languages		275	648	685	2,404		4,012	919	-	648	685	2,160		3,493			698	1,688	2,430		4,816	
6900660000	Music - General Operations	3,253	9,678	14,219	892	9,272	4,194	38,255	2,433	250	14,219	892	12,560	4,194	32,115	785	4,099	25,451	9,813	14,130		53,493	
6900660100	Music - Recharges and Expenses							-	-	-					-							-	
5000700000	Off-Campus Supervised Teaching					334		334	-	-					-							-	
9000650000	Outreach/Marketing							-	-	-					-							-	
6300730000	Philosophy				190	1,335		1,525	997	-		190	960		1,150				750	1,080		1,830	
6300760000	Physics		7,526	1,216	4,716	2,438	1,365	17,261	532	537	1,216	4,716	880	1,365	8,714		7,826	1,216	2,255	990		12,287	
6300770000	Political Science				560	1,790		2,350	1,023	-		560	1,440		2,000				1,125	1,620		2,745	
6300780000	Psychology	684	53		1,233	2,100		3,386	1,586	-		1,233	2,560		3,793				6,560	2,880		9,440	
8600330000	Sabbatical Replace,Dean Grad Pro							-	-	-					-							-	
6300170000	School of Business					622		622	-	-					-							-	
	Social Work							-	187	-					-							-	
6300880000	Sociology/Anthropology	21			404	2,210		2,614	1,710	-		404	2,560		2,964				2,000	2,880		4,880	
	Special Studies (EDP)							-	29	-					-							-	
	Sports Management & Exercise Science							-	406	-					-							-	
5200900000	Theatre Arts	2,177	8,000	1,821		1,819		11,640	353	3,421	1,821		2,240		7,482	352	14,473	1,906	1,750	2,520		20,649	
6300090000	Visual Arts & New Media	495	22,908	2,019	623	5,255	727	31,532	461	3,719	2,019	623	3,120	727	10,208	481	23,584	12,063	2,438	3,510		41,595	
9000110000	Visual Media Services			588				588	-	-	588				588			588				588	
	Women's Studies							-	43	-					-							-	
								-	-	-					-							-	
Total	Instructional & Dept Research	54,918	79,890	27,706	28,354	69,781	23,309	229,040	31,618	17,404	27,706	28,354	64,240	23,309	161,013	68,460	89,448	51,301	65,703	72,390	4,106	282,948	
9 November 2010 Reclassification Total to the following campus-wide academics support units: Organized Activities, Public Service, Library, Student Health Services, General Administration, and Central Services																		6,706	1,563	13,249			

Comparisons of 2009 Existing vs. 2023 Calculated and Recommended Space																							
Campus:		SUNY Fredonia (DRAFT November 2010)																					
Chart of Account	Department Name	Existing Space - Fall 2009							Calculated Space by Guidelines on 5,865.2 FTE (2023)							Recommended Space by FMP Consultant on 5,865.2 FTE (2023)							
		Registrar	Instructional & Departmental Research Space					Total	Registrar	Instructional & Departmental Research Space					Total	Registrar	Instructional & Departmental Research Space					Total	
		Classroom Lec. Hall	Class Lab	Study Lab	Research & Support	Faculty & Staff Office	General Use	Department Use	Classroom Lec. Hall	Class Lab	Study Lab	Research & Support	Faculty & Staff Office	General Use	Department Use	Classroom Lec. Hall	Class Lab	Study Lab	Research & Support	Faculty & Staff Office	General Use	Department Use	
(line# in summary sheet)	1.1, 1.2, 1.3, 1.4	2.1, 2.6, 2.7	2.2	2.3	2.4	2.5	=sum 2.1-2.5	1.1 & 1.2	2.1	2.2	2.3	2.4	2.5	=sum 2.1-2.5	1.1 & 1.2	2.1	2.2	2.3	2.4	2.5	=sum 2.1-2.5		
8600090000	Academic Computing						128	128	-	-				-							63	63	
5500010000	Academic Planning								-	-				-									
	American Studies									74													
6300160000	Assessment						220	220					80	80					63	90		153	
6300130000	Biology		9,860		6,148	4,296	7,493	27,797	1,404	2,321		6,148	2,400	7,493	18,362		12,616		6,150	2,700	4,106	25,572	
6300150000	Business Administration	300				3,141		3,141	1,696				4,880	4,880							90	9,303	
4200000000	Campus Wide Facilities	38,801	2,278		399	310		2,987				399		399			478		3,813	5,490		478	
6300180000	Chemistry & Biochemistry		6,959		7,603	2,524	1,256	18,342	568	2,076		7,603	1,920	1,256	12,855		9,648		4,920	2,160		16,728	
5000950000	Communication Disorders & Science		1,130		22	1,558	2,560	5,270	633				1,360	2,560	3,942		1,768	770	1,063	1,530		5,131	
6300900000	Communications	600	2,064			3,047	3,375	8,486	937	232			2,720	3,375	6,327	600	2,548	1,452	2,125	3,060		9,185	
4200190000	Computer & Information Sciences			853		1,167		2,020	744		853		2,000	2,853			853	1,563	2,250			4,666	
8600170000	Counseling/Academic Advising												80	80						90		90	
8600050000	Dean of College of Education					763		763					160	160					125	180		305	
4200020000	Dean, Special Programs				526	704		1,230				526		526									
4200010000	Dean-Natural and Social Sciences																						
6300270000	Economics		190			1,000		1,190	943				1,440	1,440					1,125	1,620		2,745	
5000280000	Education, Department Of	34	2,858		585	4,943	224	8,610	410	2,421		585	6,960	224	10,190		7,416		5,438	7,830		20,684	
	Education: Language, Learning & Leadership									899	848				848								
6300310000	English			130	1,118	4,843		6,091	2,947	110	130	1,118	5,520	6,878					4,313	6,210		10,523	
9800120000	Faculty Support Staff Savings					120		120												120		120	
9600050000	Fall/Spring Overflow Enrollment																						
8600450000	Freshman Seminar																						
	Geographic Information Systems									47				47									
6300410000	Geology		5,576	490	2,588	2,414	1,802	12,870	977	475	490	2,588	1,120	1,802	6,475		4,992	490	2,870	1,260		9,612	
6300450000	Health and Physical Education	78	506			4,364	50	4,920					50	50					125			125	
6300460000	History	570				2,165		2,165	3,223	132			4,000	4,132					3,125	4,500		7,625	
	Honors								162														
8600970000	I&DR Equip/Space Steward(PSI)		29	3,891			200	4,120			3,891			4,091								3,920	
4000000000	Instruction General	7,905															60,220						
4000000000	Instruction General - Support								2,884								6,022						
5200030000	Interdisciplinary Studies					134		134	136	687			160	847					125	180		305	
	Liberal Arts Freshman Year Experience								80														
9800680000	Liberty Partnerships																						
6300630000	Mathematics		1,831	62	2,361	63		4,317	2,289	159	1,831	62	3,520	63	5,635			1,894	2,750	3,960		8,604	
6300360000	Modern Languages		275	648	685	2,404		4,012	922		648	685	2,400	3,733				698	1,875	2,700		5,273	
6900660000	Music - General Operations	3,253	9,678	14,219	892	9,272	4,194	38,255	2,441	251	14,219	892	12,880	4,194	32,436	785	4,099	25,451	10,063	14,490		54,103	
6900660100	Music - Recharges and Expenses																						
5000700000	Off-Campus Supervised Teaching					334		334															
9000650000	Outreach/Marketing																						
6300730000	Philosophy				190	1,335		1,525	1,001			190	960	1,150					750	1,080		1,830	
6300760000	Physics		7,526	1,216	4,716	2,438	1,365	17,261	534	539	1,216	4,716	880	1,365	8,716		7,826	1,216	2,255	990		12,287	
6300770000	Political Science				560	1,790		2,350	1,027			560	1,680	2,240					1,313	1,890		3,203	
6300780000	Psychology	684	53		1,233	2,100		3,386	1,592			1,233	2,640	3,873					6,765	2,970		9,735	
8600330000	Sabbatical Replace,Dean Grad Pro																						
6300170000	School of Business					622		622															
	Social Work								188														
6300880000	Sociology/Anthropology	21			404	2,210		2,614	1,716			404	2,960	3,364					2,313	3,330		5,643	
	Special Studies (EDP)								29														
	Sports Management & Exercise Science								407														
5200900000	Theatre Arts	2,177	8,000	1,821		1,819		11,640	355	3,433	1,821		2,640	7,894	352	14,473	1,906	2,063	2,970		21,412		
6300090000	Visual Arts & New Media	495	22,908	2,019	623	5,255	727	31,532	462	3,732	2,019	623	3,200	727	10,301	481	23,584	12,063	2,500	3,600		41,747	
9000110000	Visual Media Services			588				588			588			588				588				588	
	Women's Studies								43														
Total	Instructional & Dept Research	54,918	79,890	27,706	28,354	69,781	23,309	229,040	31,722	17,462	27,706	28,354	68,560	23,309	165,391	68,460	89,448	51,301	69,648	77,250	4,106	291,753	
9 November 2010 Reclassification Total to the following campus-wide academics support units: Organized Activities, Public Service, Library, Student Health Services, General Administration, and Central Services																	6,706	1,876	13,699				

Students and Faculty FTES

College SUNY Fredonia (DRAFT November 2010)

Chart of Accounts	Department Name	Fall 2009 FTE: 5637.0						Fall 2013 FTE: 5718.3						Fall 2018 FTE: 5845.9						Fall 2023 FTE: 5865.2									
		100-200 LD	300-400 UD	500 G1	600 G2	700 G2H	Total Faculty	Total Student FTE	LD	UD	G1	G2	G2H	Faculty	Total Student FTE	LD	UD	G1	G2	G2H	Faculty	Total Student FTE	LD	UD	G1	G2	G2H	Faculty	Total Student
8600090000	Academic Computing																												
5500010000	Academic Planning																												
	American Studies	8.00	1.40	-	-	-	-	9.4	8.1	1.4	-	-	-	-	9.5	8.3	1.5	-	-	-	-	-	9.7	8.3	1.5	-	-	9.8	
6300160000	Assessment																			0.5							0.5		
6300130000	Biology	145.13	73.87	7.75	0.58	-	11.0	227.3	147.2	74.9	7.9	0.6	-	12.0	230.6	150.5	76.6	8.0	0.6	-	13.5	235.8	151.0	76.9	8.1	0.6	-	15.0	236.5
6300150000	Business Administration	97.20	189.60	-	-	-	19.0	286.8	98.6	192.3	-	-	-	24.0	290.9	100.8	196.6	-	-	-	27.0	297.4	101.1	197.3	-	-	-	30.5	298.4
4200000000	Campus Wide Facilities																												
6300180000	Chemistry & Biochemistry	86.00	20.87	1.00	-	-	10.0	107.9	87.2	21.2	1.0	-	-	10.5	109.4	89.2	21.6	1.0	-	-	12.0	111.9	89.5	21.7	1.0	-	-	12.0	112.2
5000950000	Communication Disorders & Science	27.33	37.20	42.50	3.75	-	5.5	110.8	27.7	37.7	43.1	3.8	-	7.0	112.4	28.3	38.6	44.1	3.9	-	7.5	114.9	28.4	38.7	44.2	3.9	-	8.5	115.3
6300900000	Communications	156.87	86.53	-	-	-	14.0	243.4	159.1	87.8	-	-	-	14.5	246.9	162.7	89.7	-	-	-	16.0	252.4	163.2	90.0	-	-	-	17.0	253.3
4200190000	Computer & Information Sciences	175.67	32.60	-	-	-	10.5	208.3	178.2	33.1	-	-	-	12.0	211.3	182.2	33.8	-	-	-	12.0	216.0	182.8	33.9	-	-	-	12.5	216.7
8600170000	Counseling/Academic Advising													0.5							0.5						0.5		
8600050000	Dean of College of Education						1.0							1.0							1.0						1.0		
4200020000	Dean, Special Programs																												
4200010000	Dean-Natural and Social Sciences																												
6300270000	Economics	120.80	43.60	-	-	-	6.5	164.4	122.5	44.2	-	-	-	7.0	166.8	125.3	45.2	-	-	-	8.0	170.5	125.7	45.4	-	-	-	9.0	171.1
5000280000	Education, Department Of	59.6	96.4	29.5	4.3	-	34.5	189.8	60.5	97.8	29.9	4.3	-	37.5	192.5	61.8	100.0	30.6	4.4	-	40.5	196.8	62.0	100.3	30.7	4.4	-	43.5	197.4
	Education: Language, Learning & Leadership	71.80	80.73	55.75	25.25	-		233.5	72.8	81.9	56.6	25.6	-		236.9	74.5	83.7	57.8	26.2	-		242.2	74.7	84.0	58.0	26.3	-		243.0
6300310000	English	285.80	134.20	14.50	0.13	-	30.5	434.6	289.9	136.1	14.7	0.1	-	31.0	440.9	296.4	139.2	15.0	0.1	-	33.0	450.7	297.4	139.6	15.1	0.1	-	34.5	452.2
9800120000	Faculty Support Staff Savings																												
9600050000	Fall/Spring Overflow Enrollment																												
8600450000	Freshman Seminar																												
	Geographic Information Systems	7.60	0.27	-	-	-		7.9	7.7	0.3	-	-	-		8.0	7.9	0.3	-	-	-		8.2	7.9	0.3	-	-	-		8.2
	Geology	127.60	23.60	-	-	-	6.0	151.2	129.4	23.9	-	-	-	7.0	153.4	132.3	24.5	-	-	-	7.0	156.8	132.8	24.6	-	-	-	7.0	157.3
6300450000	Health and Physical Education																												
6300460000	History	367.60	84.20	-	-	-	21.5	451.8	372.9	85.4	-	-	-	22.0	458.3	381.2	87.3	-	-	-	23.5	468.5	382.5	87.6	-	-	-	25.0	470.1
	Honors	31.00	2.80	-	-	-		33.8	31.4	2.8	-	-	-		34.3	32.1	2.9	-	-	-		35.1	32.3	2.9	-	-	-		35.2
8600970000	I&DR Equip/Space Steward(PSI)																												
4000000000	Instruction General																												
5200030000	Interdisciplinary Studies	8.60	41.93	4.00	4.00	-		58.5	8.7	42.5	4.1	4.1	-	1.0	59.4	8.9	43.5	4.1	4.1	-	1.0	60.7	8.9	43.6	4.2	4.2	-	1.0	60.9
	Liberal Arts Freshman Year Experience	8.13	-	-	-	-		8.1	8.2	-	-	-	-		8.2	8.4	-	-	-	-		8.4	8.5	-	-	-	-		8.5
9800680000	Liberty Partnerships																												
6300630000	Mathematics	291.53	92.93	2.50	-	-	17.0	387.0	295.7	94.3	2.5	-	-	18.5	392.5	302.3	96.4	2.6	-	-	20.5	401.3	303.3	96.7	2.6	-	-	22.0	402.6
6300360000	Modern Languages	128.40	35.60	-	-	-	11.0	164.0	130.3	36.1	-	-	-	13.0	166.4	133.2	36.9	-	-	-	13.5	170.1	133.6	37.0	-	-	-	15.0	170.6
6900660000	Music - General Operations	394.27	113.07	19.75	5.25	-	73.0	532.3	400.0	114.7	20.0	5.3	-	75.5	540.0	408.9	117.3	20.5	5.4	-	78.5	552.1	410.2	117.6	20.5	5.5	-	80.5	553.9
6900660100	Music - Recharges and Expenses																												
5000700000	Off-Campus Supervised Teaching																												
9000650000	Outreach/Marketing																												
6300730000	Philosophy	103.80	30.20	-	-	-	6.0	134.0	105.3	30.6	-	-	-	6.0	135.9	107.6	31.3	-	-	-	6.0	139.0	108.0	31.4	-	-	-	6.0	139.4
6300760000	Physics	81.53	12.47	-	-	-	5.5	94.0	82.7	12.6	-	-	-	5.5	95.4	84.6	12.9	-	-	-	5.5	97.5	84.8	13.0	-	-	-	5.5	97.8
6300770000	Political Science	105.80	51.80	0.50	-	-	7.5	158.1	107.3	52.5	0.5	-	-	8.5	160.4	109.7	53.7	0.5	-	-	9.0	164.0	110.1	53.9	0.5	-	-	10.5	164.5
6300780000	Psychology	171.67	88.40	-	-	-	13.5	260.1	174.1	89.7	-	-	-	14.5	263.8	178.0	91.7	-	-	-	16.0	269.7	178.6	92.0	-	-	-	16.5	270.6
8600330000	Sabbatical Replace,Dean Grad Pro																												
6300170000	School of Business																												
	Social Work	6.80	20.00	-	-	-		26.8	6.9	20.3	-	-	-		27.2	7.1	20.7	-	-	-		27.8	7.1	20.8	-	-	-		27.9
6300880000	Sociology/Anthropology	139.80	118.20	-	-	-	15.0	258.0	141.8	119.9	-	-	-	16.5	261.7	145.0	122.6	-	-	-	16.0	267.6	145.5	123.0	-	-	-	18.5	268.4
	Special Studies (EDP)	4.40	-	-	-	-		4.4	4.5	-	-	-		4.5	4.6	-	-	-	-		4.6	4.6	-	-	-	-		4.6	
	Sports Management & Exercise Science	86.33	28.40	-	-	-		114.7	87.6	28.8	-	-	-		116.4	89.5	29.5	-	-	-		119.0	89.8	29.5	-	-	-		119.4
5200900000	Theatre Arts	98.73	44.50	-	-	-	13.5	143.2	100.2	45.1	-	-	-	14.5	145.3	102.4	46.1	-	-	-	14.0	148.5	102.7	46.3	-	-	-	16.5	149.0
6300090000	Visual Arts & New Media						17.0							18.0							19.5						20.0		
9000110000	Visual Media Services	148.67	50.93	-	-	-		199.6	150.8	51.7	-	-	-		202.5	154.2	52.8	-	-	-		207.0	154.7	53.0	-	-	-		207.7
	Women's Studies	5.40	8.73	-	-	-		14.1	5.5	8.9	-	-	-		14.3	5.6	9.1	-	-	-		14.7	5.6	9.1	-	-	-		14.7
	Undeclared	219.10						219.1	222.3					222.3	227.2	227.2					227.2	228.0	228.0					228.0	228.0
	Total from Rickes	3,771.0	1,645.0	177.8	43.2	-	349.0	5,637.0	3,825.3	1,668.8	180.3	43.8	-	377.5	5,718.3	3,910.7	1,706.0	184.3	44.8	-	401.5	5,845.8	3,923.6	1,711.6	184.9	45.0	-	428.5	5,865.2

Student/Faculty Ratio =

16.2

15.1

14.6

13.7

Note:
2013, 2018, and 2023 growth calculated by growth rate of campus FTE
Following Faculty FTE associated with non-academic departments, as provided and assigned by the institution, have been exc

6.0

10.5

13.5

16.0

SUNY Calculations for Instructional Need

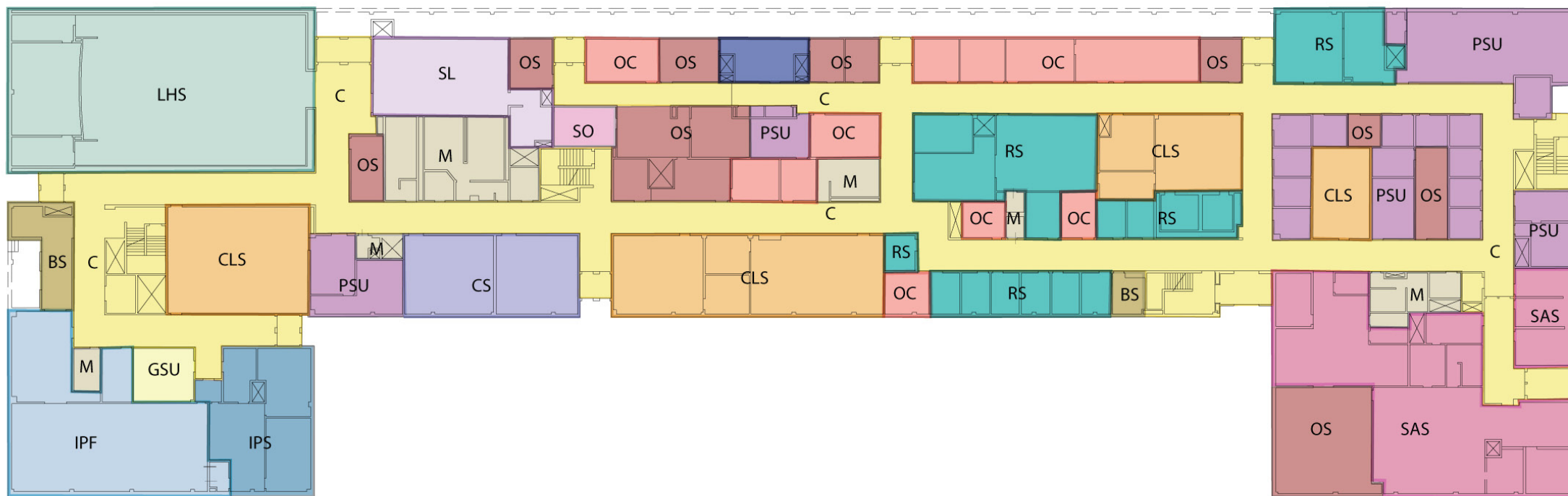
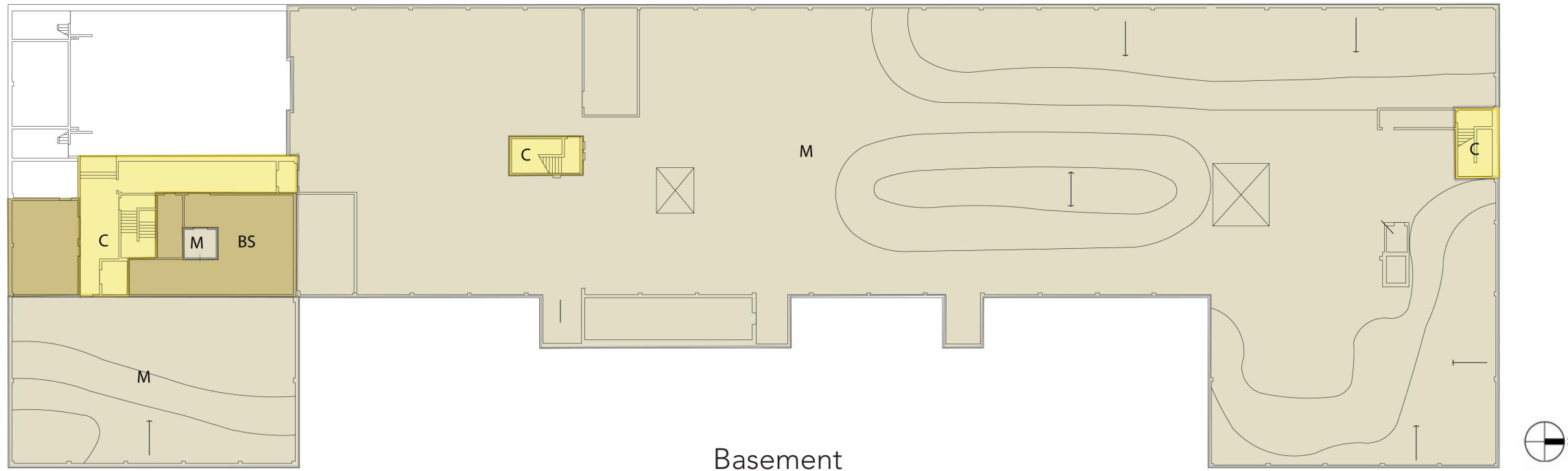
A	B	Classrooms/Lecture Halls										L	Class Labs						CURRENT FALL 2009						
		SUNY CALCULATIONS					RA CALCULATIONS						M	SUNY CALCULATIONS			RA CALCULATIONS			U	TOTALS				
		C	D	E	F	G	H	I	J	K	N			O	P	Q	R	S	T		V	W	X	Y	
= Credits * Enrolled (from course data) GPCR & SIS; day & eve	= Contact Hours * Enrolled (from course data) GPCR rooms - day only	Room Hours Available * % Hours * % Occupancy * 18% DOB up [28.32= (40 hrs * 75% * 80% * 1.18)]	Room Hours Available * % Hours * % Occupancy * 17.96= (40 hrs * 67% * 67%)]	RA PROPOSED	= Contact Hours * Enrolled (from course data) SIS rooms - day only	Room Hours Available * % Hours * % Occupancy * 18% DOB up [22.66= (40 hrs * 60% * 80% * 1.18)]	RA PROPOSED	= Contact Hours * Enrolled (from course data) SIS rooms - day only	Room Hours Available * % Hours * % Occupancy * 18% DOB up [22.66= (40 hrs * 60% * 80% * 1.18)]	RA PROPOSED	=G+Q	=K+T	=L+U	TOTAL INSTRUCTIONAL ASF NEED	RA TOTAL INSTRUCTIONAL ASF NEED	RA PROPOSED TOTAL INSTRUCTIONAL ASF NEED	TOTAL EXISTING ASF								
Department Name	Weekly Calculated Credit Hours	Weekly Contact Hours	AVG ASF/ST	Weekly Contact Hours per Station	SPACE FACTOR	SUNY ASF NEED	AVG ASF/ST	Weekly Contact Hours per Station	SPACE FACTOR	RA ASF NEED	RA PROPOSED ASF NEED	Weekly Contact Hours	AVG ASF/ST varies by DEPT	Weekly Contact Hours per Station	SPACE FACTOR	SUNY ASF NEED	Weekly Contact Hours per Station	SPACE FACTOR	RA ASF NEED	RA PROPOSED ASF NEED	SUNY TOTAL INSTRUCTIONAL ASF NEED	RA TOTAL INSTRUCTIONAL ASF NEED	RA PROPOSED TOTAL INSTRUCTIONAL ASF NEED	TOTAL EXISTING ASF	
American Studies	141	126	16	28.32	0.56	71	22	17.96	1.22	154	-	-	22.66	-	-	-	16.00	-	-	-	71	154	-	-	
Biology	3,385	2,389	16	28.32	0.56	1,349	22	17.96	1.22	2,926	842	60	22.66	2.65	2,230	16.00	3.75	3,159	12,240	3,580	6,085	12,240	-		
Business Administration	4,302	2,885	16	28.32	0.56	1,630	22	17.96	1.22	3,534	-	-	22.66	-	-	-	16.00	-	-	-	1,630	3,534	-	-	
Campus Wide Facilities																				464			464		
Chemistry	1,538	943	16	28.32	0.56	533	22	17.96	1.22	1,155	754	60	22.66	2.65	1,996	16.00	3.75	2,826	9,360	2,528	3,981	9,360	-		
Communication	3,651	1,593	16	28.32	0.56	900	22	17.96	1.22	1,952	126	40	22.66	1.77	223	16.00	2.50	316	2,548	1,123	2,267	2,548	-		
Communication Disorders & Science	1,523	1,076	16	28.32	0.56	608	22	17.96	1.22	1,318	-	-	22.66	-	-	16.00	-	-	1,768	608	1,318	1,768	-		
Computer and Information Sciences	3,124	1,266	16	28.32	0.56	715	22	17.96	1.22	1,551	-	-	22.66	-	-	16.00	-	-	-	715	1,551	-	-		
Economics	2,466	1,605	16	28.32	0.56	906	22	17.96	1.22	1,965	-	-	22.66	-	-	16.00	-	-	-	906	1,965	-	-		
Education: Curriculum and Instruction	2,745	698	16	28.32	0.56	394	22	17.96	1.22	855	1,318	40	22.66	1.77	2,327	16.00	2.50	3,295	7,416	2,721	4,150	7,416	-		
Education: Language, Learning & Leadership	3,260	1,529	16	28.32	0.56	864	22	17.96	1.22	1,873	462	40	22.66	1.77	815	16.00	2.50	1,154	-	1,679	3,027	-	-		
English	6,476	5,014	16	28.32	0.56	2,833	22	17.96	1.22	6,142	60	40	22.66	1.77	106	16.00	2.50	150	-	2,939	6,292	-	-		
Environmental Sciences (Chemistry)	77	24	16	28.32	0.56	14	22	17.96	1.22	30	-	-	22.66	-	-	16.00	-	-	-	14	30	-	-		
Geographic Information Systems	118	-	16	28.32	0.56	-	22	17.96	1.22	-	25	40	22.66	1.77	45	16.00	2.50	63	-	45	63	-	-		
Geosciences	2,268	1,661	16	28.32	0.56	939	22	17.96	1.22	2,035	259	40	22.66	1.77	457	16.00	2.50	647	4,992	1,395	2,682	4,992	-		
History	6,777	5,482	16	28.32	0.56	3,097	22	17.96	1.22	6,715	72	40	22.66	1.77	127	16.00	2.50	180	-	3,224	6,895	-	-		
Honors	507	275	16	28.32	0.56	156	22	17.96	1.22	337	-	-	22.66	-	-	16.00	-	-	-	156	337	-	-		
Interdisciplinary Studies	854	231	16	28.32	0.56	131	22	17.96	1.22	283	374	40	22.66	1.77	660	16.00	2.50	935	-	791	1,218	-	-		
Liberal Arts Freshman Year Experience	122	136	16	28.32	0.56	77	22	17.96	1.22	167	-	-	22.66	-	-	16.00	-	-	-	77	167	-	-		
Mathematics	5,797	3,895	16	28.32	0.56	2,200	22	17.96	1.22	4,771	87	40	22.66	1.77	153	16.00	2.50	217	-	2,353	4,987	-	-		
Modern Languages & Literature	2,460	1,569	16	28.32	0.56	886	22	17.96	1.22	1,922	-	-	22.66	-	-	16.00	-	-	-	886	1,922	-	-		
Music	7,910	4,153	16	28.32	0.56	2,346	22	17.96	1.22	5,087	137	40	22.66	1.77	241	16.00	2.50	342	3,214	2,587	5,428	3,214	-		
Philosophy	2,010	1,702	16	28.32	0.56	962	22	17.96	1.22	2,085	-	-	22.66	-	-	16.00	-	-	-	962	2,085	-	-		
Physics	1,410	908	16	28.32	0.56	513	22	17.96	1.22	1,112	196	60	22.66	2.65	518	16.00	3.75	733	7,592	1,031	1,845	7,592	-		
Political Science	2,370	1,747	16	28.32	0.56	987	22	17.96	1.22	2,140	-	-	22.66	-	-	16.00	-	-	-	987	2,140	-	-		
Psychology	3,901	2,708	16	28.32	0.56	1,530	22	17.96	1.22	3,317	-	-	22.66	-	-	16.00	-	-	-	1,530	3,317	-	-		
Social Work	402	320	16	28.32	0.56	181	22	17.96	1.22	392	-	-	22.66	-	-	16.00	-	-	-	181	392	-	-		
Sociology	3,870	2,919	16	28.32	0.56	1,649	22	17.96	1.22	3,576	-	-	22.66	-	-	16.00	-	-	-	1,649	3,576	-	-		
Special Studies (EDP)	66	49	16	28.32	0.56	28	22	17.96	1.22	60	-	-	22.66	-	-	16.00	-	-	-	28	60	-	-		
Sport Management and Exercise Science	1,721	693	16	28.32	0.56	392	22	17.96	1.22	849	-	-	22.66	-	-	16.00	-	-	-	392	849	-	-		
Theatre	2,149	603	16	28.32	0.56	341	22	17.96	1.22	739	1,246	60	22.66	2.65	3,299	16.00	3.75	4,672	14,014	3,640	5,411	14,014	-		
Visual Arts and New Media	2,994	787	16	28.32	0.56	444	22	17.96	1.22	963	2,032	40	22.66	1.77	3,586	16.00	2.50	5,079	23,584	4,031	6,043	23,584	-		
Women's Studies	212	74	16	28.32	0.56	42	22	17.96	1.22	90	-	-	22.66	-	-	16.00	-	-	-	42	90	-	-		
Learning Center			16	28.32	0.56	-	22	17.96	1.22	-	-	-	22.66	-	-	16.00	-	-	-	-	-	-	-	-	
Grand Total	80,605	49,058				27,716				60,093	64,548	7,988			16,782			23,768	87,192	44,498	83,861	87,192	97,047		
																					GPCR NEED		64,548		
																					TOTAL PROPOSED NEED		151,740		



Building Mapping by Use

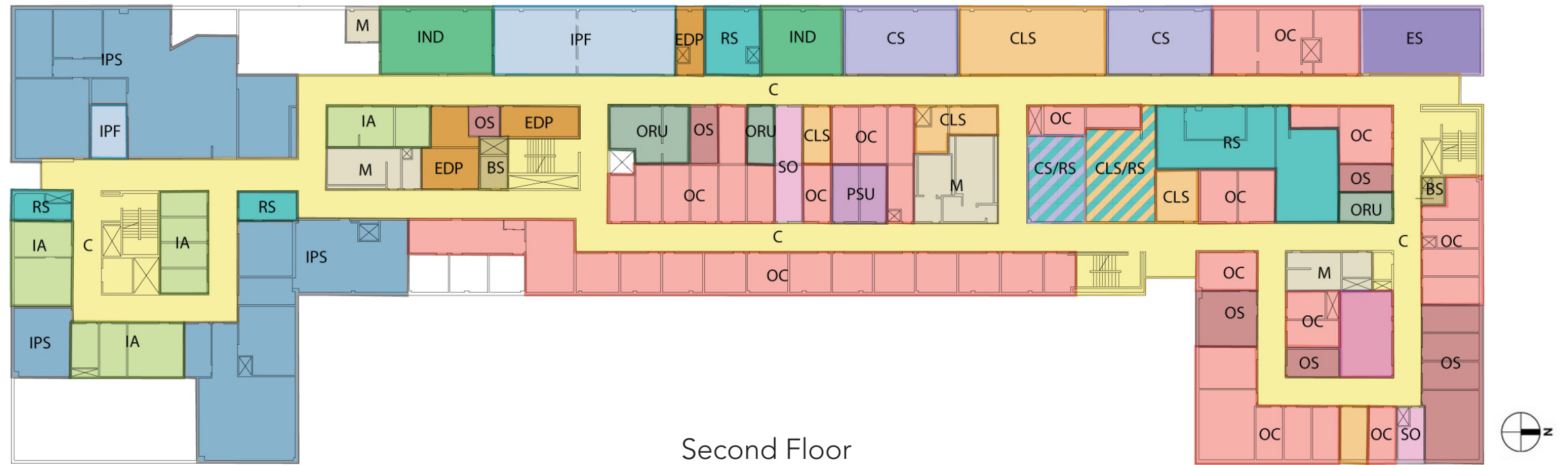
The following pages contain maps of space types (or uses) in existing campus buildings at SUNY Fredonia. Mapping of uses was completed for buildings used for instruction of both general and specialized academics. The results of this process were used in Phase V to determine the potential for program relocations, optimizing use-related and departmental adjacencies, and right-sizing within existing facilities. In addition, a thorough understanding of the current use of existing space allowed for the most efficient programming of new facilities in later phases.

Mapping of existing facilities was created using space type codes present in the Physical Space Inventory (PSI), as indicated in the accompanying keys. Every effort was made to correct any discrepancies between the PSI and actual use of space.

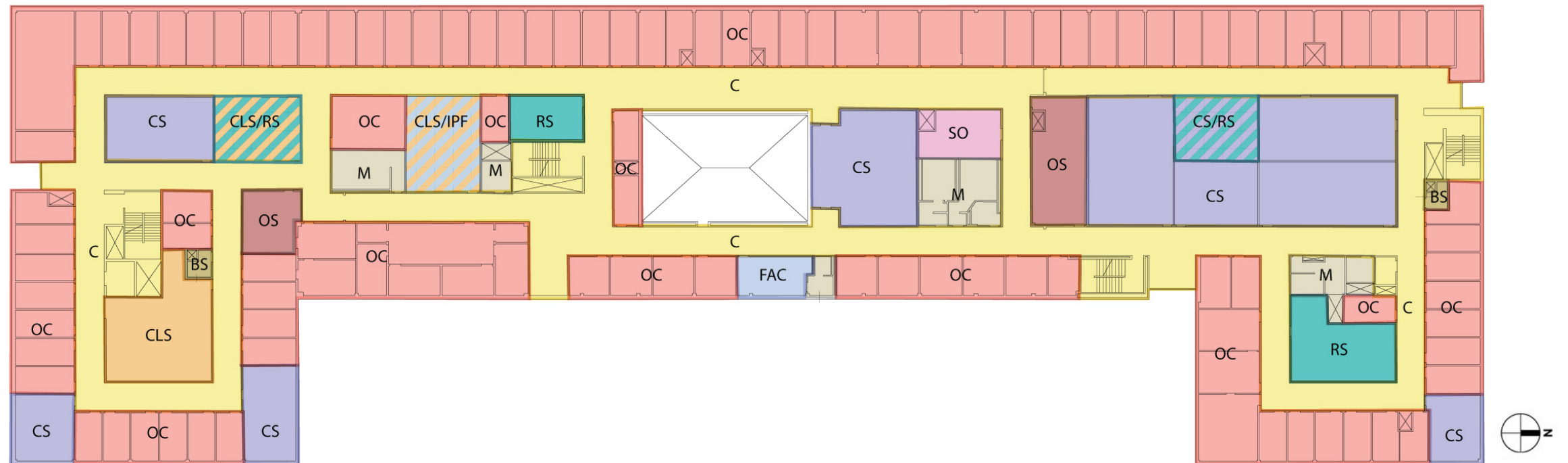


Thompson Hall

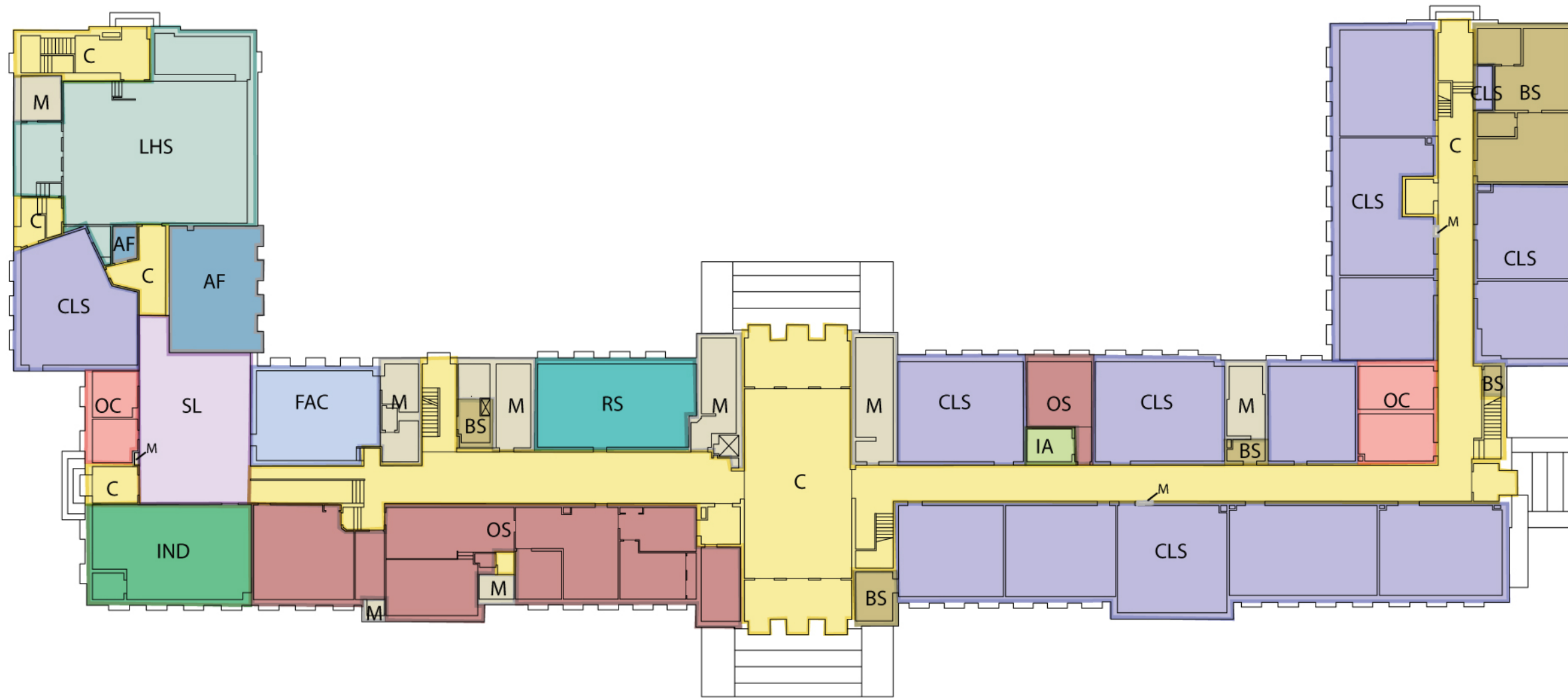
- BS Building Services
- C Circulation
- CLS Class Labs & Service
- CS Classrooms & Service
- CRS Conference Rooms & Serv
- EDP EDP Prod Facilities
- ES Exhibition & Service
- FAC FAC & Staff Lounge Space
- GSU General & Special Use
- IND IND Study Labs & Service
- IA IRC Administration
- IPF IRC Prod Facilities
- IPS IRC Prod Service
- LHS Lecture Halls & Service
- M Mechanical
- OC Offices & Conference Rooms
- OS Offices & Service
- ORU Organized Research Units
- PSU Public Service Units
- RS RSCH & Support
- SAS Student Activities Service
- SL Student Lounge Space
- SO Student Org Space



Second Floor



Third Floor

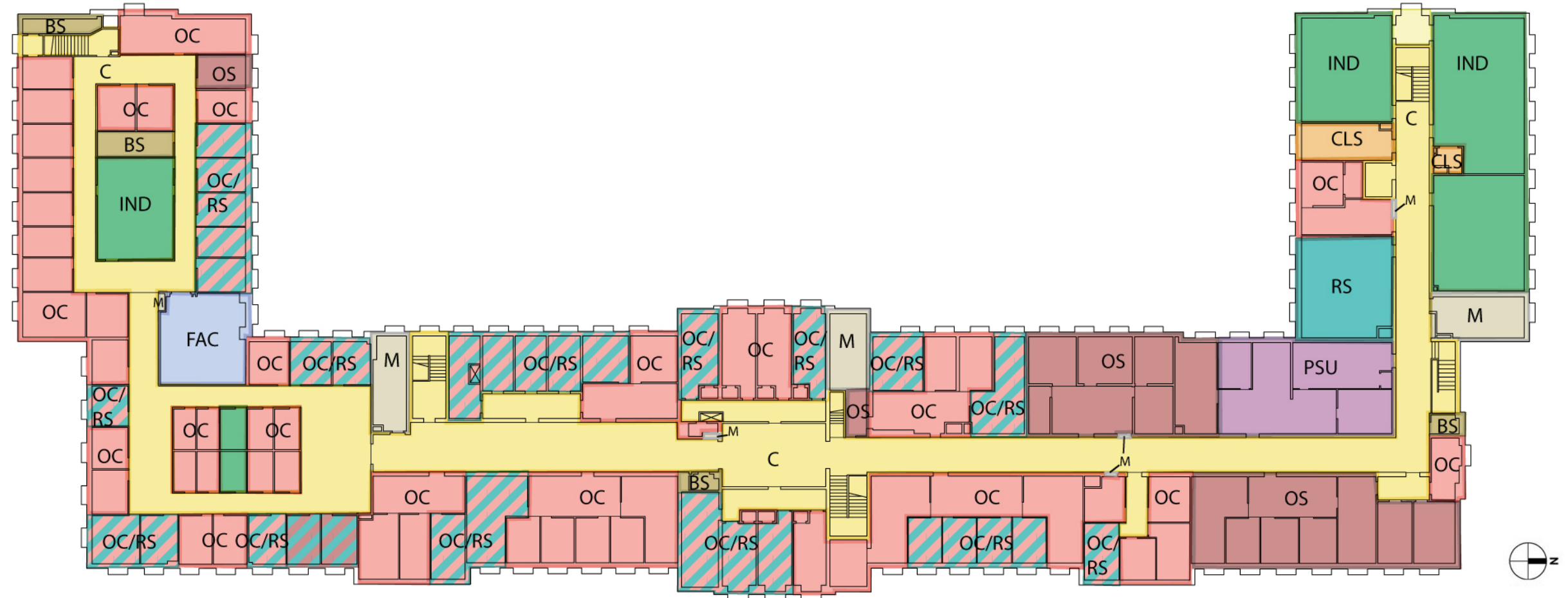


First Floor



Fenton Hall

- AF Aux Food Space & Service
- BS Building Services
- C Circulation
- CLS Class Labs & Service
- CS Classrooms & Service
- FAC FAC & Staff Lounge Space
- GSU General & Special Use
- IND IND Study Labs & Service
- IA IRC Administration
- LHS Lecture Halls & Service
- M Mechanical
- OC Offices & Conference Rooms
- OS Offices & Service
- PSU Public Service Units
- RS RSCH & Support
- SL Student Lounge Space



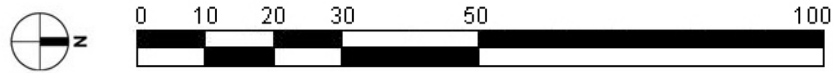
Second Floor



Basement



First Floor

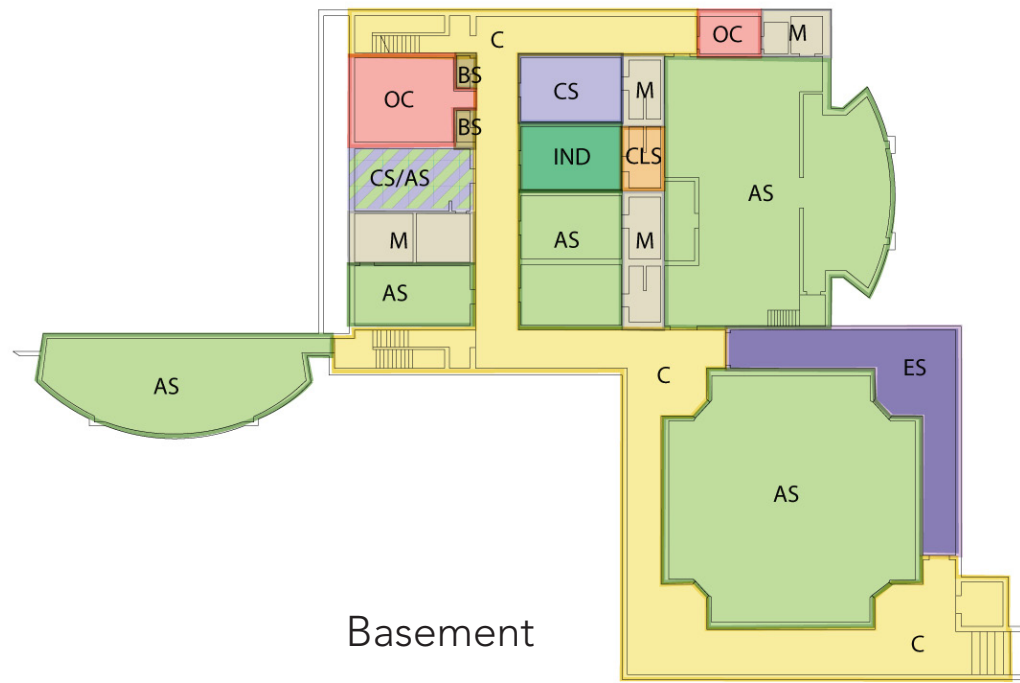


Houghton Hall

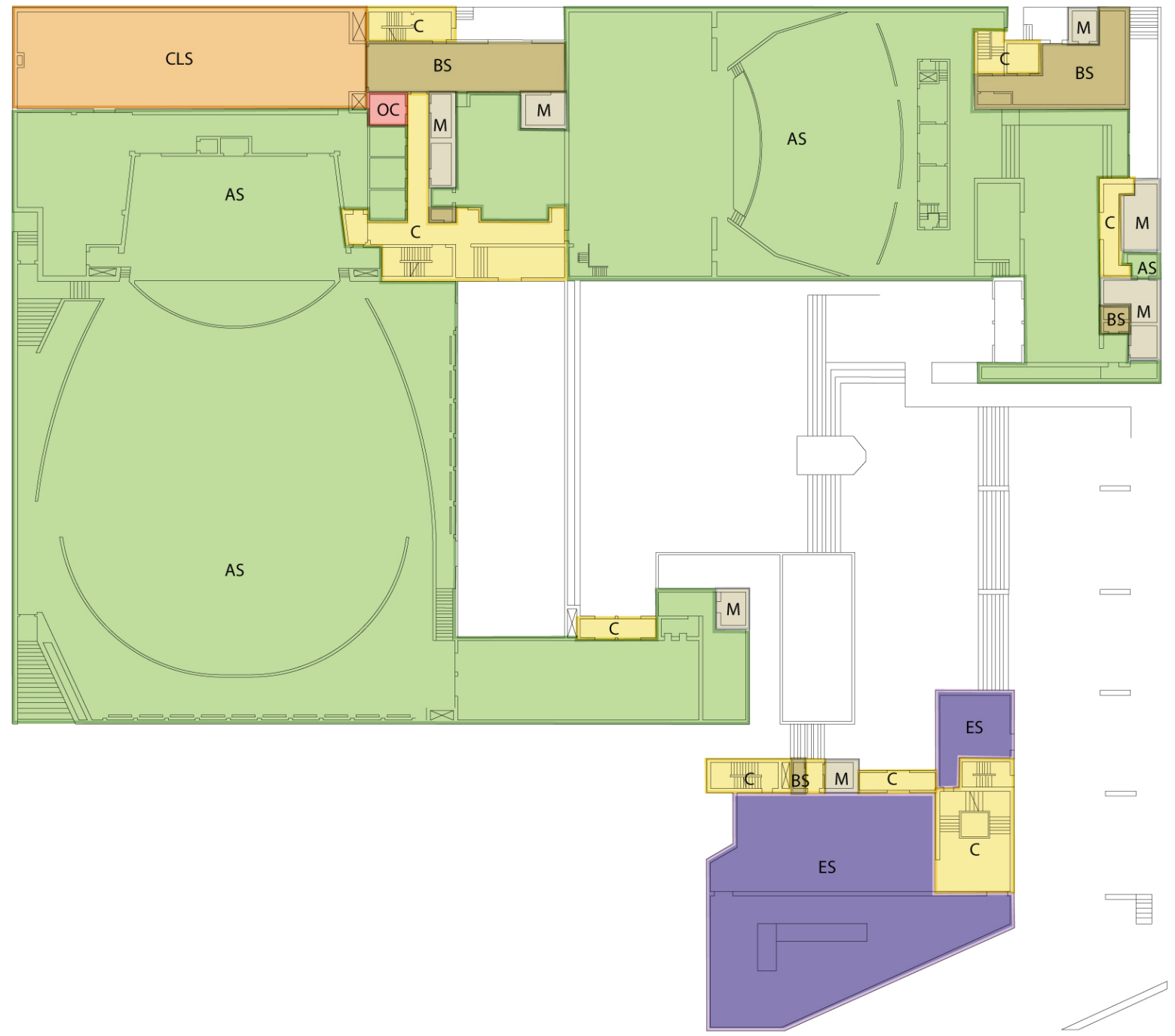
- AF Aux Food Space & Service
- BS Building Services
- C Circulation
- CLS Class Labs & Service
- CS Classrooms & Service
- FAC FAC & Staff Lounge Space
- GSU General & Special Use
- IND IND Study Labs & Service
- M Mechanical
- OC Offices & Conference Rooms
- RS RSCH & Support
- SL Student Lounge Space



Second Floor



Basement

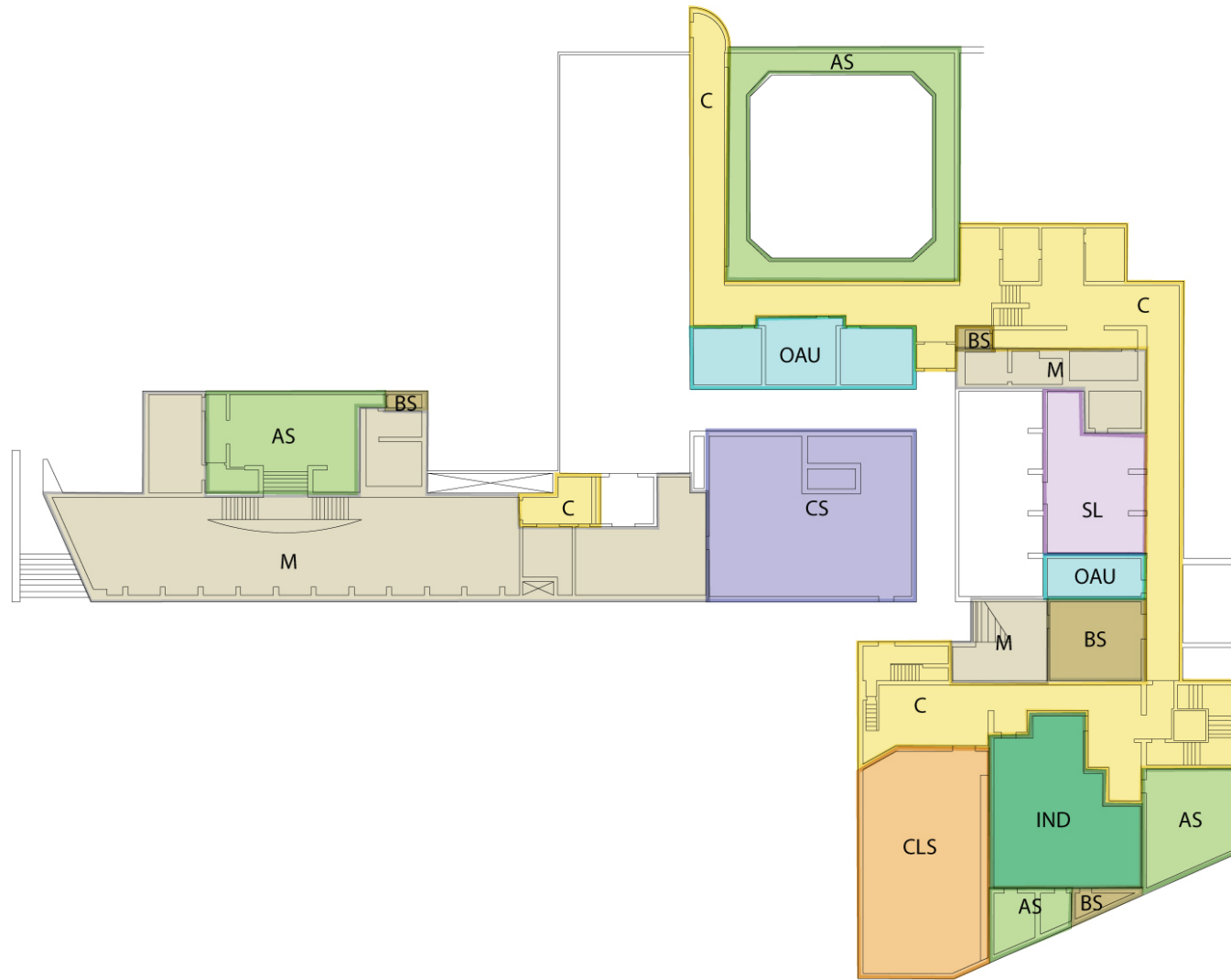


Plaza Level

Rockefeller Arts Center

- AS ■ Assembly Seat & Service
- BS ■ Building Services
- C ■ Circulation
- CLS ■ Class Labs & Service
- CS ■ Classrooms & Service
- ES ■ Exhibition & Service
- GSU ■ General & Special Use
- IND ■ IND Study Labs & Service
- M ■ Mechanical
- OC ■ Offices & Conference Rooms
- OAU ■ Organized Activity Units
- SO ■ Student Org Space
- RS ■ RSCH & Support
- SL ■ Student Lounge Space

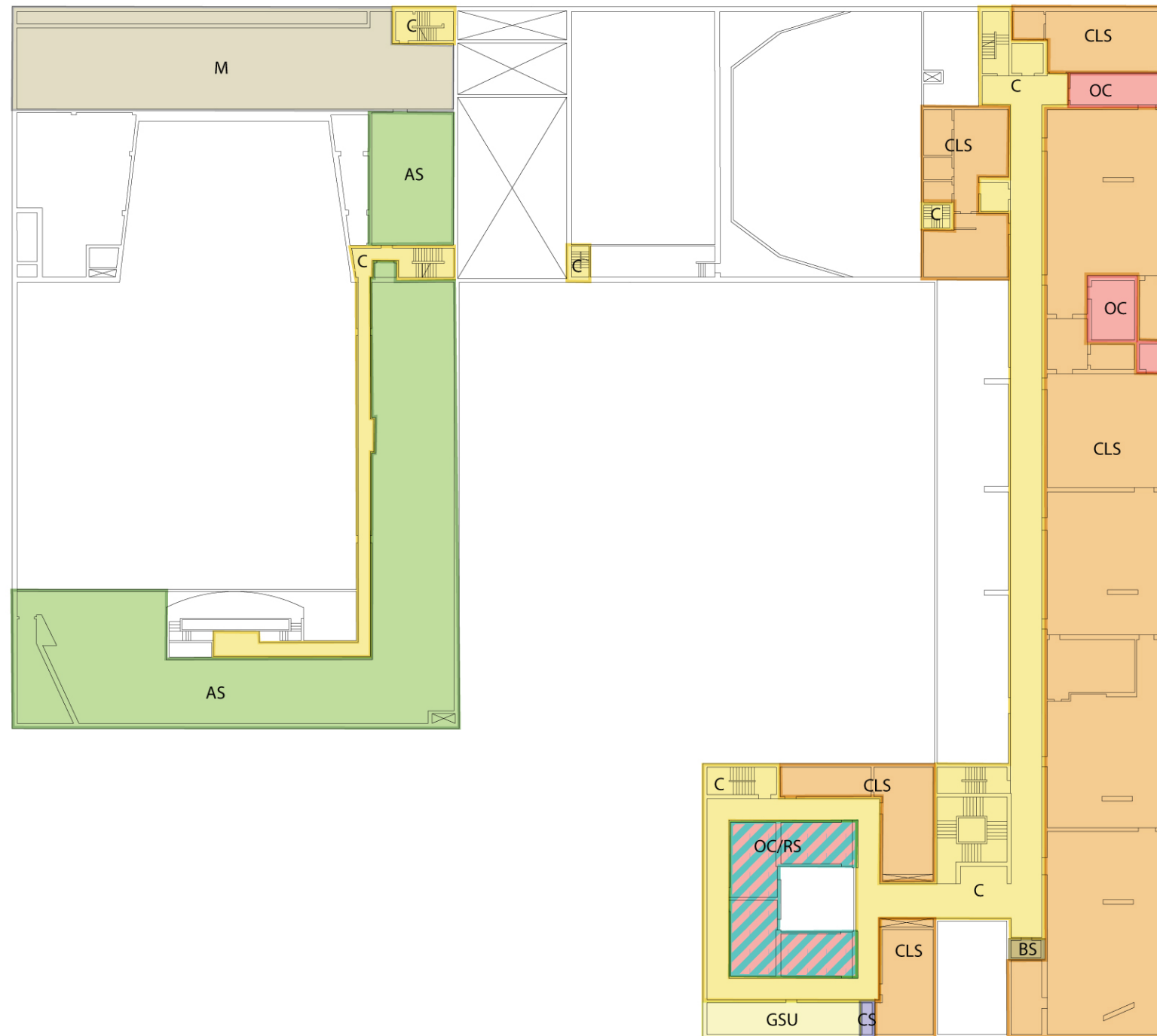




First Floor



Second Floor

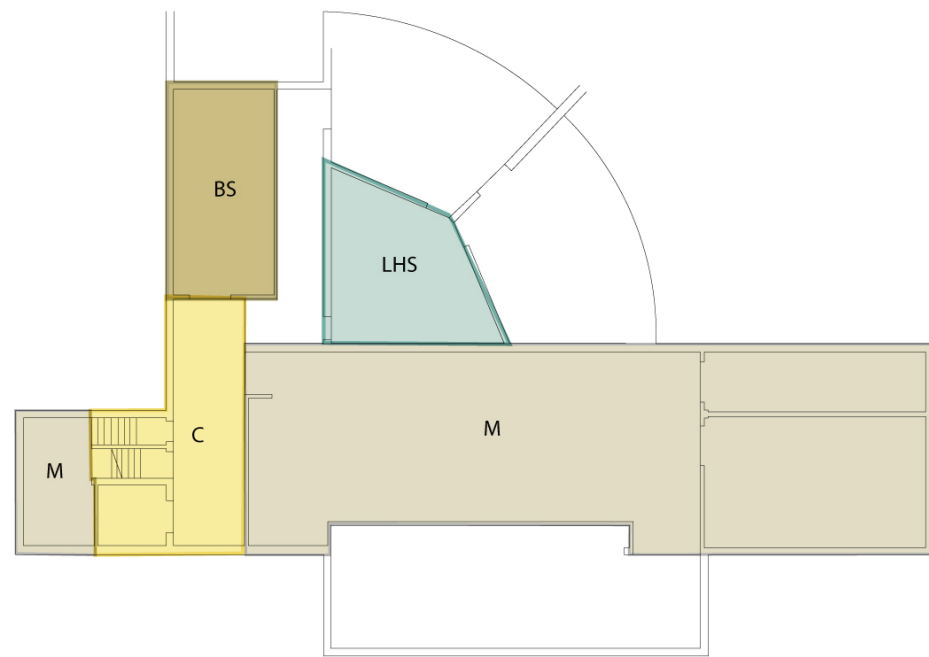


Third Floor



Mc Ewen Hall

- AF Aux Food Space & Service
- BS Building Services
- C Circulation
- CLS Class Labs & Service
- CS Classrooms & Service
- EDP EDP Prod Facilities
- GSU General & Special Use
- IND IND Study Labs & Service
- IA IRC Administration
- IPF IRC Prod Facilities
- IPS IRC Prod Service
- LHS Lecture Halls & Service
- M Mechanical
- OC Offices & Conference Rooms
- OS Offices & Service

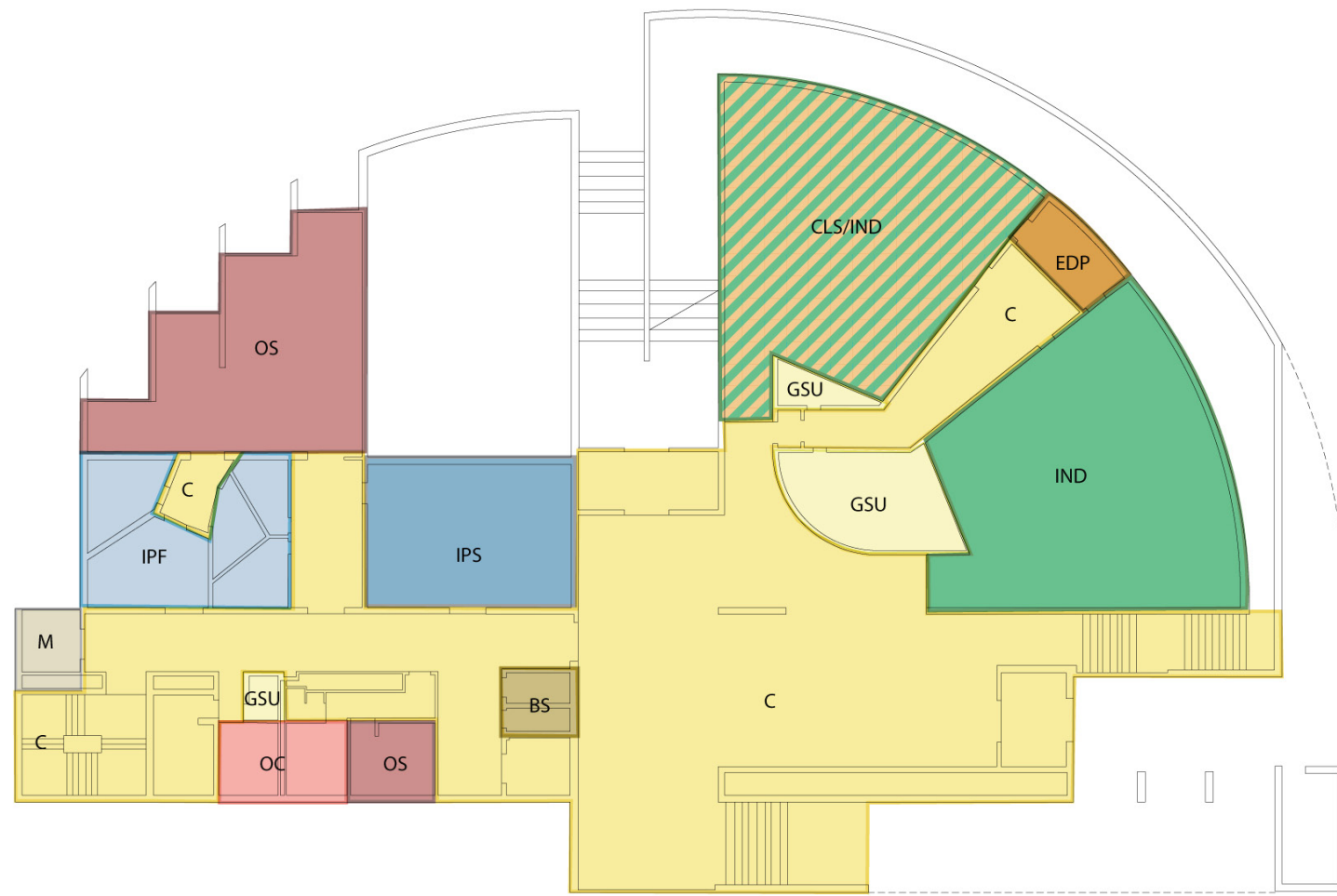


Basement

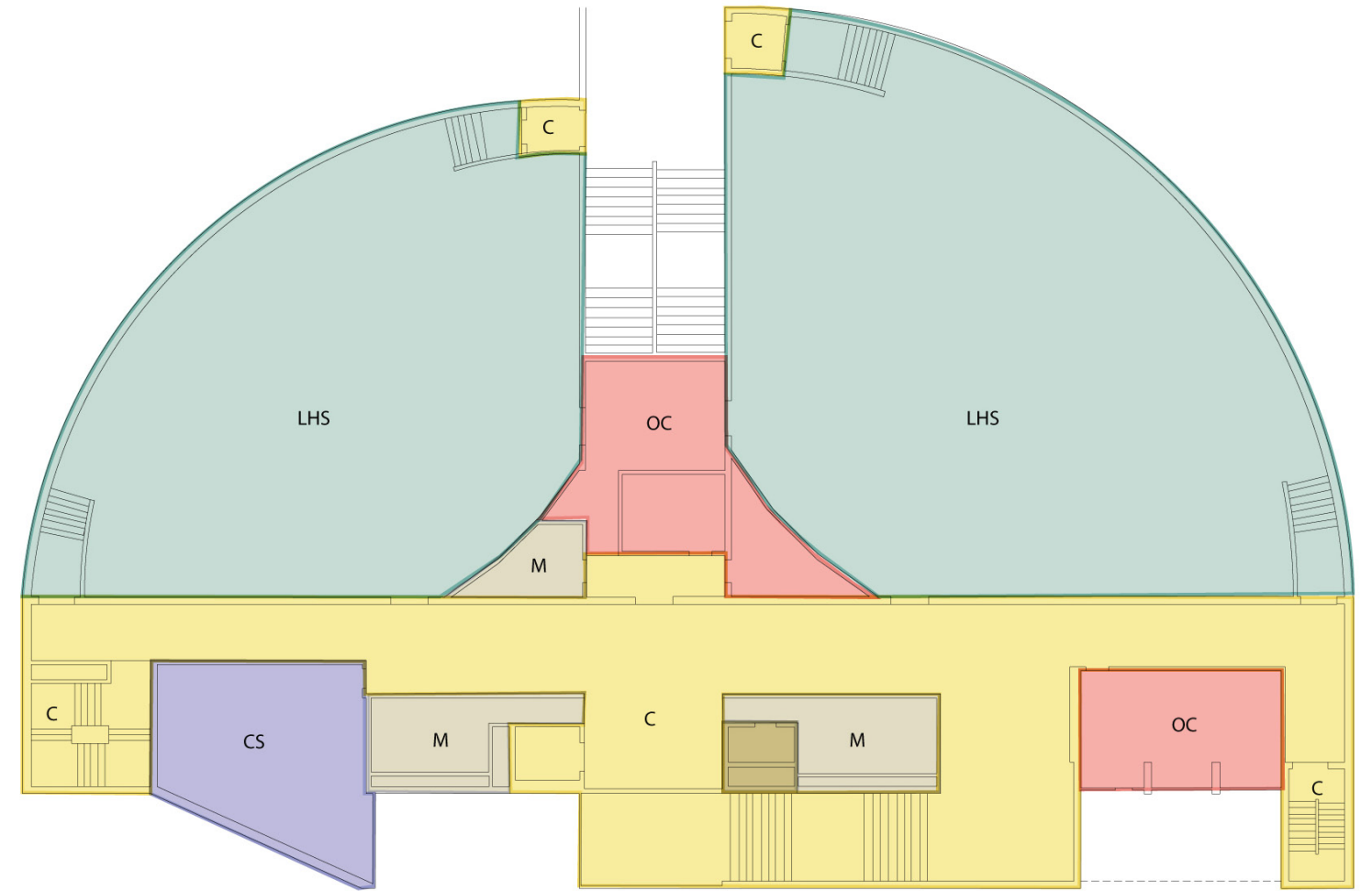


Ground Floor

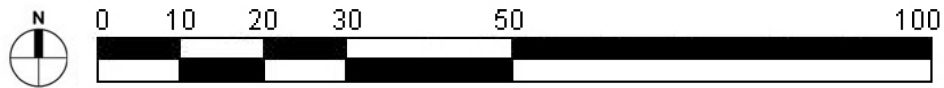


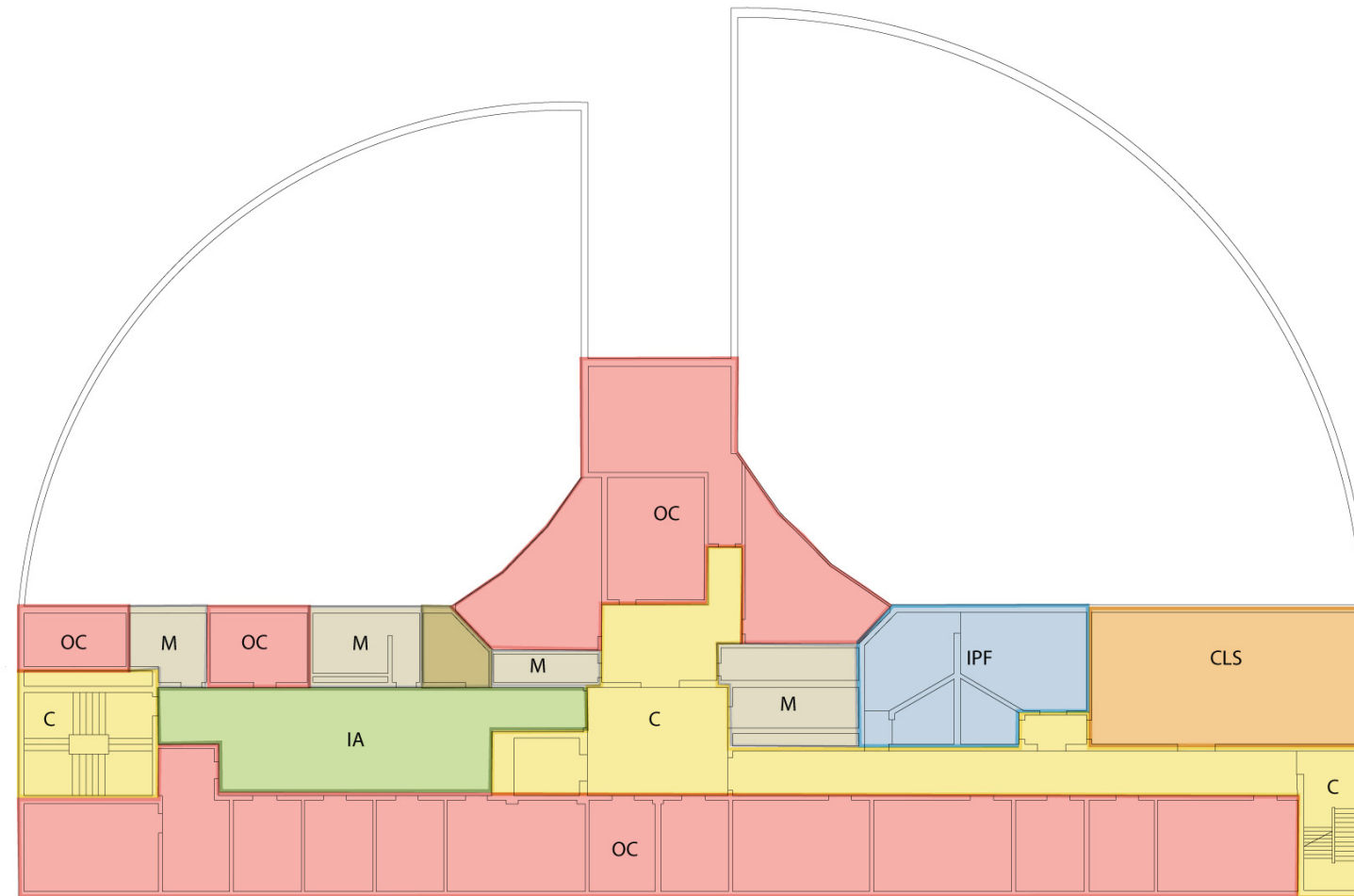


First Floor



Second Floor



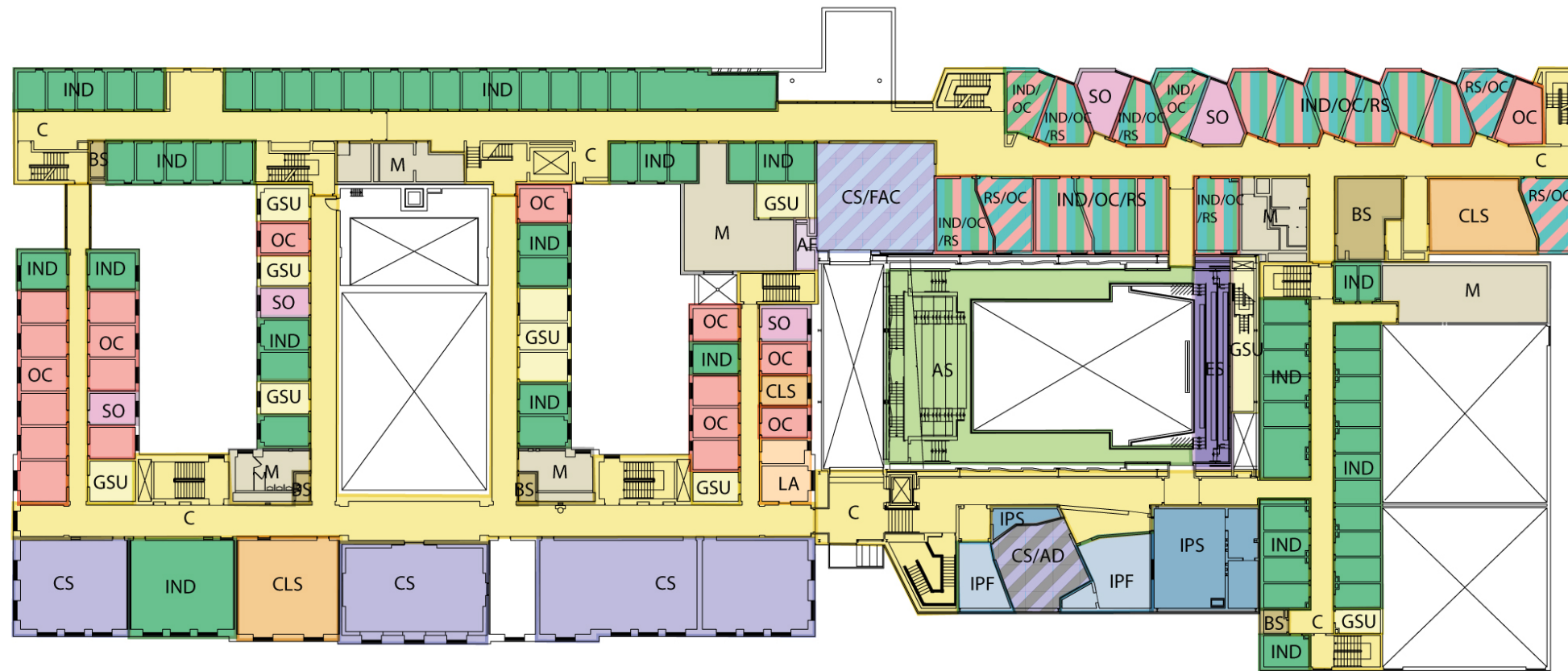


Third Floor





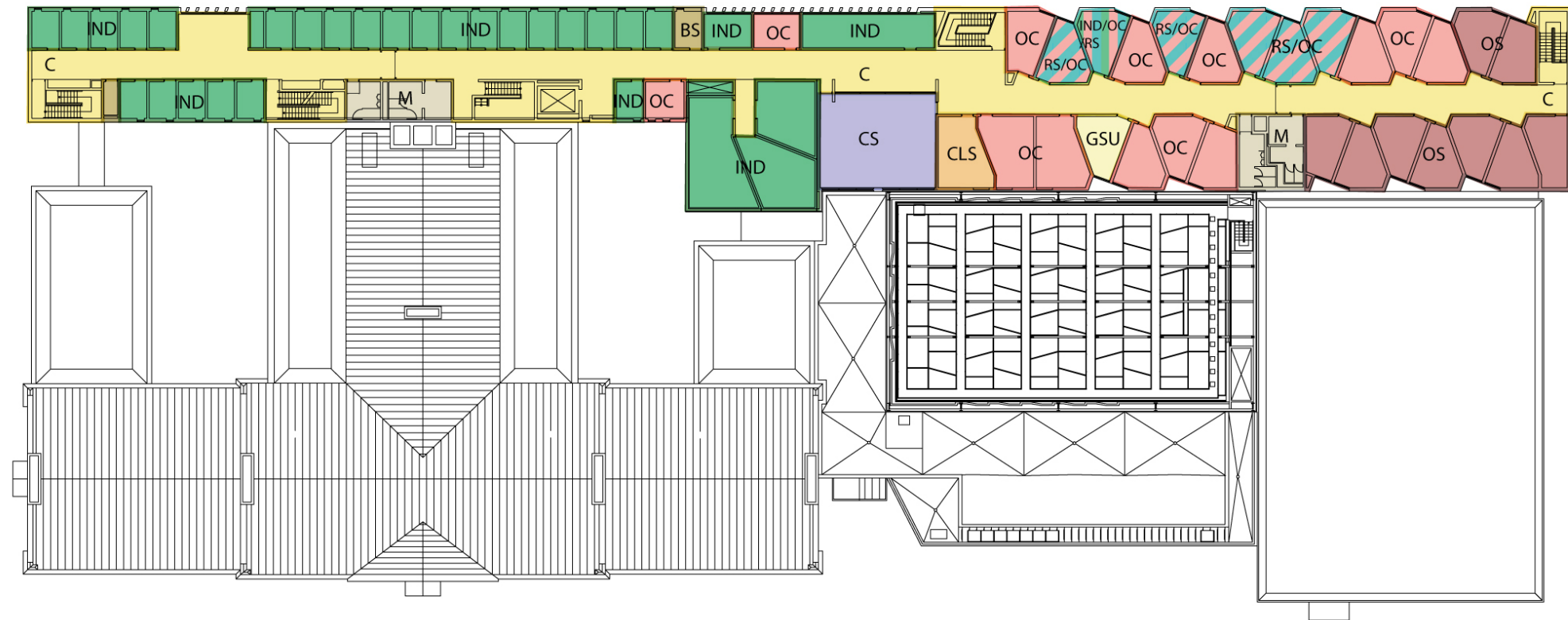
First Floor



Second Floor

Mason Hall

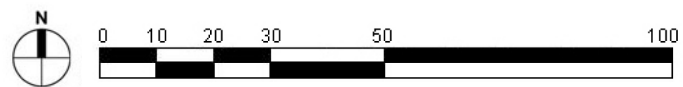
- AD Administrator Services
- AS Assembly Seat & Service
- AF Aux Food Space & Service
- BS Building Services
- C Circulation
- CLS Class Labs & Service
- CS Classrooms & Service
- ES Exhibition & Service
- FAC FAC & Staff Lounge Space
- GSU General & Special Use
- IND IND Study Labs & Service
- IPF IRC Prod Facilities
- IPS IRC Prod Service
- LA Library Administrator
- M Mechanical
- OC Offices & Conference Rooms
- OS Offices & Service
- RS RSCH & Support
- SAS Student Activities Service
- SL Student Lounge Space
- SO Student Org Space



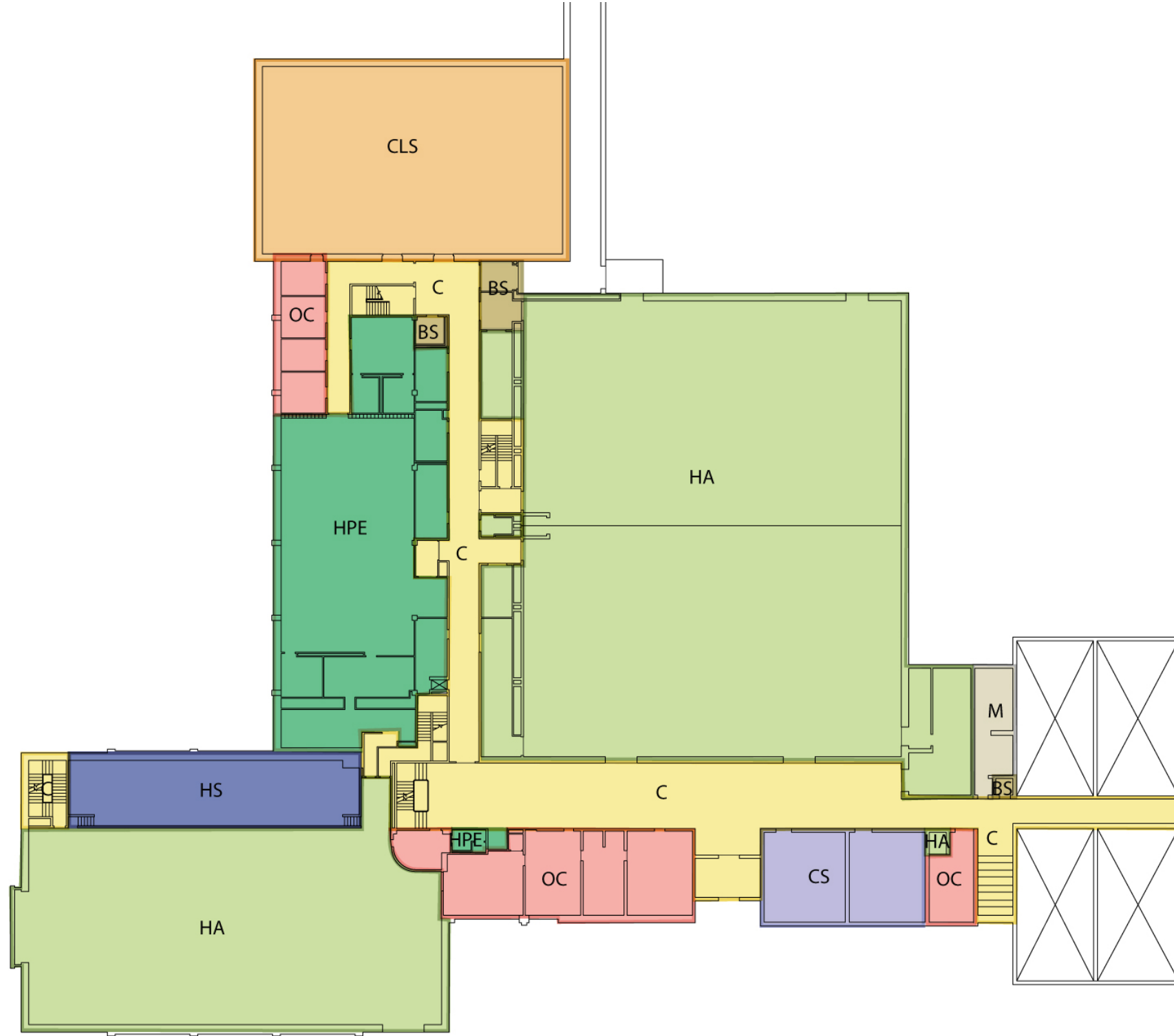
Third Floor

Dods Hall

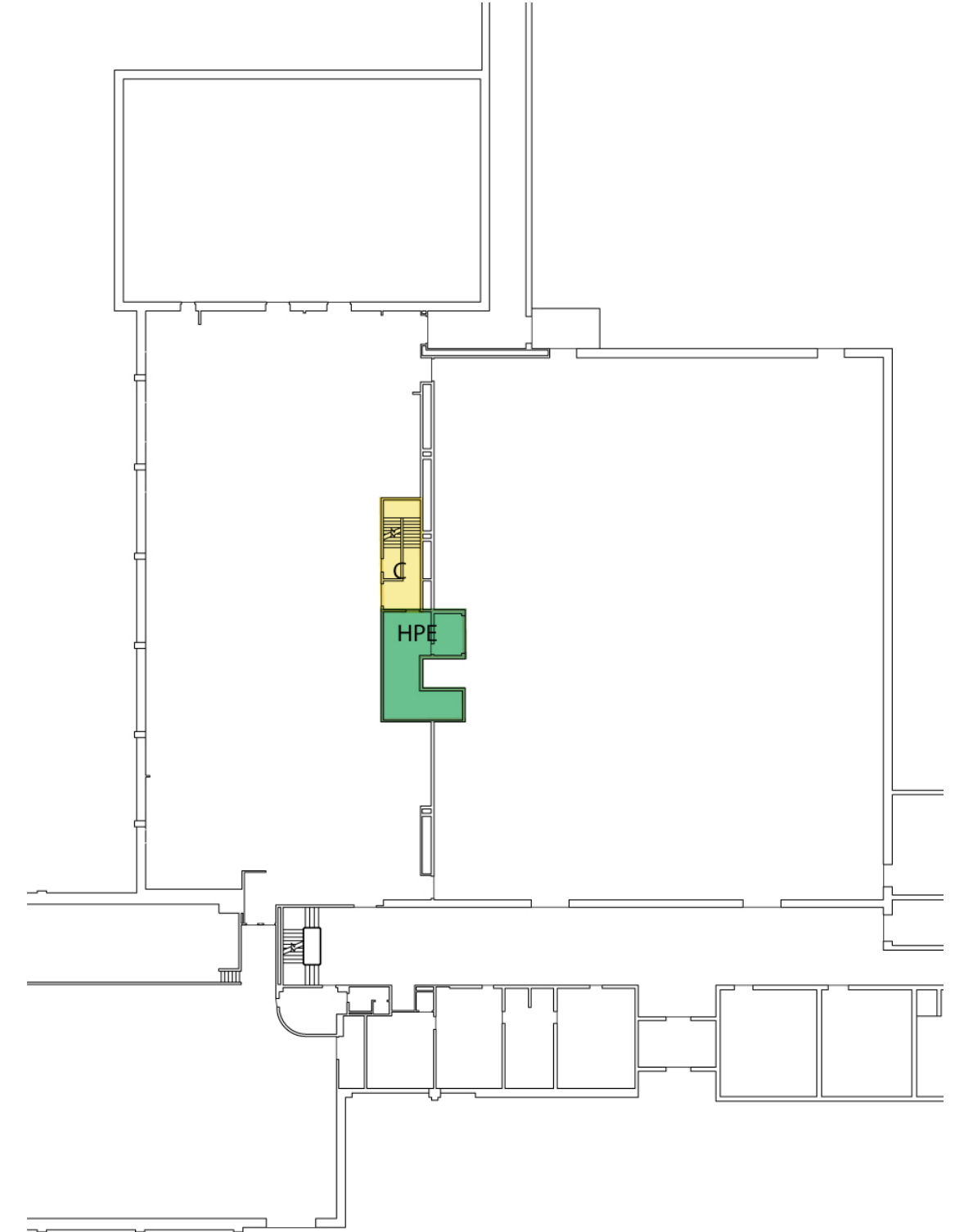
- BS Building Services
- CST Central Storage
- C Circulation
- CLS Class Labs & Service
- CS Classrooms & Service
- GSU General & Special Use
- HA HPE Activity Spaces
- HPE HPE Services
- HS HPE Spectator Seating
- M Mechanical
- OC Offices & Conference Rooms
- SL Student Lounge Space



First Floor

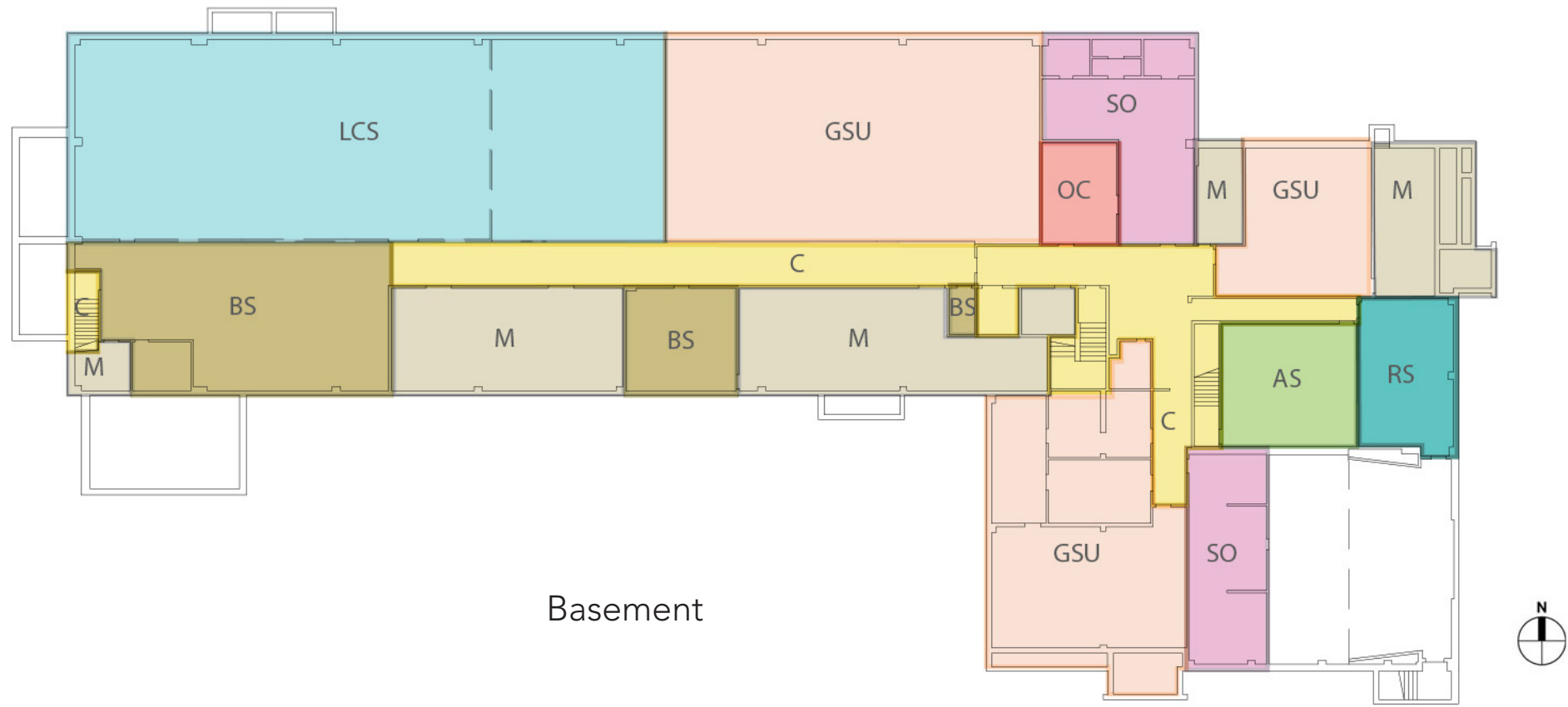


Second Floor



Third Floor





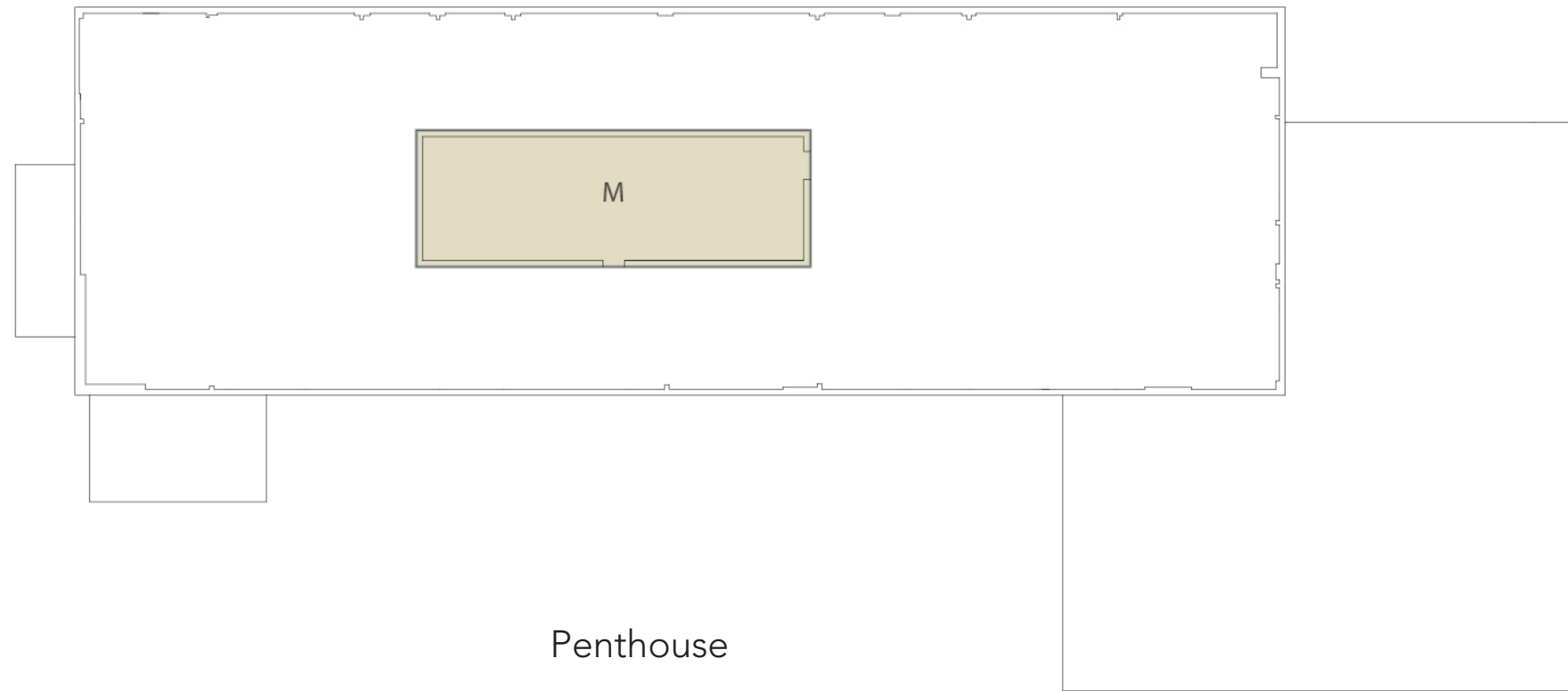
Basement

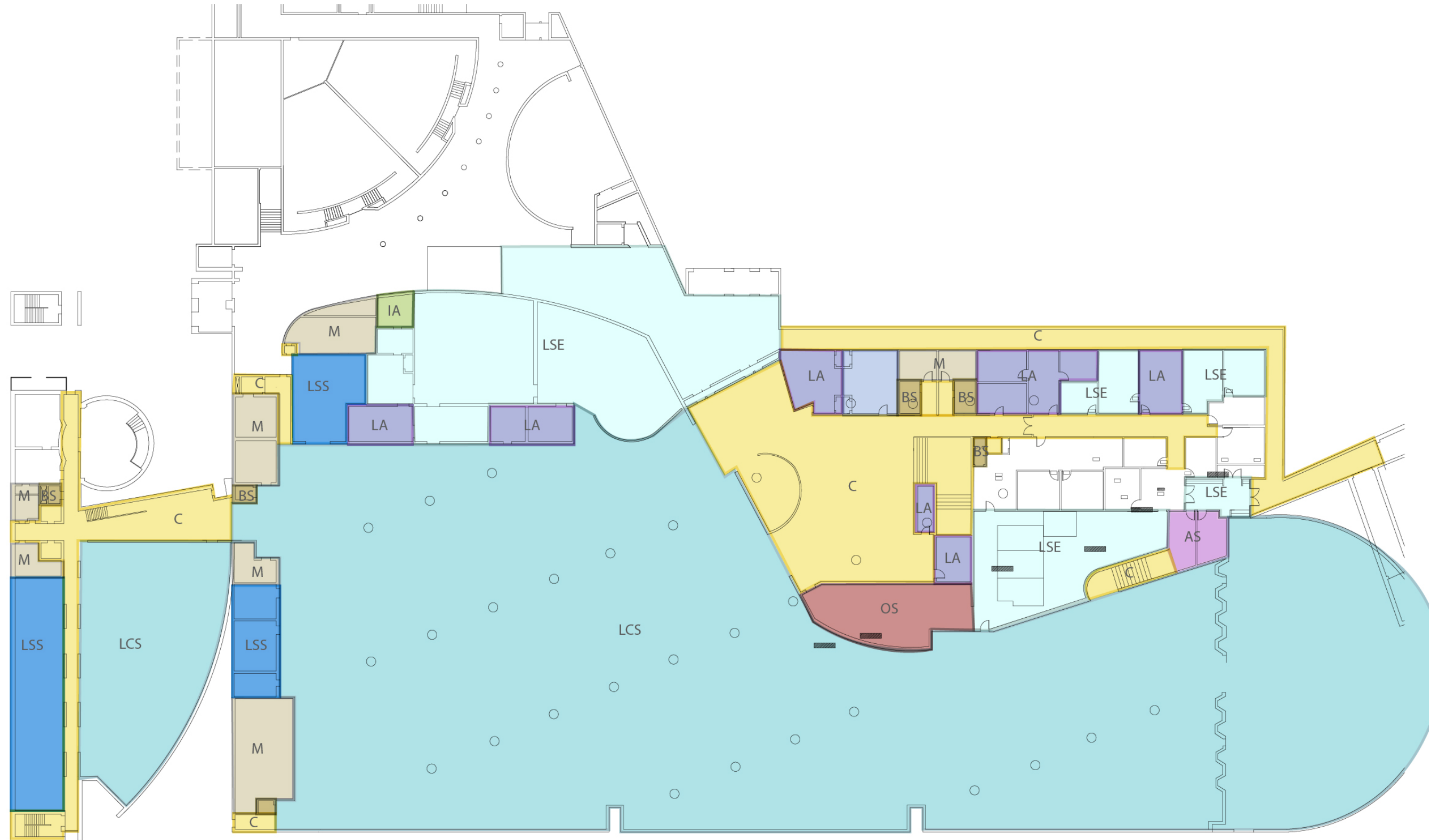


First Floor

Jewett Hall

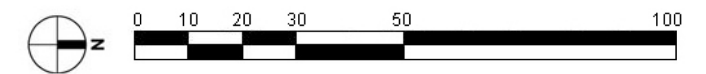
- AS Assembly Seat & Service
- BS Building Services
- C Circulation
- CLS Class Labs & Service
- CS Classrooms & Service
- ES Exhibition & Service
- GSU General & Special Use
- LHS Lecture Halls Service
- LCS Library Collection Space
- M Mechanical
- OC Offices & Conference Rooms
- OS Offices & Service
- RS RSCH & Support
- SL Student Lounge Space
- SO Student Org Space





Carnahan Jackson Center
- First Floor

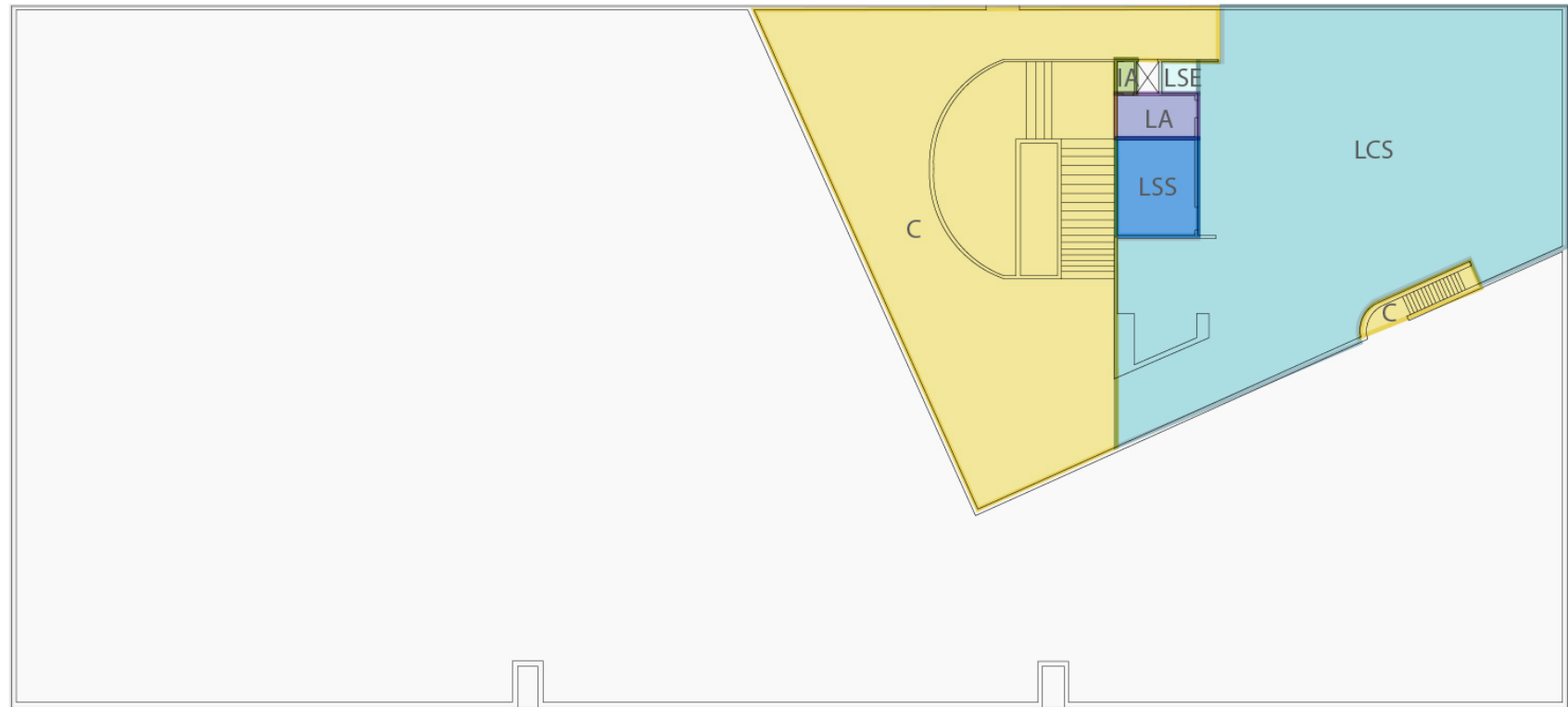
Reed Library - First Floor



Building No. 12 & 12a

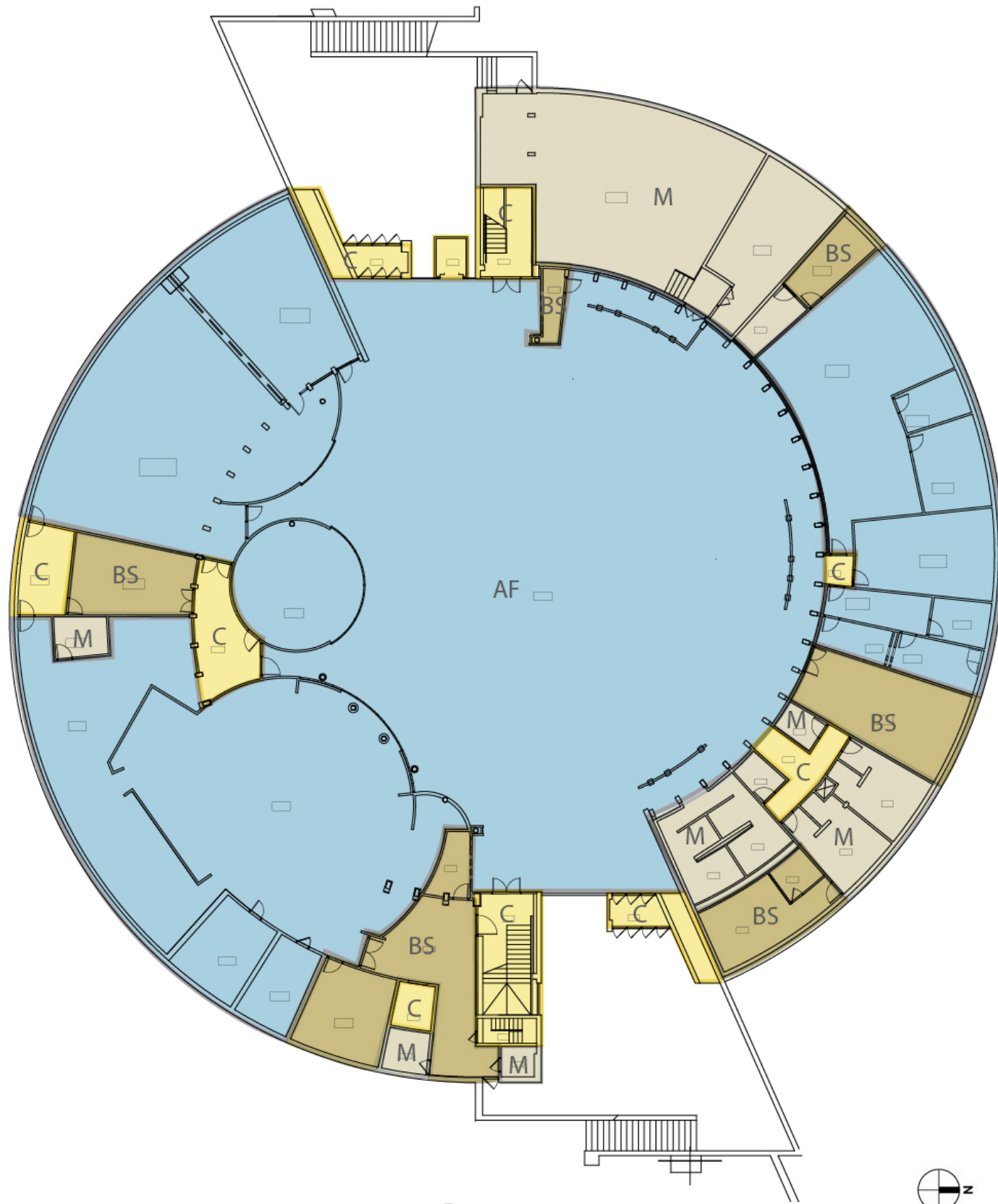
Reed Library & Carnahan Jackson Center

- AS Administration Services
- BS Building Services
- C Circulation
- FAC FAC & Staff Lounge Space
- IA IRC Administration
- LSS Library & Study Seating
- LA Library Administration
- LCS Library Collection Space
- LSE Library Services
- M Mechanical
- OS Offices & Services

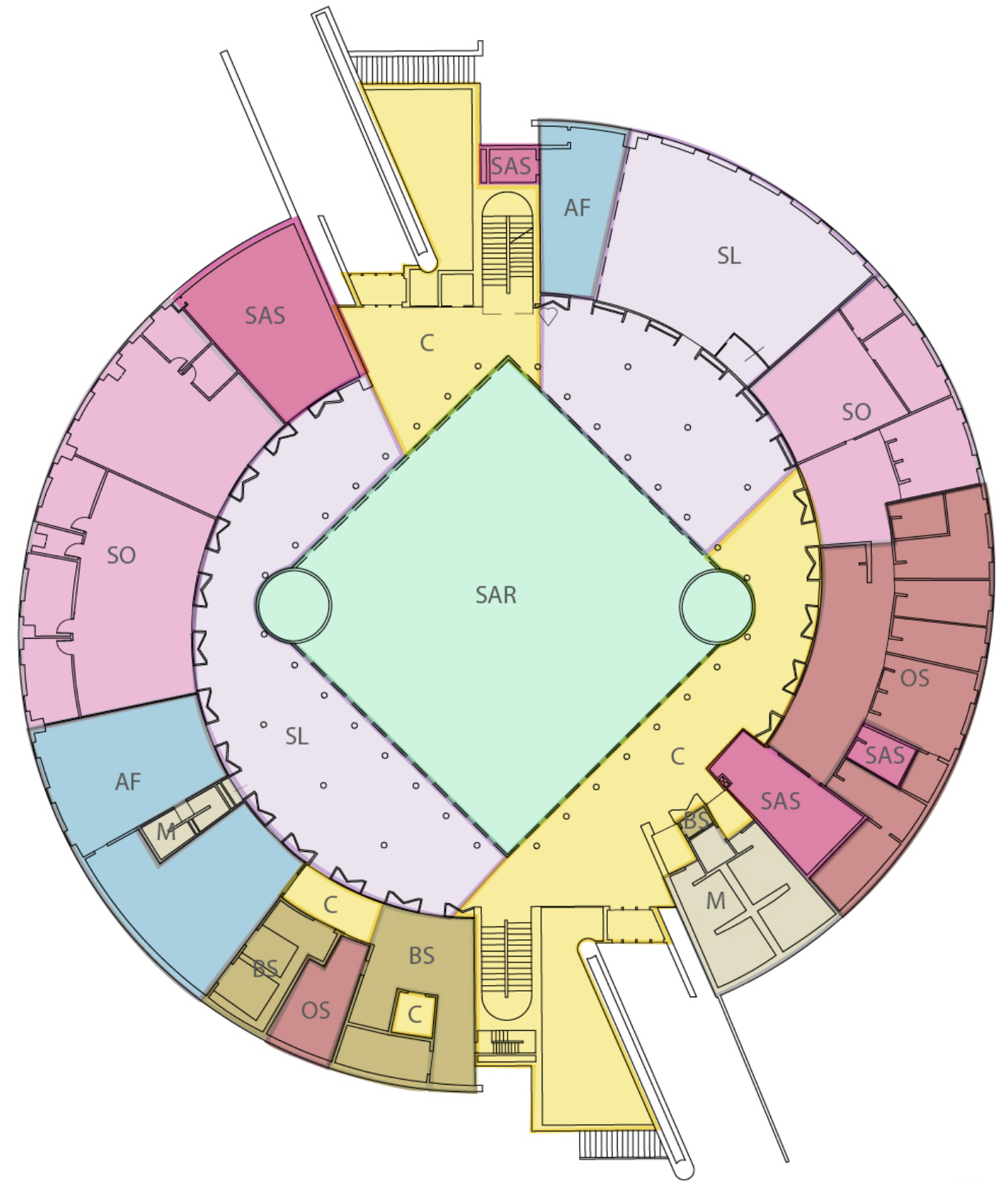


Terrace Level





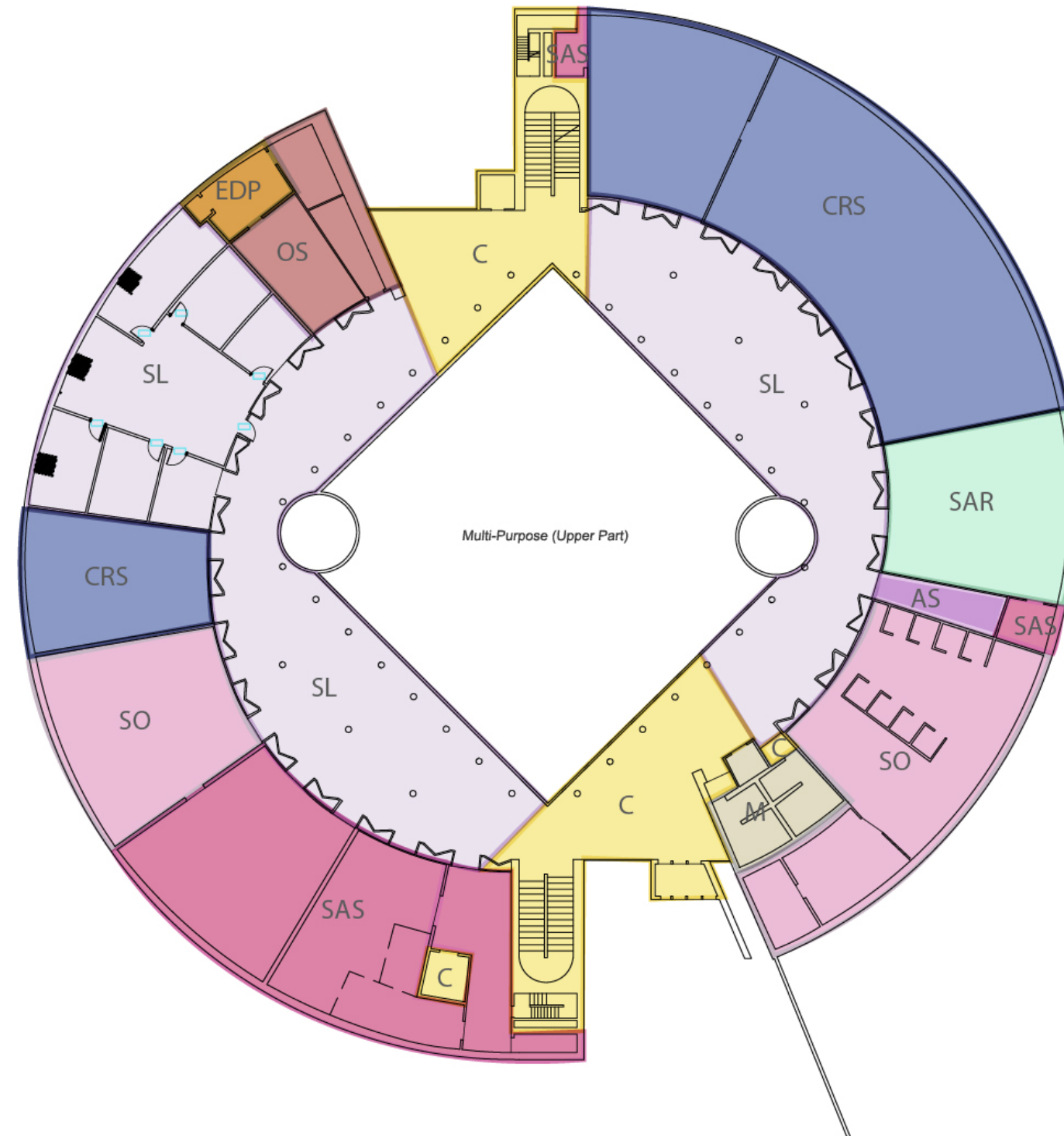
Basement



Ground Floor

Williams Center

- AS Administration Services
- AF Aux Food Space & Service
- BS Building Services
- C Circulation
- CRS Conference Rooms & Serv
- EDP EDP Prod Facilities
- M Mechanical
- OS Offices & Service
- SAS Student Activities Service
- SAR Student Activities Recreation
- SL Student Lounge Space
- SO Student Org Space



Spline Level

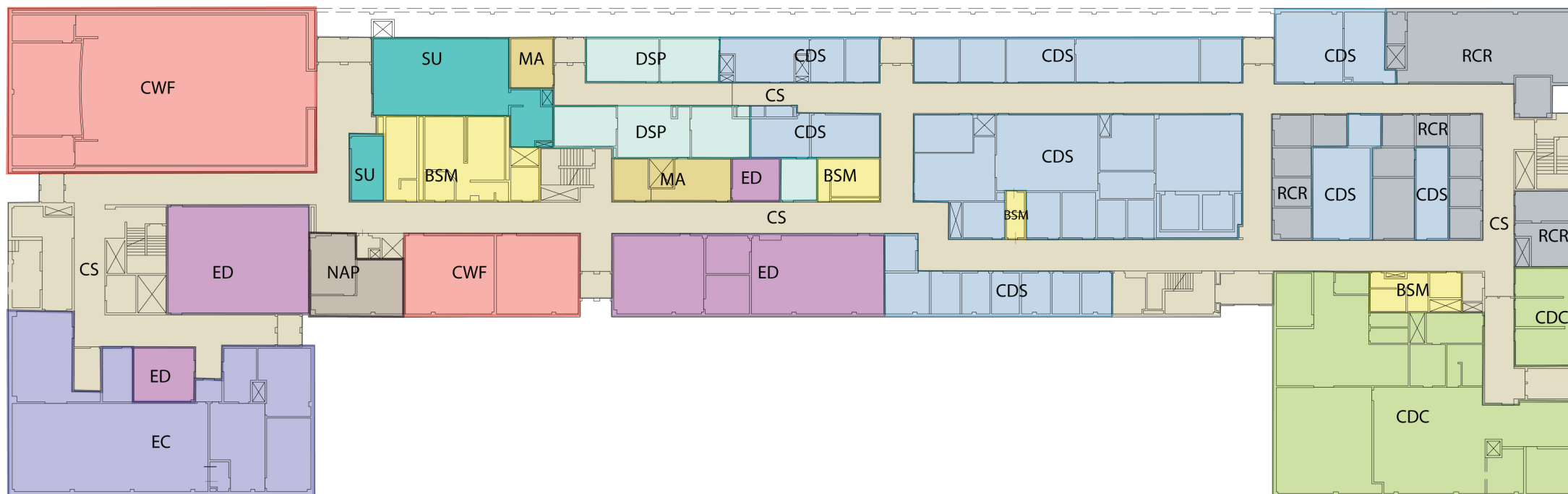
Building Mapping by Department

The following pages contain maps of existing campus buildings at SUNY Fredonia. Mapping of departments was completed for buildings used for instruction of both general and specialized academics. The results of this process were used in Phase V to determine the potential for program relocations, optimizing use-related and departmental adjacencies, and right-sizing within existing facilities. In addition, a thorough understanding of the current use of existing space allowed for the most efficient programming of new facilities in later phases.

Mapping of existing facilities was created using space and department codes present in the Physical Space Inventory (PSI), as indicated in the accompanying keys. Every effort was made to correct any discrepancies between the PSI and actual use of space. In some cases, departmental categories may be somewhat different than organizational departments of the University; this mapping indicates departmental codes of the PSI. For example, several PSI departmental codes may be represented in a single academic department. When these maps are analyzed in later phases, departmental codes are grouped and clarified where necessary to provide the most useful representation of department locations.



Basement

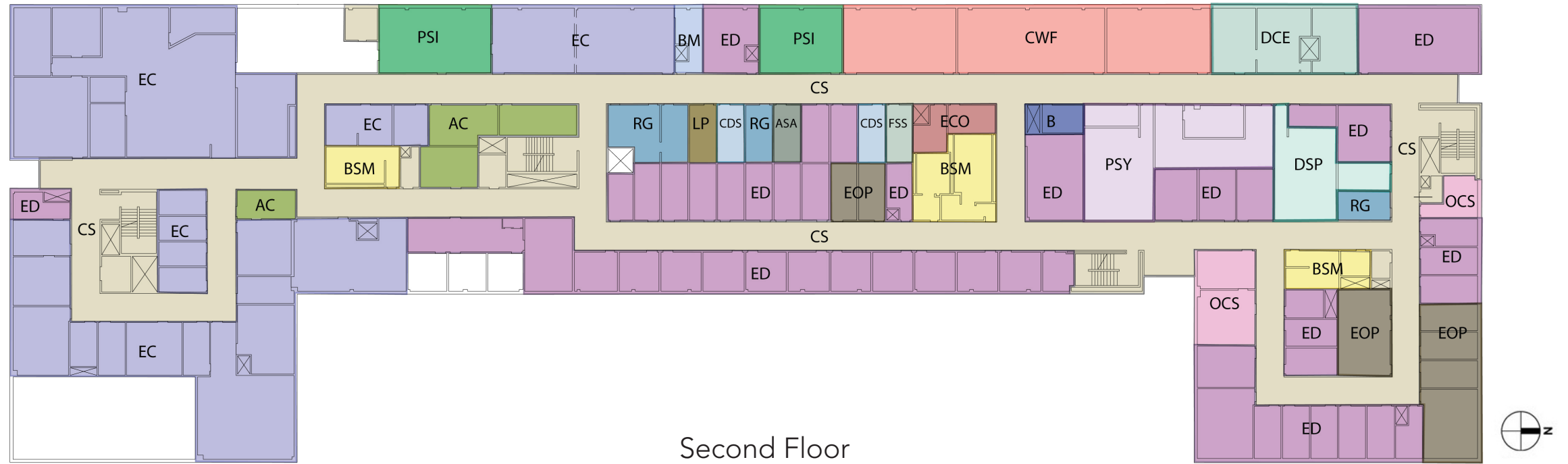


First Floor

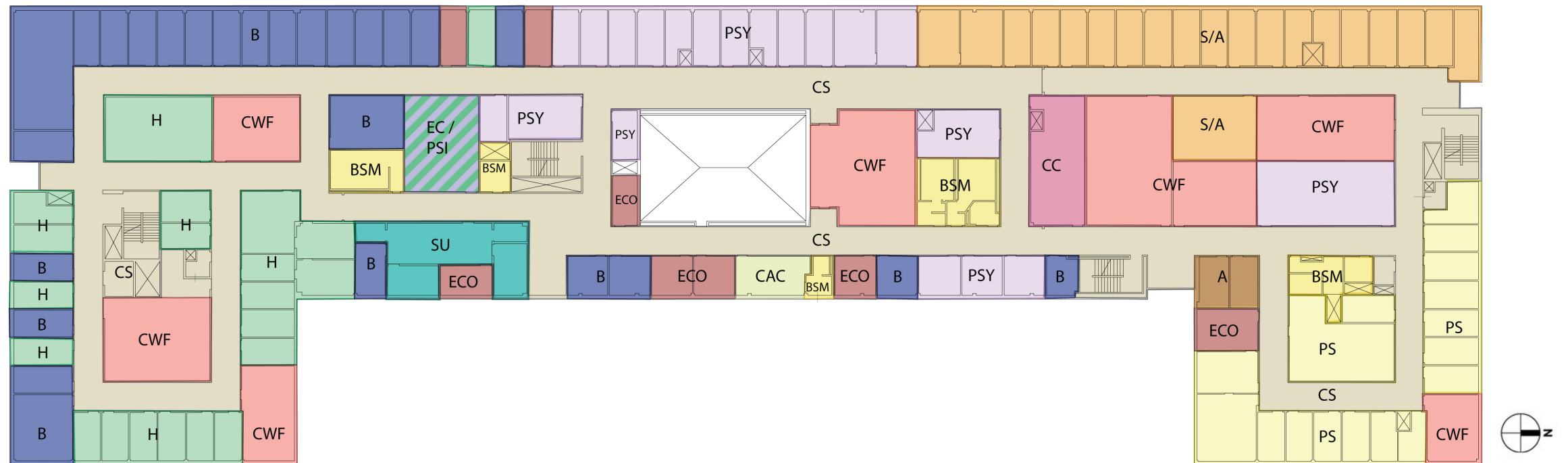


Thompson Hall

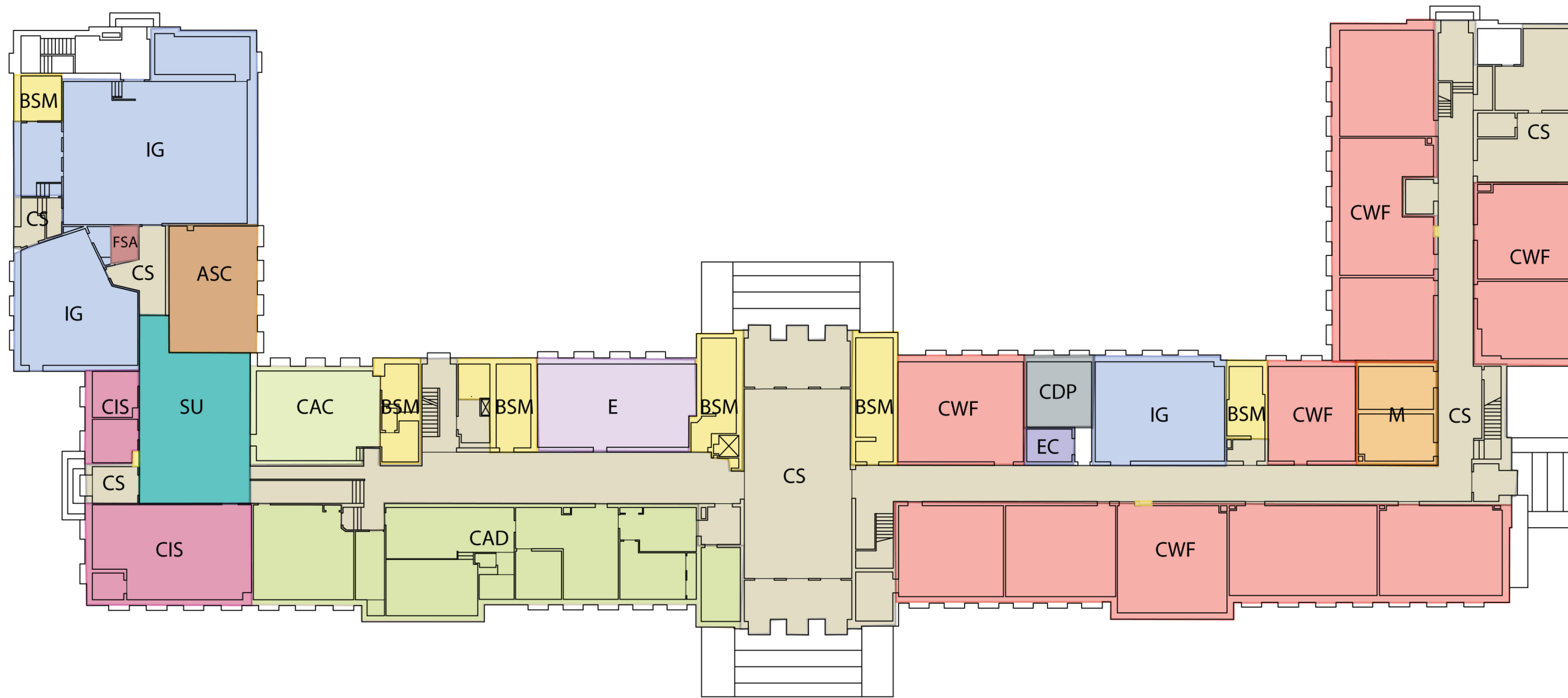
- AC Academic Computing
- ASA Administration Students Affairs
- A Assessment
- BSM Buildings Structural Maint
- B Business
- BM Business Manager
- CWF Campus Wide Facilities
- CAC Chief Academic Office
- CDC Child / Day Care
- CDS Communication Disorder & Scienc
- CC Copy Center
- CS Custodial Services
- DCE Dean of College of Education
- DSP Dean, Special Programs
- ECO Economics
- ED Educational Deptatrment of
- EC Educational Communications
- EOP EOP Administration
- FSS Faculty Support Staff Savings
- H History
- PSI I & DR Equip/ Space Steward (PSI)
- LP Liberty Partnerships
- MA Multicultural Affairs
- NAP Native American Project
- OCS Off Campus Supervised Teaching
- PS Political Science
- PSY Psychology
- RCR Reading Clinic Reimbursable
- RG Research Grants
- SOB School of Business
- S/A Sociology / Anthropology
- SU Student Union



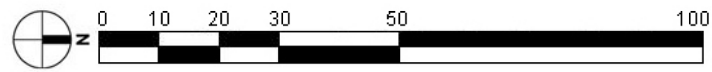
Second Floor



Third Floor



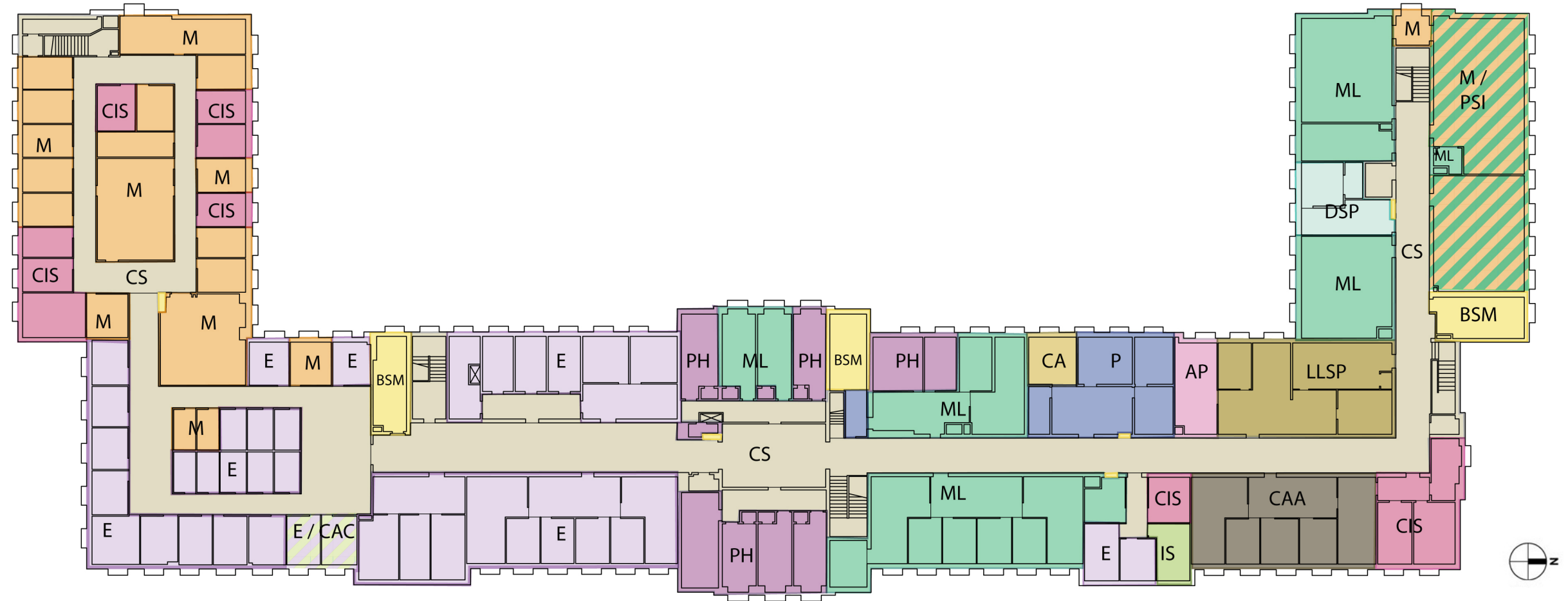
First Floor



Building No. 1

Fenton Hall

- AP Academic Planning
- ASC Auxiliary Service Corporation
- BSM Buildings Structural Maint
- CSW Campus Wide Facilities
- CDP Central Duplicating & Printing
- CAC Chief Academic Office
- CAD Chief Administrative Office
- CA College Affairs
- CIS Computer & Information Sciences
- CAA Counseling / Academic Advising
- CS Custodial Services
- DSP Dean, Special Programs
- EC Educational Communications
- E English
- FSA Food & Service-FSA Contract
- PSI I & DR Equip/ Space Steward (PSI)
- IG Instruction General
- IS Interdisciplinary Studies
- LLSP Lifelong Learning & Special Prog
- M Mathematics
- ML Modern Languages
- PH Philosophy
- P Publications
- SU Student Union



Second Floor



Basement



First Floor

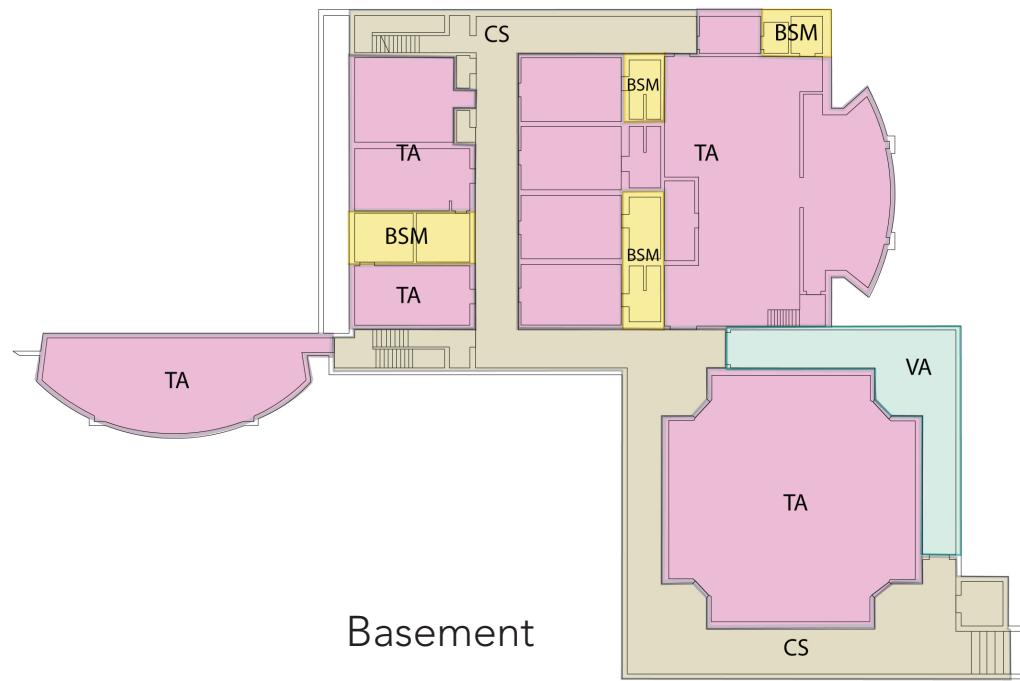


Houghton Hall

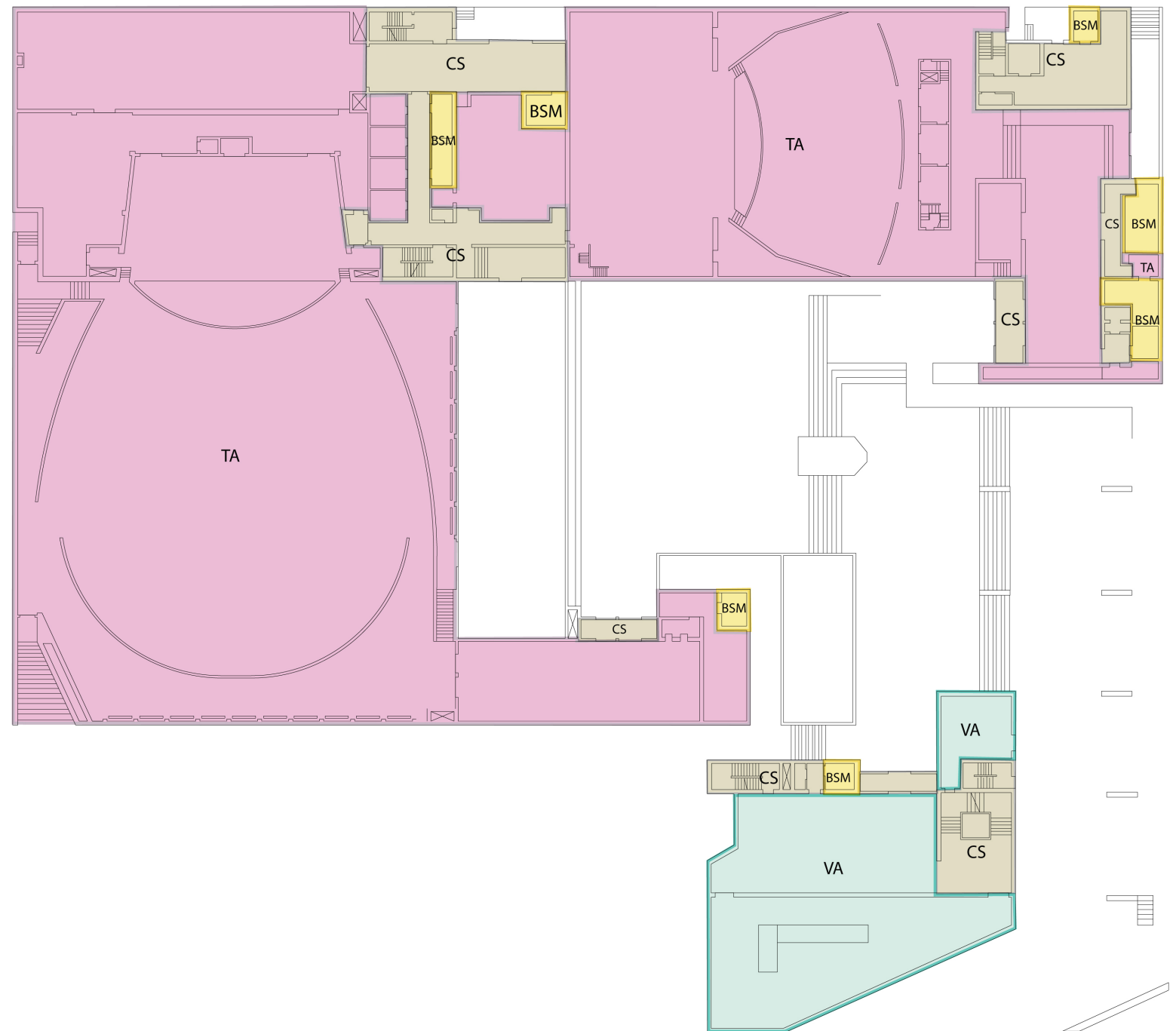
- BSM Buildings Structural Maint
- CWF Campus Wide Facilities
- CH Chemistry
- CAC Chief Academic Office
- CAD Chief Administrative Office
- CS Custodial Services
- GEO Geology
- IG Instruction General
- PHY Physics
- SU Student Union



Second Floor



Basement

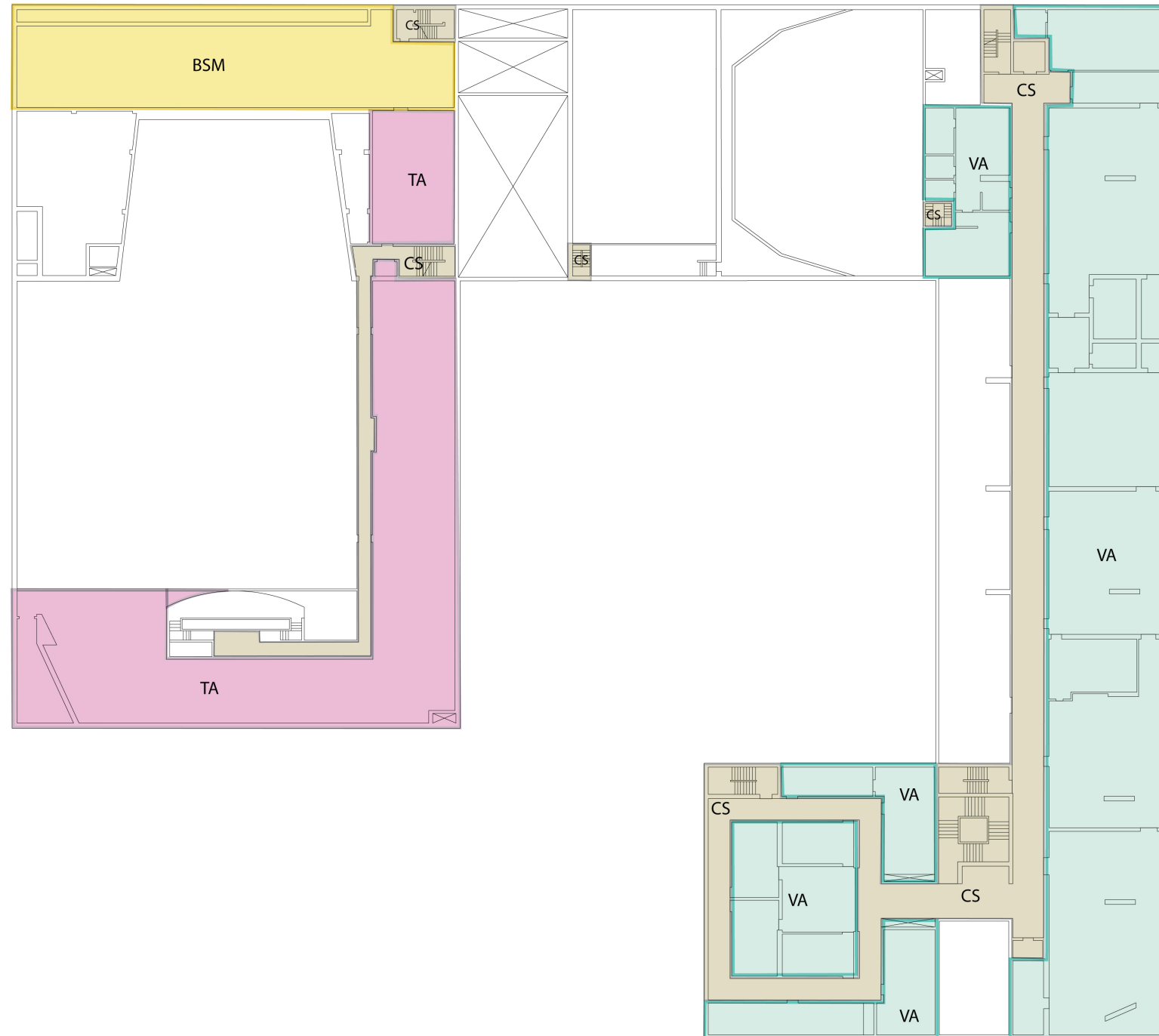


Plaza Level

Rockefeller Arts Center

- BSM Buildings Structural Maint
- CWF Campus Wide Facilities
- CS Custodial Services
- FA Fine Arts Activities
- SU Student Union
- TA Theatre Arts
- VA Visual Arts New Media





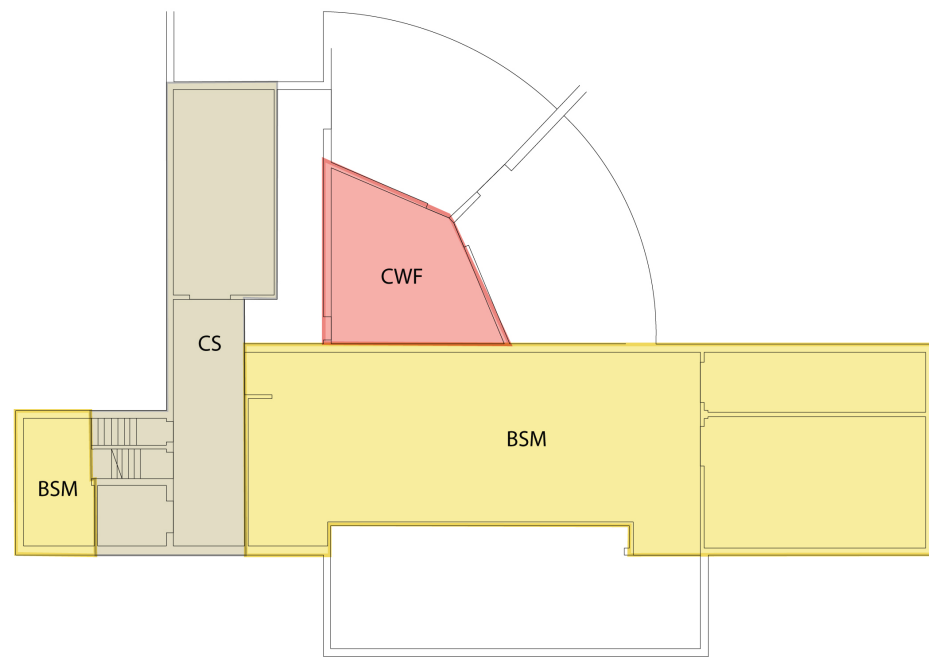
Third Floor



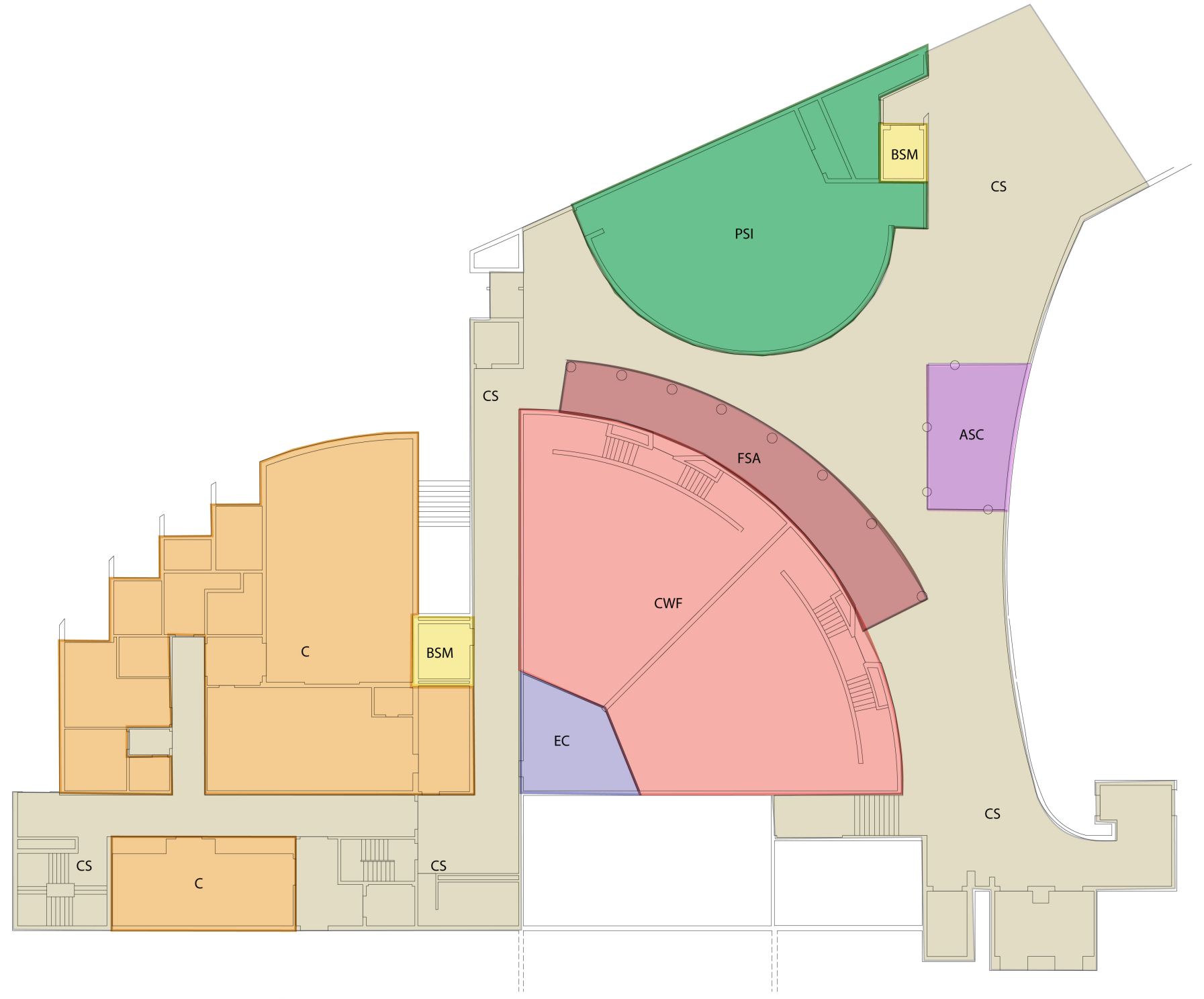
Building No. 13

Mc Ewen Hall

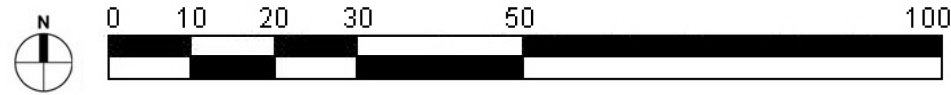
- ASC Auxiliary Service Corporation
- BSM Buildings Structural Maint
- CWF Campus Wide Facilities
- C Communications
- CS Custodial Services
- EC Educational Communications
- FSA Food & Service-FSA Contract
- PSI I & DR Equip/ Space Steward (PSI)
- VA Visual Arts New Media

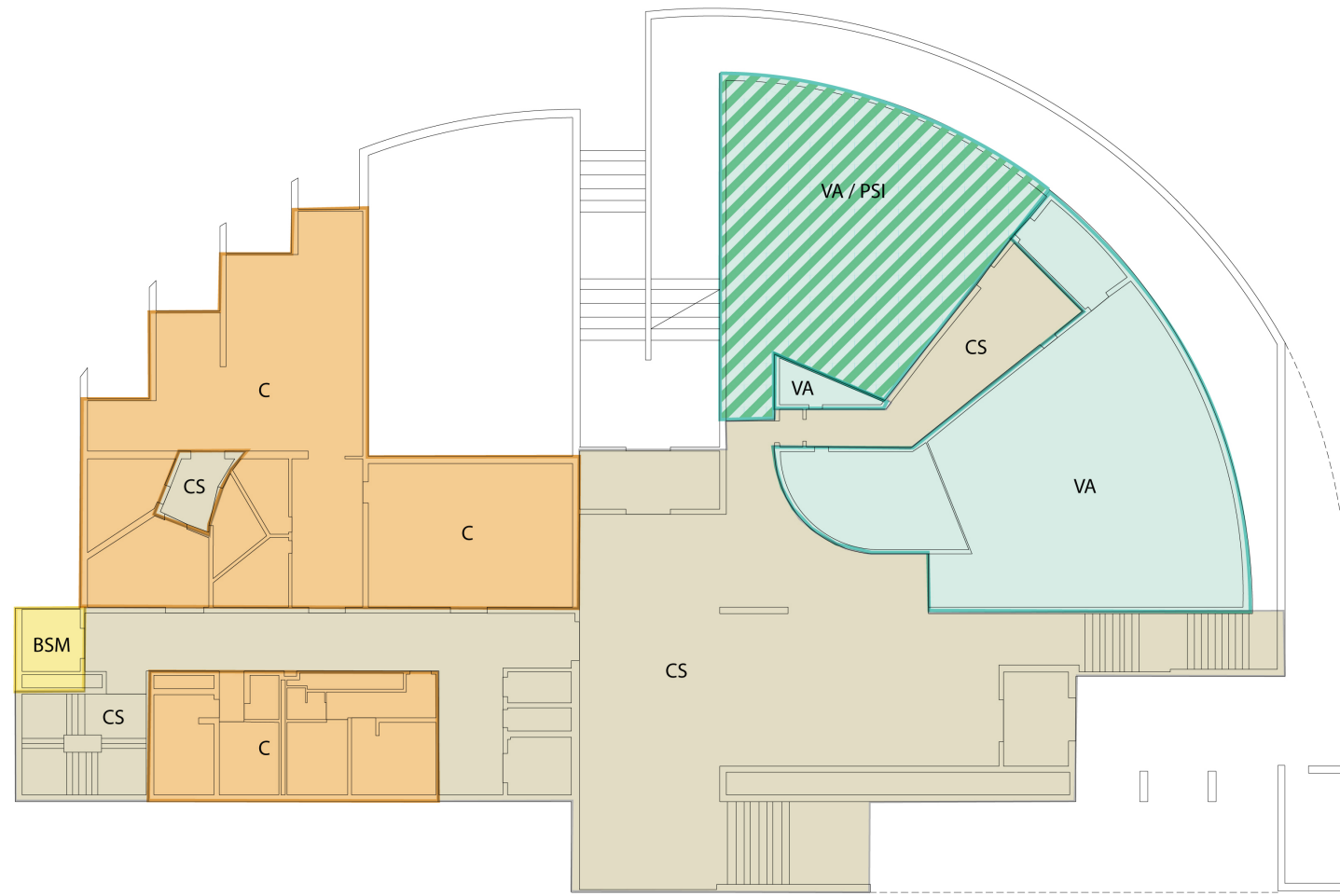


Basement

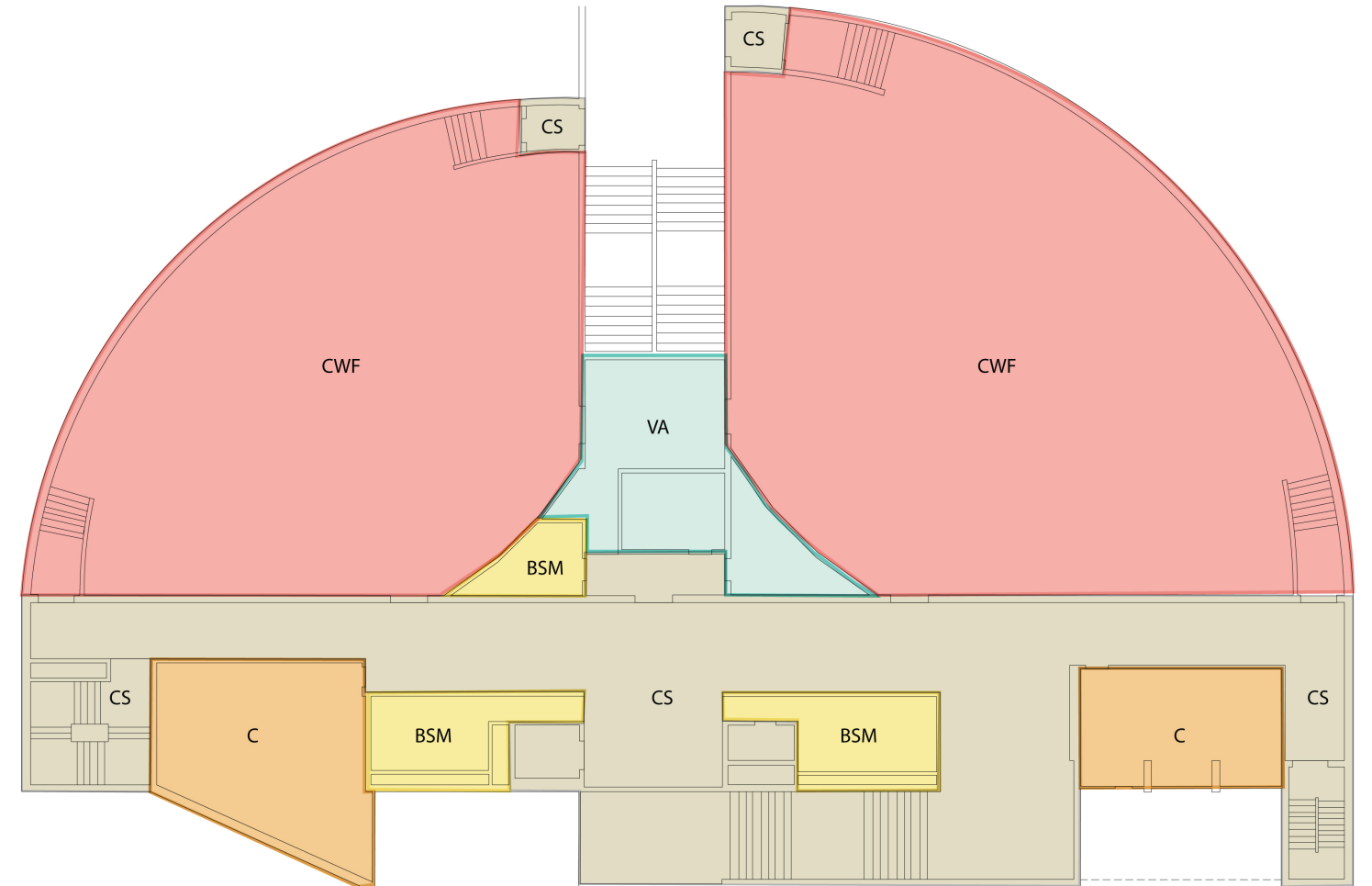


Ground Floor



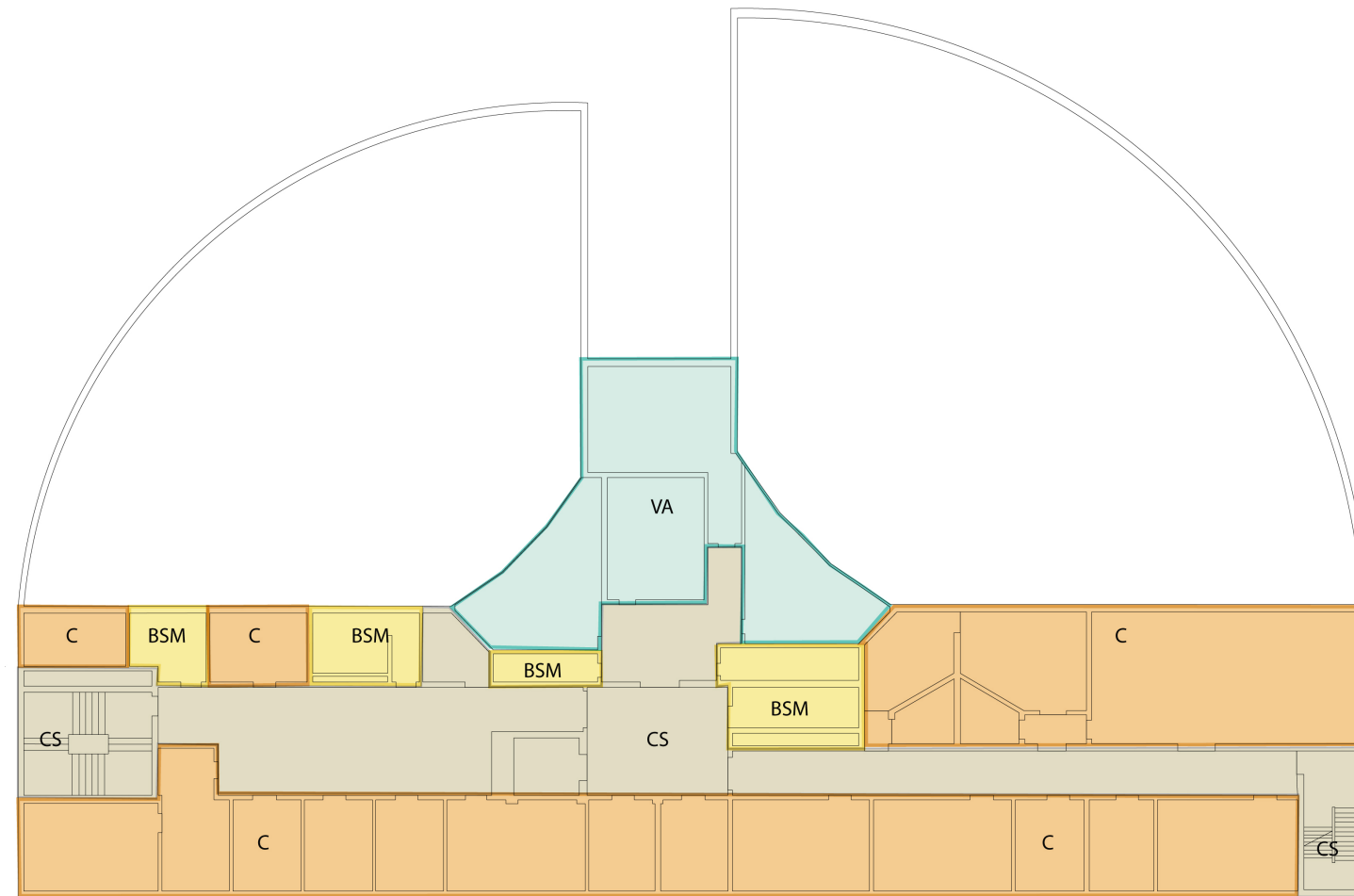


First Floor



Second Floor



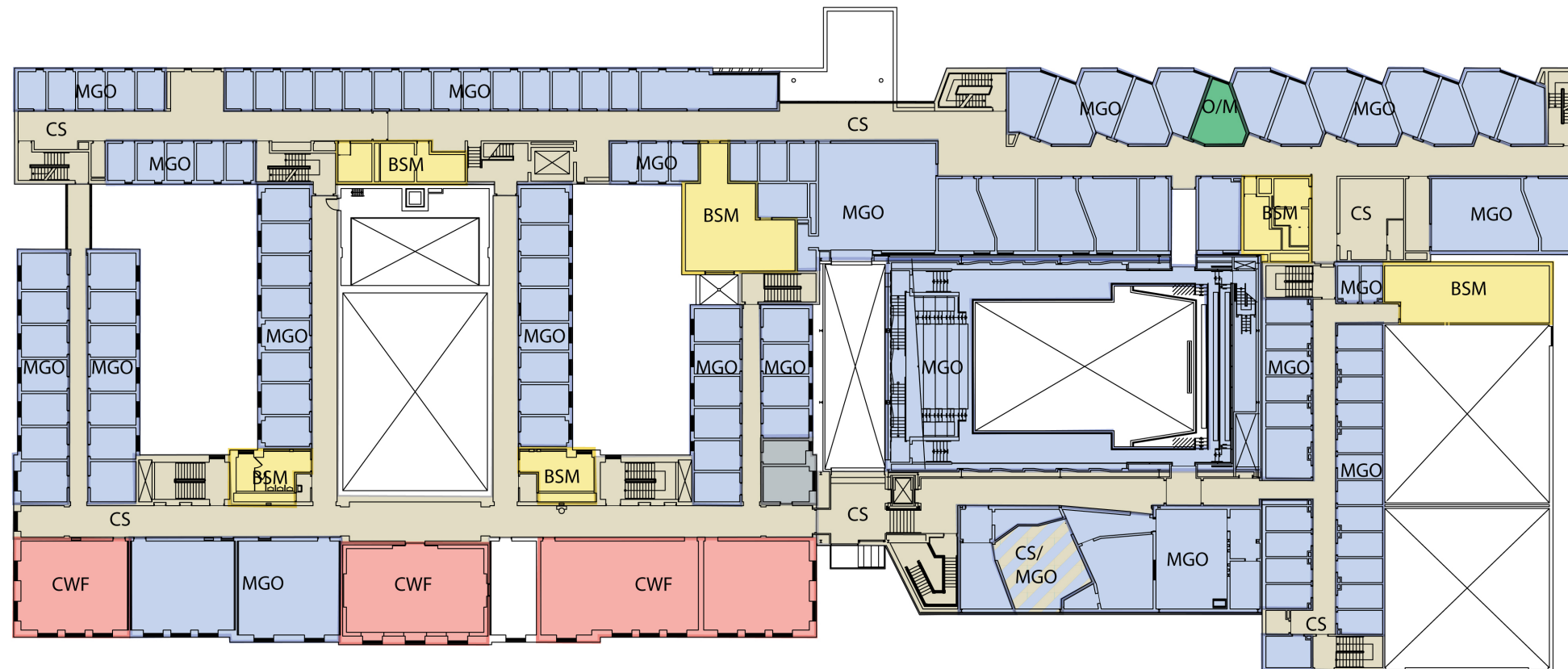


Third Floor





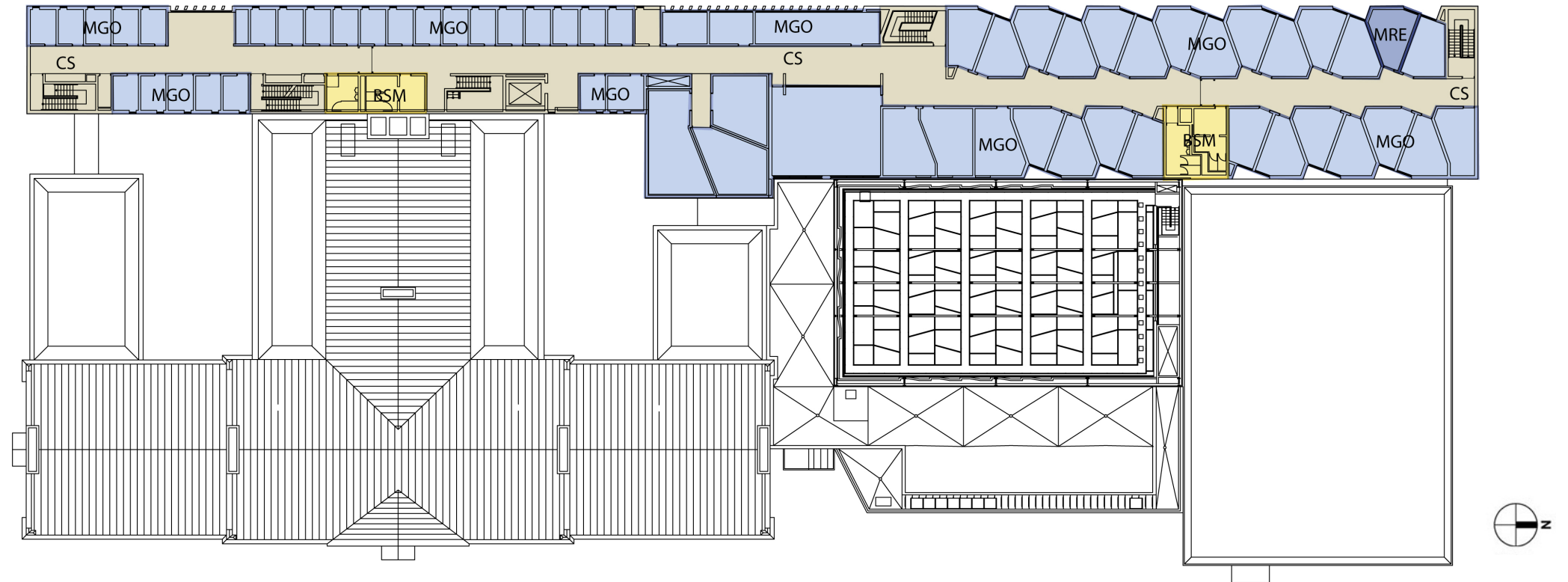
First Floor



Second Floor

Mason Hall

- ASC Auxiliary Service Corporation
- BSM Buildings Structural Maint
- CWF Campus Wide Facilities
- CS Custodial Services
- GL General Library
- MGO Music - General Operations
- MRE Music - Recharges & Expenses
- O/M Outreach / Marketing
- RH-B Res Hall - Buildings Structural
- RH-C Res Hall - Custodial Services



Third Floor

Dods Hall

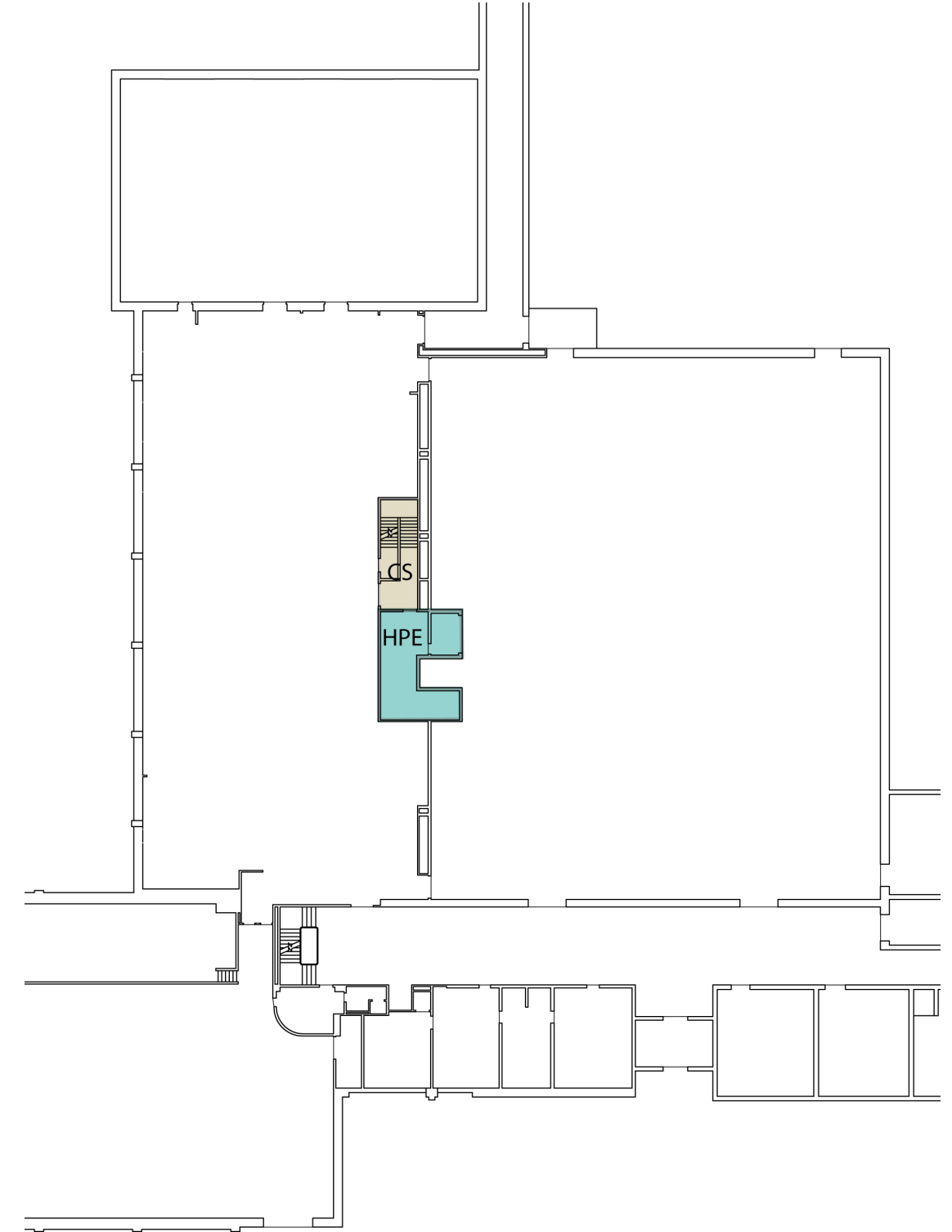
- BSM Buildings Structural Maint
- CWF Campus Wide Facilities
- CS Custodial Services
- HPE Health & Physical Education
- TA Theatre Arts



Ground Floor



First Floor



Second Floor

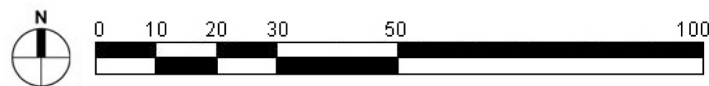




Basement



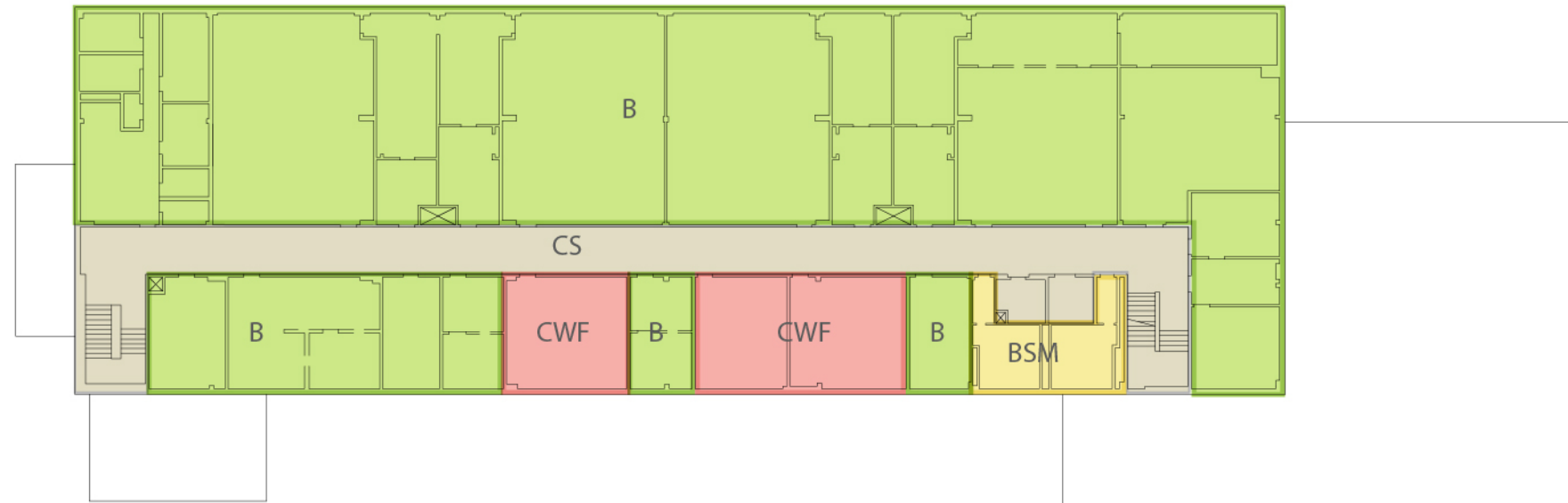
First Floor



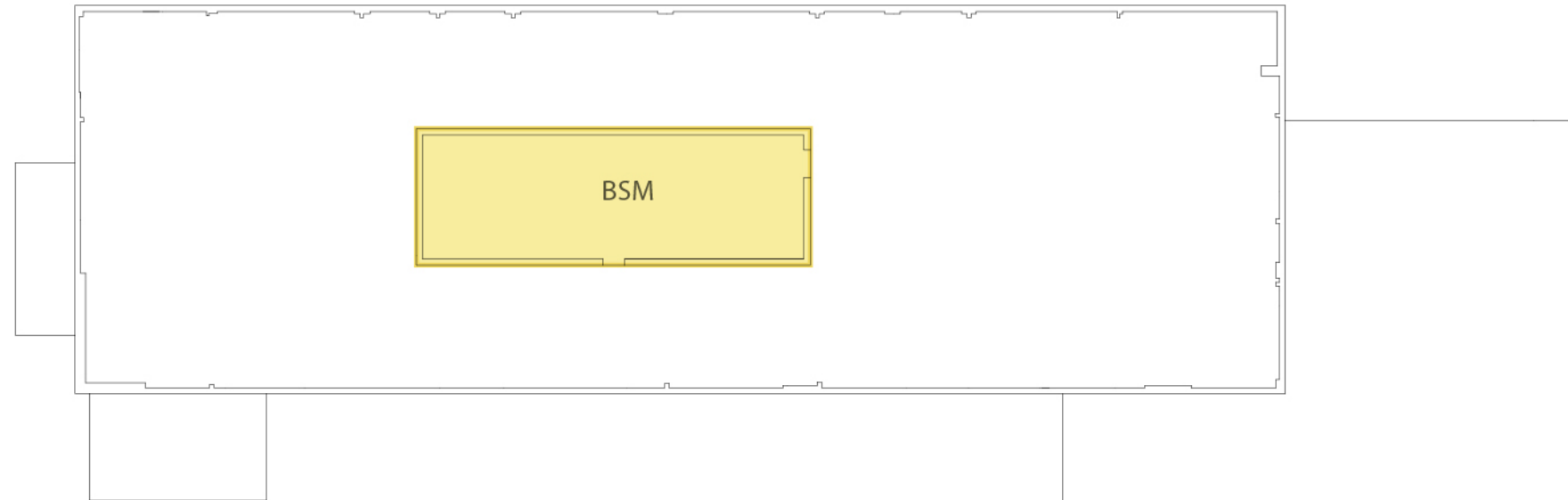
Building No. 14

Jewett Hall

- B Biology
- BSM Buildings Structural Maint
- CWF Campus Wide Facilities
- CAC Chief Academic Office
- CO Communication
- CS Custodial Services
- GL General Library
- HP Health and Physical Education
- IG Instruction General
- SU Student Union

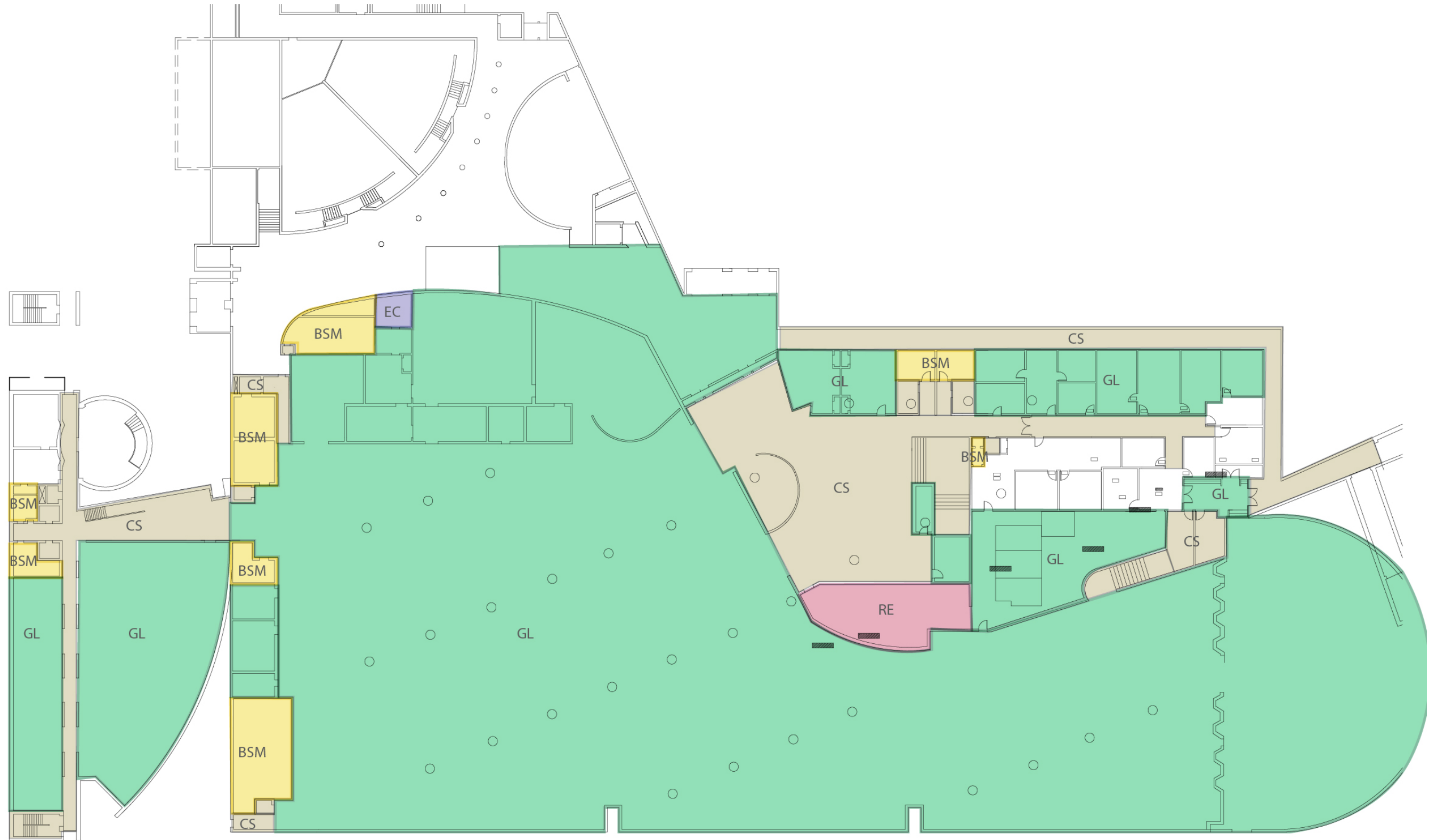


Second Floor



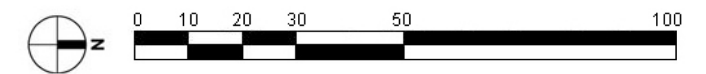
Penthouse





Carnahan Jackson Center
- First Floor

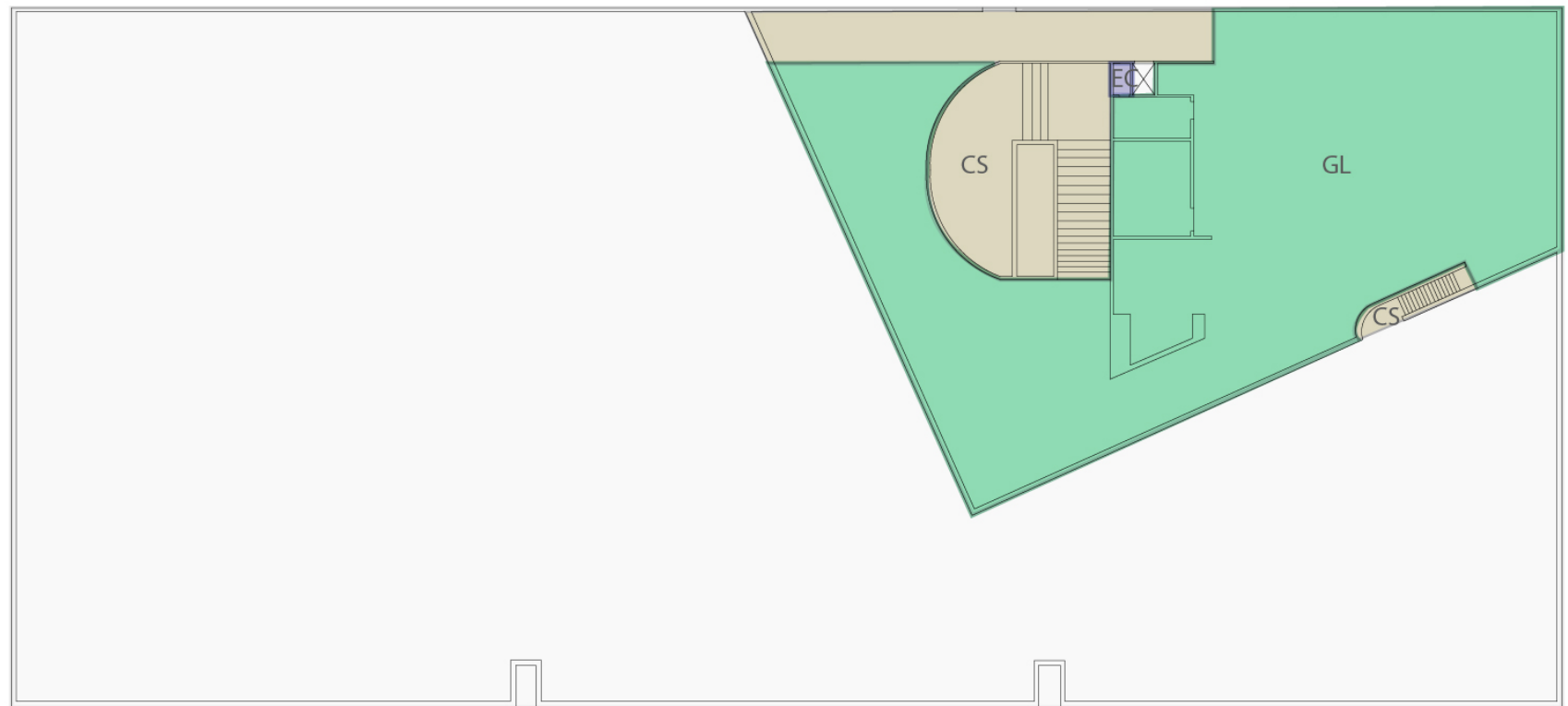
Reed Library - First Floor



Building No. 12 & 12a

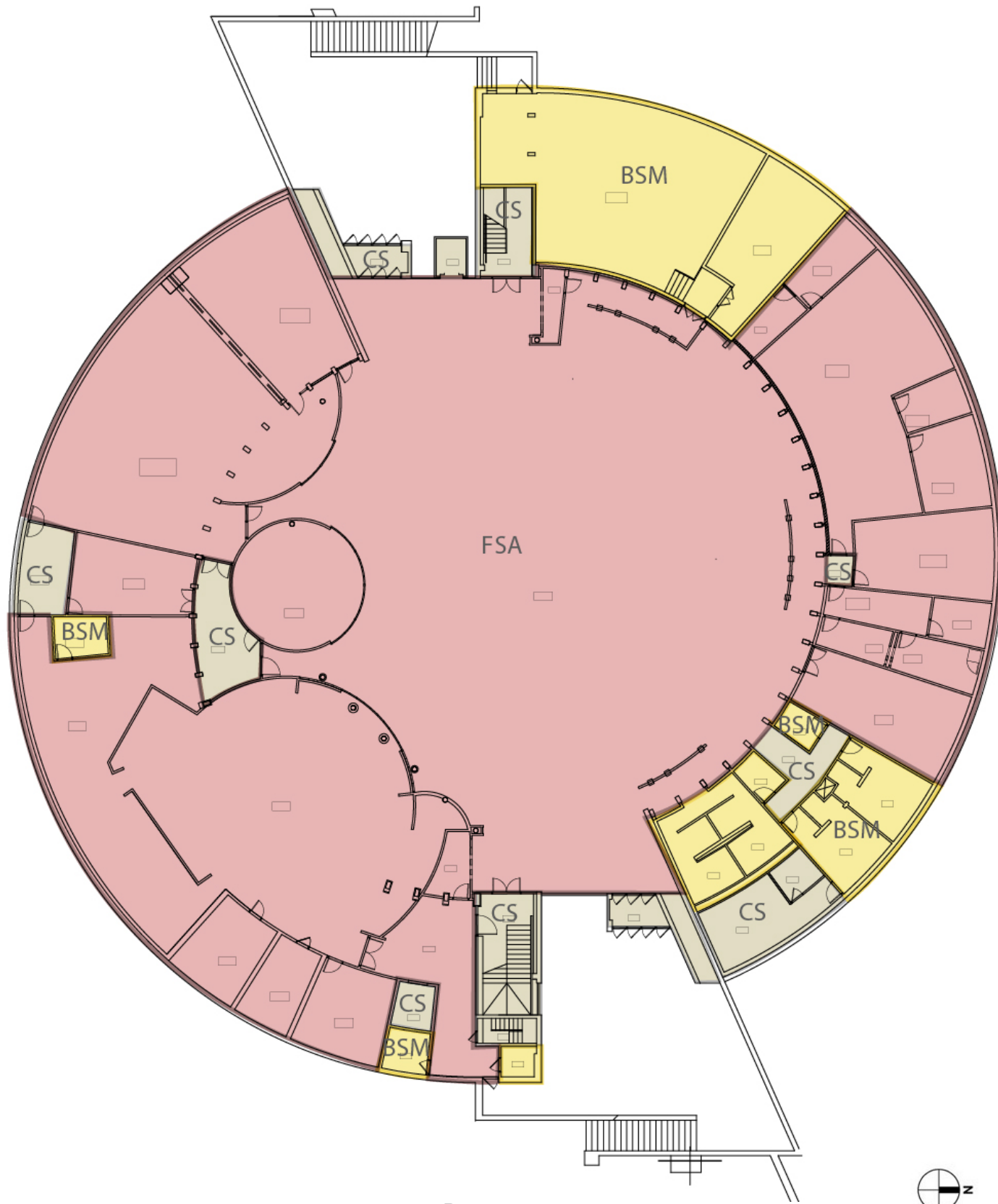
Reed Library & Carnahan Jackson Center

- BSM Buildings Structural Maint
- CS Custodial Services
- EC Educational Communications
- GL General Library
- RE Registrar

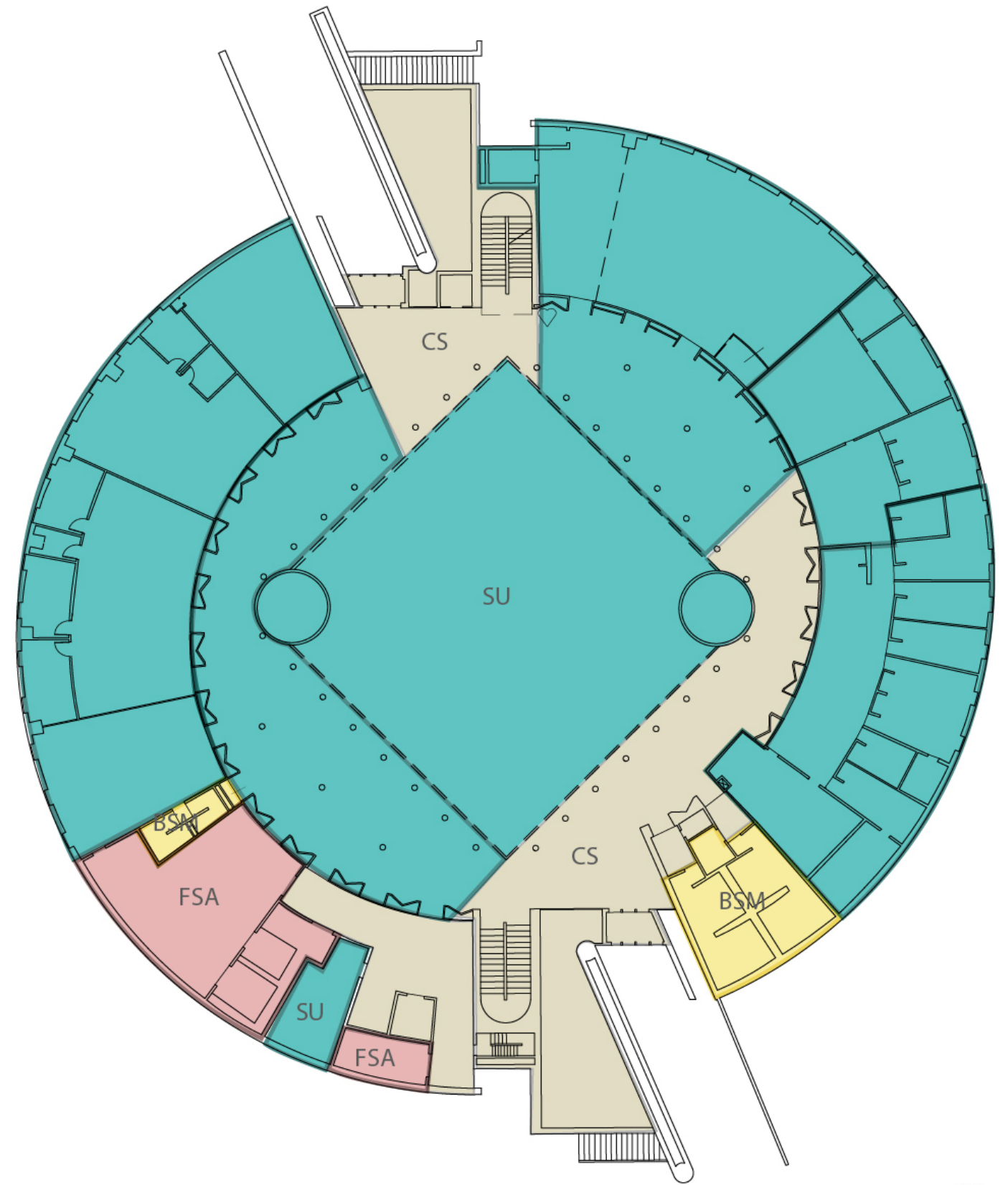


Terrace Level





Basement

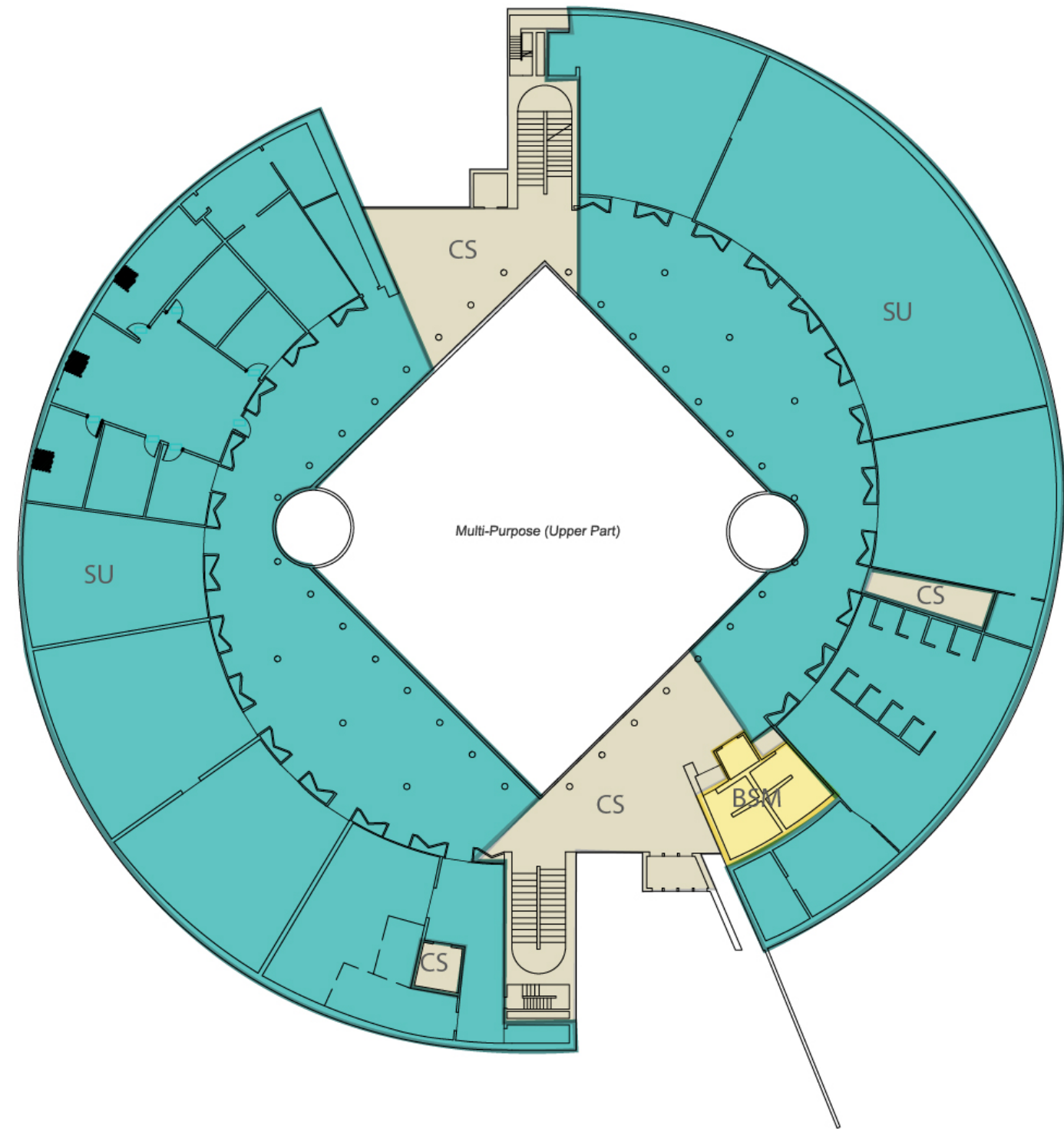


Ground Floor

Building No. 30

Williams Center

- BSM Buildings Structural Maint
- CS Custodial Services
- FSA Food & Service-FSA Contract
- SU Student Union



Spline Level