The University of Georgia

T e c h n i c a l M e m o r a n d u m

Date	October 5, 1998
Project	University of Georgia Physical Master Plan
Subject	Space Needs Analysis to Target Year (Section IV)
From	Paulien & Associates
To	University of Georgia

Architects and Campus Planners
Ayers/Saint/Gross
222 Saint Paul Place
Baltimore, MD 21202
410/347-8500
Fax 410/347-8519

Architecture and Engineering
Heery International
999 Peachtree Street, NE
Atlanta, GA 30367
404/881-9880
Fax 404/875-1283

Landscape Architecture
Hughes, Good, O'Leary & Ryan
1708 Peachtree Street, Suite 444
Atlanta, GA 30309
404/876-7726
Fax 404/876-6858

Traffic Engineering
LRE Engineering
1475 Peachtree Street, Suite 220
Atlanta, GA 30309
404/888-8800
Fax 404/876-7797

Academic Programming
Paulien & Associates
899 Logan Street, Suite 508
Denver, CO 80203-3156
303/832-3272
Fax 303/832-3380

This technical memorandum is to serve as a cover for the Future Requirements Section to follow. The objective of this work element was to provide the planning team with the overall impact of the future academic program upon campus development.

With this extensive analyses of program needs as a foundation for our physical planning, we have been able to develop a plan for UGA's main campus that will accommodate an increase in UGA's student body from its current size of 29,400 students to 35,000 students.

University of Georgia
FUTURE CAMPUS REQUIREMENTS
TABLE OF CONTENTS

Template Section IV ***Page***

T e c h n I c a l M e m o r a n d u m

July 16, 1998

UGA Master Plan

Future Campus Requirements (Template Section IV)

Paulien & Associates, Inc.

University of Georgia

Chapter four will outline the future campus requirements for the University of Georgia. It will include a description of future academic programs, space needs analysis, parking space requirements, athletic and recreational space requirements, and utility infrastructure requirements. The space needs analysis section will provide projections at the target year periods and will include student enrollment assumptions, faculty and staffing projections, space requirements by academic division, and academic support facility requirements.

The background information used in the chapter four analysis was provided by the University of Georgia and the office of the Georgia Board of Regents. Course information from the Fall 1996 quarter was used, in addition to facilities inventory and staffing information from the Spring of 1997. In conducting the space needs analysis, meetings were held with individual academic and administrative groups across campus. In addition, visits were made to various spaces throughout the campus.

1.0 DESCRIPTION OF FUTURE ACADEMIC PROGRAM

1.1 Program Summary

This section will summarize the proposed future academic programs. It will also provide student enrollment projections to the year 2002, define the role of continuing education in the future academic programs, and discuss research and service at the University of Georgia.

The University of Georgia is made up of thirteen major academic units. Each of these units reports directly to the Provost. These colleges and schools are:

- College of Agricultural and Environmental Sciences
- College of Arts and Sciences
- College of Business
- College of Education
- School of Environmental Design
- College of Family and Consumer Sciences
- School of Forest Resources
- Graduate School
- College of Journalism and Mass Communication
- School of Law

- College of Pharmacy
- School of Social Work
- College of Veterinary Medicine

The following is a brief discussion of future trends for these programs.

College of Agriculture and Environmental Sciences

The College of Agriculture and Environmental Sciences was founded in 1859. Until a year ago, the College showed 23 consecutive quarters of growth in student enrollments. In the last year it has had one quarter with constant enrollment and two quarters of decline. Growth in Agriculture and Environmental Sciences is in the environmental programs. There has been no growth in the traditional agricultural areas, such as dairy or poultry sciences. Planning for the future revolves around the need for more laboratory, computer, and classroom space for Food, Environmental, and Engineering majors, rather than an increase in space for crops. Changes in Agriculture and Environmental Sciences will result in redistribution of space utilization and in interdisciplinary collaborations with Forest Resources, Family and Consumer Sciences, and Veterinary Medicine.

College of Arts and Sciences

The College of Arts and Sciences is the oldest and largest college within the University of Georgia. Founded in 1801, it includes more than 14,000 students from all across the campus in some 50 different majors. Because essentially all lower division undergraduate students are taught by Arts and Sciences faculty, the College of Arts and Sciences will be strongly affected by anticipated enrollment growth.

In addition to enrollment growth, the conversion to semesters will dramatically affect the space needs for the College. As a general rule, the College of Arts and Sciences will need to put half again as many students in classes after the conversion to semesters. This will increase space utilization and will extend the day. It is worth noting that a few years ago, as a separate event, some of the College's classes were scheduled in the evening periods to utilize space more efficiently.

College of Business

The College of Business recently survived a huge fire and renovation in Brooks Hall and occupied its new classroom building, Sanford Hall. In Caldwell Hall, classrooms were remodeled with computer network connections added to 450 classroom seats, following the technology standard set when Sanford Hall opened. The College, founded in 1912, has historically taught classes all over the campus. Since a large portion of credit hours for undergraduate Business majors are taken outside the College's three buildings, Business students take classes in all parts of the campus. Alternately, students in the College of Arts and Sciences majoring in Economics take classes in the College of Business. There is a joint MBA/JD program whose students use the Law Library, as do Business students majoring in Accounting and Risk Management/Insurance.

To move to a higher level of service, the College of Business anticipates enlarging the MBA program, adding an executive MBA program, and increasing distance learning opportunities.

College of Education

The College of Education, founded in 1908, is one of the largest and most comprehensive in the nation. There are approximately 225 full-time faculty, 400 graduate assistants, and 153 staff serving a student body of 2,500 undergraduates and 2,000 graduate students. The College is organized into four schools: the School of Health and Human Performance, the School of Leadership and Lifelong Learning, the School of Professional Studies, and the School of Teacher Education. The College is located in five buildings on South and East Campus: Aderhold Hall, the Ramsey Center, the River's Crossing building and its annex, and a part of the Physical Education building.

The College provides undergraduate and graduate classes across the state, but primarily in central and north Georgia. The University will soon acquire a satellite teaching campus in Gwinnett County. The College expects to play a primary teaching role at the new Gwinnett Center.

Consistent with the strategic plan of the University and the mission of the College, it has been proposed that a new building, consisting of 150,000 square feet, be built adjacent to Aderhold Hall. The primary purpose of this building will be to bring together in one highly visible place all of the College's departments, programs, and projects that provide service and outreach to the community and citizens of the state of Georgia.

Aderhold Hall was built almost thirty years ago and the design of the building was not very progressive. It is a brick rectangular-shaped building with seven floors and approximately 200,000 square feet of usable space. It is proposed that the appearance of Aderhold Hall be changed by enclosing the lower three or four floors of the building with more architecturally pleasing addition. This would provide the additional classroom and office space needed by the College to accommodate the increased enrollment growth planned for the University and for the College.

School of Environmental Design

The School of Environmental Design, founded in 1969, is the newest of the schools at the University of Georgia. It is the largest landscape architecture school in the country. The School offers a five-year Bachelor degree in Landscape Architecture and Masters degrees in Landscape Architecture and in Historical Preservation. There is currently discussion of adding a four-year Bachelor of Environmental Design degree. This four-year option will increase the number of students in the School of Environmental Design.

The existing student body in the School of Environmental Design is not all able to be assigned individual studio desks which is critical for the Design Laboratory Experience. The expected increase in the number of students will exacerbate the student desk shortage. The School of Environmental Design is looking toward having students bring prescribed computers for AutoCAD use. This would require desks and tables to be wired for computer ports and would require an ability to secure the computers and studios.

The School is looking at creating a Center for Community Design and Preservation which will function as both the School's service outreach arm and as a research function for the faculty.

College of Family and Consumer Sciences

The College of Family and Consumer Sciences, established in 1933, is comprised of four departments: Child and Family Development; Foods and Nutrition; Housing and Consumer Economics; and Textiles, Merchandising, and Interiors. The main building is Dawson Hall, but faculty and staff are housed over ten campus buildings, including McPhaul Center, Boyd Graduate Studies, River's Crossing Building, Hoke Smith, Barrow Hall and a cluster of four houses now converted to offices.

As a result of over 20% increase in undergraduate enrollment in recent years, and significant growth in research and outreach programs, the need for lecture halls, classrooms, seminar rooms, laboratories, and offices is very pressing. An expansion of Dawson Hall to centralize departmental activities and increase student interaction with faculty would enhance the program.

Advances in technology both in teaching and research have dramatically changed the discipline. The College's ability to perform research to benefit Georgia's economy (e.g., textiles and environmental studies) and to enhance the well-being of individuals, families, and communities (e.g., nutrition, housing, and parenting studies) requires greatly expanded facilities. The College extends the knowledge it generates to the State through its Extension and other outreach programs. The outreach program would be strengthened if all faculty were located in close proximity within departments with necessary support systems.

School of Forest Resources

The School of Forest Resources was founded in 1906 and has over 500 students enrolled. The School occupies four buildings. It moved into its most recent building in 1992. The School also has over 22,600 acres of land off-campus including 700 acres at Whitehall Forest and 11,000 acres at Bishop F. Grant Memorial Forest.

The School of Forest Resources is one of the top three Forestry programs in the country and delivers programs both over the Internet and through distance learning services. These are in response to a commitment from the School to provide life-long learning opportunities. Presently the School does not have its own Georgia Statewide Academic and Medical System (GSAMS) site, which it sees as necessary in the future to continue to provide classes at distant and corporate locations. Future growth in the School is predicted to be largely in graduate and continuing education.

The field of Forest Resources is evolving toward more bio-research in laboratories, necessitating an increase in laboratory space. There is a trend toward lecture classes in Forest Resources having more of a quantitative aspect requiring more use of computers and connectivity of classrooms.

Graduate School

The Graduate School is located on the fifth floor of Boyd Graduate Studies Research Center. The Graduate School, founded in 1910, is comprised of office space. Graduate students take classes and do research within their various departments. For this reason the Graduate School has relationships with colleges and departments in all the areas of the campus. The Graduate School reports to the Office of the Senior Vice President for Academic Affairs and Provost and has close interactions with the Office of the Vice President for Research. The latter is located near the Graduate School in Boyd Graduate Studies Research Center. Communication with the

colleges and departments around campus is primarily electronic.

The Graduate School funds around 325 students through competitive university-wide assistantships. The Graduate School also funds the travel of senior graduate students who present their findings at national professional conferences. Graduate assistantships at the University of Georgia range from one-third to one-half time.

College of Journalism and Mass Communication

The College of Journalism and Mass Communication was founded in 1915 and moved into the current building in 1969. It is the only accredited Journalism program in the state. Students in the College of Journalism and Mass Communication are required to have a minor or cognate. This reflects the need to learn Journalism technique, but also the need to learn content. The College needs to be near the College of Business and the College of Arts and Sciences so students in Journalism can take classes in Business, Speech Communications, English, Political Science, and History.

Space allocated to the Journalism program in the Journalism Building is both inadequate and in many cases outdated for current programs. The College needs more space for classrooms, seminar rooms, computer laboratories, offices, and storage. Newer laboratories are set up more like news rooms and offices than classrooms. Media is switching more to digital formats. As industry technology equipment has become more compact and portable, instruction in some areas of Journalism is more mobile and less restricted to particular laboratories or studios. However, this does little to diminish the significant need for substantial renovation of a number of facilities for instruction in editing, design and graphics, and layout which must be done in-house.

School of Law

The School of Law, founded in 1859, includes the Law School Building, Law Library Annex, and Dean Rusk Hall. Continuing Legal Education is located off-campus in an antebellum house which belonged to the first Georgia Chief Justice. Courses for Continuing Legal Education are held at the Georgia Center and elsewhere around the state of Georgia.

The Law School has 650 to 675 students and is one of four law schools in the state. There is a declining demand for legal education nationwide. There is no predicted expansion of the enrollment in the Law School. Predicted growth in the Law School will be in the Law Library. It is anticipated that the Library will gain 6,000 volumes per year for the next three years and after three years will gain 10,000 volumes per year. While the Law Library uses and will continue to increase use of electronic formats, the Library can not use the electronic formats to replace law books. Even with technology and electronic formats, book publishing has increased, and law students will still need to learn how to use law books.

College of Pharmacy

The College of Pharmacy was founded in 1903 and currently has between 400 and 440 professional students and 70 to 80 graduate students in its programs. The College offers a Doctor of Pharmacy degree which involves two years of pre-pharmacy followed by four years of study in the College of Pharmacy. It offers both the M.S. and Ph.D. degrees. It is likely the College will also offer a four-year Bachelor of Science in Pharmaceutical Sciences degree requiring two years of study in the College of Pharmacy. This new degree would be a pre-health

sciences/health professions degree.

The College of Pharmacy has an innovative curriculum which includes problem-based learning and distance learning. The College is one of the greatest distance education users on campus. Classes are linked between the campus and the Medical College of Georgia. A distance learning program to deliver a Doctor of Pharmacy degree program to practicing pharmacists throughout the state has been initiated.

The College of Pharmacy needs its security considered as part of the campus master planning process. Security is needed for drugs and pharmaceuticals in the buildings.

School of Social Work

The School of Social Work was founded in 1964 and enrollment is strong. Growth in this unit is limited by admissions levels. There are 700 applicants for the 90 students who are admitted to the graduate program. The School of Social Work could grow if space permitted. Increased growth would allow the School to better respond to the state's needs. There is a large demand for Social Work education in the state. Until two years ago the only Social Work program in Georgia was at the University of Georgia. Now there are two other programs in the state and third one scheduled to open in 1998. Demand is expected to exceed supply for Social Work jobs into the next century.

The School of Social Work is located in Tucker Hall on East Campus Drive. The College of Education vacated the space it was using in Tucker Hall and renovations have begun to enable the School of Social Work to use all of the building. Renovations will provide two large classrooms, two seminar rooms, and office space for adjunct faculty, new faculty, and doctoral teaching assistants. Even with use of the entire building, the School will still not have communal spaces or space for collaborative work with community agencies. Tucker Hall provides a good location, but will not accommodate growth.

College of Veterinary Medicine

Growth in the College of Veterinary Medicine is related more to growth of research and expansion of the profession than to increased enrollment. Slight increase in enrollment may occur within the limits of current resources. The College would like to increase interactivity between the College, other scientists and programs on campus.

The College of Veterinary Medicine, founded in 1946, is a source of new veterinary technology in the state. The Teaching Hospital serves as the ultimate referral center for animal health care in the region, reaching beyond state lines. Public traffic to and from the Teaching Hospital must be readily accessible from main highways into Athens. The physical facilities utilized by the Teaching Hospital are inadequate, and a new building of considerably larger size is needed. Expansion of research facilities must be planned. The new Animal Health Research Center, scheduled to open in 1998, will be for research in highly infectious and hazardous materials. The new facility is predicted to increase the growth of the College by attracting more talented research scientists. The trend toward corporate practice in the field of veterinary medicine is predicted to increase the number of second referrals and the number of veterinarians practicing specialties.

The College of Veterinary Medicine needs its security considered as part of the campus master planning process. Veterinary Medicine schools have been the targets of extremists. Security is needed for animal laboratories as well as for students and faculty.

For the fall quarter 1996, total enrollment at the University of Georgia was 29,400. This figure is projected to increase, by the year 2002, to a total of 32,500 ("Institutional Enrollment Targets and Ranges - Fall 1998 through Fall 2002"). This calculates to an overall increase of around 10.5 percent from Fall 1996.

Projected Student Enrollments - Fall 1998 to 2002

Year	1998	1999	2000	2001	2002
University of Georgia	30,388	30,838	31,288	31,838	32,500
Total					

1.2 Continuing Education

Continuing Education will continue to play a large and crucial role at the University of Georgia since the reputation of the University is affected by the long-term success of its graduates. The University's commitment to continuing education is reflected in the success of the Georgia Center for Continuing Education. The Georgia Center for Continuing Education is the focal point for the University's continuing education efforts. The Georgia Center serves more than 200,000 people annually through its workshops, training sessions, and seminars offered on campus and throughout the state via distance education.

There has been an increase in the growth of life-long learning and continuing education programs due to improved distance learning delivery methods. The increase in distance and electronic delivery will affect continuing education programs for practicing professionals such as those provided by the Colleges of Veterinary Medicine, Pharmacy, and Business. It is predicted that all University units will become more involved in continuing education.

The use of distance learning has allowed continuing education to become increasingly more individualized and flexible. Continuing education programs have become larger and more successful as they have used distance learning as a delivery method. These programs have created a need for more technology equipment, electronic communication methods, connectivity, and infrastructure. This will continue to be the case in the future as continuing education provides a combination of services using Internet, distance learning, corporate locations. If the University doesn't respond to the need for distance and life-long learning, private industry will. Regardless of direction or system of delivery continuing education programs will need to be supported with adequate equipment and faculty. They will need to become more collaborative and interdisciplinary and include public-private collaborations and programs.

1.3 Research and Service

The University of Georgia mission includes a commitment to three areas – teaching, research, service. Each college and school at the University has a service and outreach program. As a

research university all the colleges and schools and many faculty are actively involved in research. Service and research enable the University to use its resources to improve the quality of life in the state. Both public service and research have been and are expected to remain a high priority.

2.0 SPACE NEEDS ANALYSIS TO TARGET YEARS

This section will cover student enrollment assumptions, faculty and staffing projections, academic space needs and academic support facility requirements for the University of Georgia.

2.1 Student Enrollment Assumptions

Projected enrollments were made to the target year 2002 assuming most colleges and schools would reflect the same 10.5% overall growth as the University as a whole. The exceptions were to the College of Arts and Sciences which is predicted to grow at a slightly greater percentage (11.5%) than the University as a whole and the School of Law which is predicted to remain at the current enrollment level. The enrollment growth projections for the year 2002 were applied to the fall 1996 enrollment figure of 29,404. This calculation produced a 2002 target year enrollment of 32,500. The 32,500 enrollment is the enrollment from "Institutional Enrollment Targets and Ranges - Fall 1998 through Fall 2002" approved by the University System of Georgia Board of Regents.

Projections were then made to the year 2007 using a 19% overall increase, a 20% increase in the College of Arts and Sciences, and the School of Law remaining at the current level. This produced a 2007 target year enrollment of 35,000. The following table illustrates current and expected enrollments by school or college. The table includes undergraduate, professional, and graduate enrollments.

University of Georgia Enrollment															
College	**Fall 1996**					**Projected 2002**					**Projected 2007**				
	Undgrad	**1st Prof**	**Grad**	**Total**	**% Univ Tot**	**Undgrad**	**1st Prof**	**Grad**	**Total**	**% Univ Tot**	**Undgrad**	**1st Prof**	**Grad**	**Total**	**% Univ Tot**
Ag & Env. Studies	1,340		305	1,645	6%	1,481		337	1,818	6%	1,595		363	1,958	6%
Arts & Sciences	12,208		1,906	14,114	48%	13,558		2,117	15,674	48%	14,650		2,282	16,932	48%
Business	3,906		354	4,260	14%	4,316		391	4,707	14%	4,648		421	5,069	14%
Education	2,625		1,958	4,583	16%	2,901		2,164	5,064	16%	3,124		2,330	5,454	16%
Env. Design	346		101	447	2%	382		112	494	2%	412		120	532	2%
Fam. & Cns. Sciences	801		113	914	3%	885		125	1,010	3%	953		134	1,088	3%
Forest Resources	174	223	122	519	2%	192	246	135	573	2%	207	265	145	618	2%
Journalism		674	119	793	3%		745	131	876	3%		802	142	944	3%
Law		640	28	668	2%		640	28	668	2%		640	28	668	2%
Pharmacy		361	65	426	1%		399	72	471	1%		430	77	507	1%
Social Work	46	150	273	469	2%	51	166	302	518	2%	55	179	325	558	2%
Vet. Medicine		316	74	390	1%		349	82	431	1%		376	88	464	1%
Cont. Education		176		176	1%		194		194	1%		209		209	1%
Total Univ. Enrollment	21,446	2,540	5,418	29,404	100%	23,766	2,739	5,994	32,500	100%	25,643	2,901	6,456	35,000	100%

2.2 Faculty and Staff Projections

Academic faculty and staff positions at the University of Georgia totaled 8,049 as of spring of 1997. Staffing projections were made using the same percentage increase in academic faculty and staff as were used for student enrollment projections to the target years 2002 and 2007. These projections produced a total increase in academic faculty and staff to 8,796 in the year 2002 and to 9,428 in the year 2007. Distance learning needs are not projected to have an impact on the number of faculty or staff.

The total number of students, faculty and staff are represented in the table below. Detailed tables of faculty and staff projections as well as a faculty to student ratio table follow.

Projected Student and Staff Populations - 1997 to 2007

Year	1997	2002	2007
Students	29,404	32,500	35,000
Faculty/Staff	8,049	8,796	9,428
Total	**37,453**	**41,296**	**44,428**

Section 2: Existing Faculty and Staff Populations

Base Year 1996*	Staffing Type														TOTAL
School	Dean (VP)	Assoc. Dean	Admin.	Chair	Director	Asst. Dir.	Faculty	Lecturer/ Adjunct	Professional	Technical	Graduate Assistant	Clerical	Worker	Student Worker	
Ag & Env Std	1	5		8	2		209	4	62	188	212	108	51	188	1,038
Art & Sci	1	5	2	27	17	2	645	109	125	189	1,048	108	5	225	2,508
Business	1	1		5	3	1	94	10	39	15	185	25	2	39	420
Devl Studies			1		3	1	13	3	46	2	9	5	2	24	109
Educ	1	1	4	19	9	2	205	14	191	48	279	58	2	38	871
Env Design	1				1		22	3	3	3	20	5		1	59
Fam & Cns Sci	1	2		4	2		52	2	84	31	85	45	7	38	353
Forest Res	1	1	1				41	2	24	61	81	9	10	21	252
Journalism	1	1		3	3	1	28	6	18	4	30	12		5	112
Law	1	2	5		7	4	35	1	46	13	5	34	4	39	196
Military Sci							2		11	6		2			21
Pharmacy	1	2	2	4			38	1	16	15	52	17	2	8	158
Social Work	1	1	1		1		21	2	15	3	59	6		4	114
Vet Med	1	2	1	8	5		92	5	63	178	40	27	25	119	566
VP Acad Aff	2	2	6		15	17	9	3	117	98	322	54	10	163	818
VP Research	1		6		13	1	7		64	135	88	39	29	71	454
TOTAL	15	25	29	78	81	228	1,513	165	924	989	2,515	554	149	983	8,049

*Staffing data snapshot as of Spring 1997

Section 2: Future Faculty and Staff Populations 2002

Target Year 2002	Staffing Type														TOTAL
School	Dean (VP)	Assoc. Dean	Exec./ Admin.	Chair	Director	Asst. Dir.	Faculty	Lecturer/ Adjunct	Professional	Technical	Graduate Assistant	Clerical	Worker	Student Worker	
Ag & Env Std	1	5		8	2		221	4	65	202	233	109	55	205	1,110
Art & Sci	1	6	2	27	17	2	716	116	136	208	1,169	116	5	250	2,771
Business	1	1		5	3	1	104	10	43	16	205	27	2	42	460
Devl Studies			1		3	1	14	3	51	2	10	6	2	27	120
Educ	1	1	4	22	9	2	228	15	211	53	308	64	2	43	963
Env Design	1				1		24	3	3	3	22	6		1	64
Fam & Cns Sci	1	2		4	2		57	2	91	34	94	48	8	42	385
Forest Res	1	1	1				45	2	27	67	90	9	11	23	277
Journalism	1	1		3	3	1	31	7	20	4	33	13		6	123
Law	1	2	5		7	4	35	1	46	13	5	34	4	39	196
Military Sci							2		11	6		2			21
Pharmacy	1	2	2	4			43	1	17	16	57	18	2	9	172
Social Work	1	1	1		1		23	2	17	3	65	7		4	125
Vet Med	1	2	1	8	5		101	5	69	197	43	28	29	129	618
VP Acad Aff	2	2	6		15	17	10	3	129	108	312	58	11	223	896
VP Research	1		6		13	1	8		71	148	96	41	31	79	495
TOTAL	15	26	29	81	81	232	1,662	174	1,007	1,080	2,742	586	162	1,122	8,796

Section 2: Future Faculty and Staff Populations 2007

Target Year 2007	Staffing Type														TOTAL
School	Dean (VP)	Assoc. Dean	Exec./ Admin.	Chair	Director	Asst. Dir.	Faculty	Lecturer/ Adjunct	Professional	Technical	Graduate Assistant	Clerical	Worker	Student Worker	
Ag & Env Std	1	5		8	2		233	4	71	215	250	116	57	219	1,181
Art & Sci	1	6	2	27	18	2	766	126	147	223	1,247	125	5	276	2,971
Business	1	1		5	4	1	111	10	45	17	221	29	2	47	494
Devl Studies			1		3	1	15	3	55	2	11	6	2	29	128
Educ	1	1	4	23	11	2	244	17	227	57	332	70	2	45	1,036
Env Design	1				1		26	4	4	4	24	6		1	71
Fam & Cns Sci	1	2		5	2		62	2	96	37	101	51	8	45	412
Forest Res	1	1	1				48	2	29	73	97	11	12	25	300
Journalism	1	1		4	4	1	33	7	21	5	36	14		6	133
Law	1	2	5		7	4	35	1	46	13	5	34	4	39	196
Military Sci							2		11	6		2			21
Pharmacy	1	2	2	4			45	1	19	17	61	19	2	9	182
Social Work	1	1	1		1		25	2	18	4	70	7		5	135
Vet Med	1	2	1	8	5		111	5	75	211	46	33	29	140	667
VP Acad Aff	2	2	7		16	20	10	4	140	115	338	62	12	236	964
VP Research	1		6		15	1	8		75	162	104	47	34	84	537
TOTAL	15	26	30	84	89	244	1,774	188	1,079	1,161	2,943	632	169	1,206	9,428

Faculty to student ratios averaged 1:17.1 for the fall of 1996 and increased to 1:17.3 when projected at the target year 2002. At the target year 2007 the projected faculty to student ratios show a 1:17.5 average.

Faculty/Student Ratio Summary

Year	Faculty*	Enrollment	# of Students per Faculty
1997	1,719	29,404	17.1
2002	1,877	32,500	17.3
2007	2,004	35,000	17.5

*Includes chair and lecturer/adjunct positions

2.3 **Academic Space Projections**

This section will summarize the current and projected academic space need by academic and academic support function. Fall 1996 course files, along with spring 1997 facility inventory files and staffing data, were assembled by the consultant for use in projecting base and target year space needs. The enrollment and staffing assumptions presented earlier in this document for the target years 2002 and 2007 were used to project target year space needs by space type and are contained in the base and target years space needs analysis summary tables that follow. The following is a brief summary of the findings for the base and target years for each individual space type. A more detailed explanation of guideline applications and results is contained further in this section.

2.3.1 Base Year - 1996

At fall 1996 enrollment levels (21,446 undergraduate, 7,958 graduate students) and spring 1997 staffing figures, the University of Georgia shows a need for an additional 2,402,592 assignable square feet (ASF) of space. This is a 32% increase to existing space. Assignable square footage is defined as the usable space inside classrooms, laboratories, offices, etc. It does not include circulation and building service space or the thickness of walls. The all-inclusive space category, gross square feet (GSF), is used in campus master plan project lists. For most types of space, gross square footage is 25% to 40% more than assignable square footage.

- The guideline assumption for Classroom space indicates an existing deficit of 15,490 assignable square feet. This is a 6% deficit.
- Teaching Laboratory analysis shows a 53% deficit, or 103,929 ASF in the base year.
- The Open Laboratories category shows a slight deficit of 5,880 ASF, or 3%.
- In the base year the Research Laboratories category shows a deficit of 14%, or 107,563 ASF.
- Academic Office space shows a base year deficit of 69,169 ASF or 7% of existing space.
- Administrative Office space shows a base year deficit of 108,719 ASF or 33% of existing space.

- Library space at the University of Georgia shows a base year need for 162,908 ASF or a 38% increase over total existing library space of 425,050 ASF.

- Indoor Recreation and Physical Education space calculations result in a need of 42,494 ASF or 17% of existing space in the base year.

- Athletic space does not lend itself to guideline analysis. For this category it was assumed that all existing space is needed and therefore carried forward as the base year guideline space.

- The Assembly and Exhibit space category shows a deficit of 8,921 ASF or 5%.

- Student Union space shows a need of 137,512 ASF or a 108% increase to existing student center space.

- Central Computer space indicates a surplus of 2,498 ASF or 8% of existing space.

- Physical Plant category shows a surplus of 16% or 55,838 ASF at the base year.

- The Vehicle Storage and Parking category does not lend itself to guideline analysis. For this category it was assumed that all existing space is needed and therefore carried forward as the base year guideline space. Separate analysis is being done to determine needs for additional parking structures.

- The other Academic Department space category shows a deficit of 16,526 ASF or 3% of existing space.

- Other Administrative Department space indicates a need of 31,817 ASF or 12% of existing space.

- Residence Life space shows a deficit of 1,650,000 ASF or 103% of existing space at the base year. The University of Georgia set a target of housing capacity to equal the total number of freshman and sophomore students on campus. This recent policy has driven the guideline calculation and the existing deficit.

2.3.2 Target Year - 2002

At target year 2002 enrollment levels (total enrollment of 32,500) and projected staffing increases, the University of Georgia shows a campus-wide need for an additional 3,248,071 assignable square feet (ASF) of space or 43%. While guideline application produces space deficits in all categories of space at the target year 2002, categories with major (over 50%) additional guideline space needs include Teaching Laboratories, Library, Student Union, and Residence Life.

- The Classroom space category shows a target year deficit of 15% or 41,841 ASF of space.

- Analysis of Teaching Laboratory space indicates a need of 127,225 ASF or 65% at target year enrollments.

- The Open Laboratory space category has a need of 25,709 ASF of space or a 14% increase.

- The Research Laboratories category shows a projected need of 191,643 ASF or 25% at the target year 2002.

- For the Academic Office category, target year guideline application produces a deficit of 156,809 ASF or 17%.

- At the target year the Administrative Office category shows a deficit of 40% or 132,029 ASF.

- Library space at the University of Georgia shows a target year need of 240,727 ASF or a 57% increase over projected library and service space.

- Indoor Recreation and Physical Education space shows a projected need of 73,177 ASF at the target year level. This is a 30% increase from projected space.

- Athletics space does not lend itself to guideline analysis. For this category it was assumed that all existing space is needed and therefore carried forward as the target year guideline space.

- The Assembly and Exhibit space guideline application projects a deficit of 27,497 ASF or 17% at the target year 2002.

- Student Union space shows a target year space need of 165,376 ASF or a 130% increase over projected student union space.

- Central Computer space indicates a need of 598 ASF or only 2% so appears to be in relative balance at the target year 2002.

- Physical Plant shows a surplus of 11% or 38,568 ASF at the target year.

- The Vehicle Storage and Parking category does not lend itself to guideline analysis. For this category it was assumed that all existing space is needed and therefore carried forward as the target year guideline space. Separate analysis is being done to determine needs for additional parking structures.

- Other Academic Department space shows a need for an increase of 13% or 78,037 ASF at the target year 2002.

- Other Administrative Department space category projects a deficit of 17% or 45,972 ASF at the target year.

- At the target year Residence Life guideline analysis indicates a deficit of 1,980,000 ASF or 124%. The target housing capacity, set to equal to the total number of freshman and sophomore students on campus, has driven the guideline calculation and the target year deficit.

The summary tables by space type follow for the base year and the target year 2002.

UNIVERSITY OF GEORGIA - ATHENS

SPACE NEEDS ANALYSIS SUMMARY TABLE TOTALS

BASE YEAR 1996 SPACE TYPE	Permanent Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)	Guideline Gross Square Ft
TOTAL SPACE					
Classroom & Service	280,037	295,527	(15,490)	(6%)	443,291
Teaching Labs & Service	195,914	299,843	(103,929)	(53%)	479,749
Open Labs & Service	190,307	196,187	(5,880)	(3%)	313,899
Research Labs & Service	761,427	868,990	(107,563)	(14%)	1,477,283
Academic Offices & Service	944,264	1,013,433	(69,169)	(7%)	1,520,149
Administrative Offices & Service	331,680	440,399	(108,719)	(33%)	660,599
Library	425,050	587,958	(162,908)	(38%)	823,141
Physical Education & Recreation	243,944	286,438	(42,494)	(17%)	343,726
Athletics	258,082	258,082	0	0%	309,698
Assembly & Exhibit	164,953	173,874	(8,921)	(5%)	243,424
Student Union	127,124	264,636	(137,512)	(108%)	370,490
Central Computer	31,402	28,904	2,498	8%	43,356
Physical Plant	344,517	288,679	55,838	16%	346,414
Vehicle Storage/Parking*	740,024	740,024	0	0%	888,029
Other Academic Department Space	592,498	609,024	(16,526)	(3%)	913,536
Other Admn Department Space	267,082	298,899	(31,817)	(12%)	448,349
Residence Life**	1,603,233	3,253,233	(1,650,000)	(103%)	4,879,850
TOTAL SPACE SUBTOTAL	**7,501,538**	**9,904,130**	**(2,402,592)**	**(32%)**	**14,504,983**

*Separate analysis is being done to determine needs for additional parking structures.

**Space includes residential facilities for President's House (12,048 ASF) and Cont Ed Ctr (47,757).

TARGET YEAR 2002 SPACE TYPE	Projected Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)	Guideline Proj Gross Square Ft
TOTAL SPACE					
Classroom & Service	278,612	320,453	(41,841)	(15%)	480,679
Teaching Labs & Service	195,914	323,139	(127,225)	(65%)	517,022
Open Labs & Service	190,307	216,016	(25,709)	(14%)	345,625
Research Labs & Service	761,427	953,070	(191,643)	(25%)	1,620,219
Academic Offices & Service	944,264	1,101,073	(156,809)	(17%)	1,651,609
Administrative Offices & Service	331,680	463,709	(132,029)	(40%)	695,564
Library	425,050	665,777	(240,727)	(57%)	932,088
Physical Education & Recreation	243,944	317,121	(73,177)	(30%)	380,545
Athletics	258,082	258,082	0	0%	309,698
Assembly & Exhibit	164,953	192,450	(27,497)	(17%)	269,430
Student Union	127,124	292,500	(165,376)	(130%)	409,500
Central Computer	31,402	32,000	(598)	(2%)	48,000
Physical Plant	344,517	305,949	38,568	11%	367,139
Vehicle Storage/Parking*	740,024	740,024	0	0%	888,029
Other Academic Department Space	592,498	670,535	(78,037)	(13%)	1,005,803
Other Admn Department Space	267,082	313,054	(45,972)	(17%)	469,582
Residence Life**	1,603,233	3,583,233	(1,980,000)	(124%)	5,374,850
TOTAL SPACE SUBTOTAL	**7,500,113**	**10,748,184**	**(3,248,071)**	**(43%)**	**15,765,380**

*Separate analysis is being done to determine needs for additional parking structures.

**Space includes residential facilities for President's House (12,048 ASF) and Cont Ed Ctr (47,757).

2.3.3 Target Year - 2007

At target year 2007 enrollment levels (total enrollment of 35,000) and projected staffing increases, the University of Georgia shows a campus-wide need for an additional 3,829,817 ASF or 51%. While guideline application produces space deficits in all categories of space at the target year, categories with major (over 50%) additional guideline space needs include Teaching Laboratories, Library, Student Union, and Residence Life.

- The Classroom space category indicates a target year deficit of 65,017 ASF or 23%.
- Teaching Laboratory analysis shows a need of 152,186 ASF of space or 78% at target year 2007 enrollments.
- The Open Laboratory space category has a need of 25,709 ASF or a 14% increase.

- The Research Laboratories category shows a projected need of 257,303 ASF or 34% at the target year 2007.

- The Academic Office target year 2007 guideline application produces a deficit of 233,689 ASF of space or 25%.

- The Administrative Office target year guideline indicates a deficit of 150,839 ASF or 45%.

- Library space at the University of Georgia shows a target year 2007 need of 310,940 ASF or a 73% increase.

- Indoor Recreation and Physical Education space shows a projected need of 97,996 ASF at the target year level. This is a 40% increase from projected space.

- Athletics space does not lend itself to guideline analysis. For this category it was assumed that all existing space is needed and therefore carried forward as the target year guideline space.

- The Assembly and Exhibit space guideline application indicates a deficit of 42,497 ASF or 26% at the target year 2007.

- Student Union space shows a target year space need of 187,876 ASF or a 148% increase over projected student union space.

- Central Computer space indicates a need of 3,098 ASF or 10% at the target year.

- Physical Plant shows a surplus of 6% or 21,342 ASF at the target year.

- The Vehicle Storage and Parking category does not lend itself to guideline analysis. For this category it was assumed that all existing space is needed and therefore carried forward as the target year guideline space. Separate analysis is being done to determine needs for additional parking structures.

- Other Academic Department space shows a need for an increase of 13% or 78,037 ASF at the target year.

- The Other Administrative Department space category indicates a deficit of 45,972 ASF or 17% at the target year.

- Residence Life guideline analysis shows a deficit of 137% or 2,200,000 ASF. The target housing capacity, set to equal to the total number of freshman and sophomore students on campus, has driven the guideline calculation and the target year deficit.

The summary table by space type follows for the target year 2007.

TARGET YEAR 2007 SPACE TYPE	Projected Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)	Guideline Proj Gross Square Ft
TOTAL SPACE					
Classroom & Service	278,612	343,629	(65,017)	(23%)	515,444
Teaching Labs & Service	195,914	348,100	(152,186)	(78%)	556,960
Open Labs & Service	190,307	216,016	(25,709)	(14%)	345,625
Research Labs & Service	761,427	1,018,730	(257,303)	(34%)	1,731,841
Academic Offices & Service	944,264	1,177,953	(233,689)	(25%)	1,766,929
Administrative Offices & Service	331,680	482,519	(150,839)	(45%)	723,779
Library	425,050	735,990	(310,940)	(73%)	1,030,386
Physical Education & Recreation	243,944	341,940	(97,996)	(40%)	410,329
Athletics	258,082	258,082	0	0%	309,698
Assembly & Exhibit	164,953	207,450	(42,497)	(26%)	290,430
Student Union	127,124	315,000	(187,876)	(148%)	441,000
Central Computer	31,402	34,500	(3,098)	(10%)	51,750
Physical Plant	344,517	323,175	21,342	6%	387,810
Vehicle Storage/Parking*	740,024	740,024	0	0%	888,029
Other Academic Department Space	592,498	670,535	(78,037)	(13%)	1,005,803
Other Admn Department Space	267,082	313,054	(45,972)	(17%)	469,582
Residence Life**	1,603,233	3,803,233	(2,200,000)	(137%)	5,704,850
TOTAL SPACE SUBTOTAL	**7,500,113**	**11,329,930**	**(3,829,817)**	**(51%)**	**16,630,242**

*Separate analysis is being done to determine needs for additional parking structures.

**Space includes residential facilities for President's House (12,048 ASF) and Cont Ed Ctr (47,757).

2.4 Findings by Major Academic and Administrative Units

The following section of this report provides summaries of key findings by major unit. The Vice President for Academic Affairs and the Vice President for Research have been grouped with academic units since these units have significant amounts of research space that report directly to them.

Classrooms which are centrally scheduled are shown with the Vice President for Academic Affairs. Some classrooms are scheduled by the various units and are shown with the space for the particular unit. Due to the bulk of classroom space being centrally scheduled rather than assigned through the various units, the Space Needs Analysis Summary Table for the Vice President for Academic Affairs indicates a large classroom surplus and many academic units show deficits for classroom space. Totals without classroom space have been included at the bottom of the unit tables so the needs for laboratory, office, and other space can be seen without distortion from the classroom "deficits." The classroom "deficits" are helpful when doing space planning for individual units, since they show each unit's need for access to classroom space. In some instances courses may have been taught in rooms, such as meeting rooms or conference rooms, not designated as classrooms. As a result some units may indicate a greater classroom space deficit than is actually needed.

2.4.1 Academic Units Base Year and Target Year 2002

The guideline application for academic units shows a deficit of 313,791 ASF or 11% at the existing enrollment. At the target year 2002 enrollment a 21% need for additional space is shown; this is 621,692 ASF. The difference in the amount of existing space for classrooms and service from the base year to the target year is due to renovations of space which were occurring in the base year in the College of Business and School of Social Work. The Academic Space Needs Summary Tables include the Law Library as it reports directly to an academic unit. Following the academic space needs summaries below are Academic Space Needs Analysis Summary Tables for each major Academic unit.

College of Agriculture and Environmental Sciences

Guideline application without classrooms shows this unit having a deficit at the base year of 14,859 ASF or 3%. At the target year the total without classrooms indicates a deficit of 63,130 ASF or 11%.

College of Arts and Sciences

At the base year guideline application without classrooms shows this unit having a surplus of 3% or 31,554 ASF. At the target year 2002 the total without classrooms projects a deficit of 63,161 ASF or 7%. The category of space having the largest deficit in the College of Arts and Sciences at the target year is Teaching Laboratory space.

College of Business

The College of Business guideline application without classrooms shows a deficit at the base year of 2,087 ASF or 3%. At the target year the total without classrooms shows a deficit of 13% or 7,842 ASF.

Developmental Studies

Guideline application at the base year without classrooms indicates Developmental Studies has a deficit of 9,503 ASF or 75%. The total without classrooms at the target year projects a deficit of 11,721 ASF or 92%.

College of Education

Guideline application without classrooms for the College of Education calculates a deficit at the base year of 16% or 27,041 ASF. The total without classrooms at the target year shows a deficit of 47,500 ASF or 28%. The category of space having the largest deficit in the College of Education at the target year is Research Laboratory space.

School of Environmental Design

At the base year guideline application without classrooms shows this unit having a deficit of 14% or 4,894 ASF. At the target year the total without classrooms indicates a deficit of 8,194 ASF or 24%.

College of Family and Consumer Sciences

At the base year guideline application without classrooms for the College of Family and Consumer Sciences indicates a deficit of 23,423 ASF or 31%. At the target year the total without classrooms projects a deficit of 43% or 32,584 ASF.

School of Forest Resources

The School of Forest Resources guideline application without classrooms shows a deficit at the base year of 36,845 ASF or 60%. The total without classrooms at the target year projects a deficit of 45,796 ASF or 74%. At the target year Research Laboratory space is the category which shows the largest deficit in the School of Forest Resources.

College of Journalism and Mass Communication

Guideline application without classrooms shows this unit having a deficit at the base year of 20% or 7,830 ASF. At the target year the total without classrooms shows a deficit of 11,971 ASF or 31%.

School of Law

At the base year guideline application without classrooms shows this unit having a deficit of 18% or 15,850 ASF. The total without classrooms at the target year indicates a deficit of 24,085 ASF or 27%. The Academic Space Needs Summary Tables for the School of Law include the Law Library, as it reports directly to the School. Guideline space for the Law Library was calculated as a proportion of the total campus library space needs.

Military Science

Guideline application without classrooms shows this unit having a surplus at the base year of 4,679 ASF or 34%. At the target year the total without classrooms projects a surplus of 30% or 4,108 ASF.

College of Pharmacy

The College of Pharmacy guideline application without classrooms shows a deficit at the base year of 25,000 ASF or 40%. The total without classrooms at the target year indicates a deficit of 53% or 33,088 ASF. The category of space having the largest deficit in the College of Pharmacy at the target year is Teaching Laboratory space.

School of Social Work

At the base year guideline application without classrooms for this unit indicates a deficit of 3% or 571 ASF. The total without classrooms at the target year shows a deficit of 2,483 ASF or 13%.

College of Veterinary Medicine

Guideline application without classrooms indicates this unit having a deficit at the base year of 104,572 ASF or 34%. At the target year the total without classrooms projects a deficit of

144,163 ASF or 47%. The category of space having the largest deficit in the College of Veterinary Medicine at the target year is Research Laboratory space.

Vice President for Academic Affairs

At the base year guideline application without classrooms shows this unit having a deficit of 17% or 17,509 ASF. At the target year the total without classrooms indicates a deficit of 27,679 ASF or 27%. The centrally scheduled classrooms are shown with this unit while almost all classroom need guidelines are generated within the schools and colleges resulting in a "surplus" finding for this unit when classrooms are included.

Vice President for Research

Guideline application without classrooms for this unit indicates a deficit at the base year of 44,550 ASF or 35%. The total without classrooms at the target year shows a deficit of 47% or 60,562 ASF.

UNIVERSITY OF GEORGIA - ATHENS
ACADEMIC SPACE NEEDS ANALYSIS SUMMARY TABLE

BASE YEAR 1996 SPACE TYPE	Permanent Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ACADEMIC SPACE				
Classroom & Service	280,037	295,527	(15,490)	(6%)
Teaching Labs & Service	195,914	299,843	(103,929)	(53%)
Open Labs & Service	187,351	193,231	(5,880)	(3%)
Research Labs & Service	749,335	837,997	(88,662)	(12%)
Academic Offices & Service	944,264	1,013,433	(69,169)	(7%)
Other Academic Department Space	592,498	609,024	(16,526)	(3%)
Law Library	36,879	51,014	(14,135)	(38%)
ACADEMIC SPACE TOTAL	**2,986,278**	**3,300,069**	**(313,791)**	**(11%)**

TARGET YEAR 2002 SPACE TYPE	Projected Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ACADEMIC SPACE				
Classroom & Service	278,612	320,453	(41,841)	(15%)
Teaching Labs & Service	195,914	323,139	(127,225)	(65%)
Open Labs & Service	187,351	212,903	(25,552)	(14%)
Research Labs & Service	749,335	920,677	(171,342)	(23%)
Academic Offices & Service	944,264	1,101,073	(156,809)	(17%)
Other Academic Department Space	592,498	670,535	(78,037)	(13%)
Law Library	36,879	57,765	(20,886)	(57%)
ACADEMIC SPACE TOTAL	**2,984,853**	**3,606,545**	**(621,692)**	**(21%)**

Note: The difference in classrooms and service space between base and target years is due to renovations.

UNIVERSITY OF GEORGIA - ATHENS
COLLEGE OF AGRICULTURE AND ENVIRONMENTAL SCIENCES

BASE YEAR 1996 SPACE TYPE	Permanent Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ACADEMIC SPACE				
Classroom & Service	18,123	8,197	9,926	55%
Teaching Labs & Service	17,674	29,597	(11,923)	(67%)
Open Labs & Service	19,463	19,463	0	0%
Research Labs & Service	210,504	183,169	27,335	13%
Academic Offices & Service	115,507	135,090	(19,583)	(17%)
Other Academic Dept Space	204,474	215,162	(10,688)	(5%)
ACADEMIC SPACE TOTAL	**585,745**	**590,677**	**(4,932)**	**(1%)**
Total Without Classrooms	***567,622***	***582,481***	***(14,859)***	***(3%)***

TARGET YEAR 2002 SPACE TYPE	Projected Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ACADEMIC SPACE				
Classroom & Service	18,123	8,894	9,229	51%
Teaching Labs & Service	17,674	31,600	(13,926)	(79%)
Open Labs & Service	19,463	21,507	(2,044)	(11%)
Research Labs & Service	210,504	197,644	12,860	6%
Academic Offices & Service	115,507	143,370	(27,863)	(24%)
Other Academic Dept Space	204,474	236,632	(32,158)	(16%)
ACADEMIC SPACE TOTAL	**585,745**	**639,646**	**(53,901)**	**(9%)**
Total Without Classrooms	***567,622***	***630,752***	***(63,130)***	***(11%)***

UNIVERSITY OF GEORGIA - ATHENS
COLLEGE OF ARTS AND SCIENCES

BASE YEAR 1996 SPACE TYPE	Permanent Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ACADEMIC SPACE				
Classroom & Service	115,960	167,155	(51,195)	(44%)
Teaching Labs & Service	102,661	160,704	(58,043)	(57%)
Open Labs & Service	86,079	91,959	(5,880)	(7%)
Research Labs & Service	338,415	302,280	36,135	11%
Academic Offices & Service	353,439	294,097	59,342	17%
Other Academic Dept Space	78,273	78,273	0	0%
ACADEMIC SPACE TOTAL	**1,074,827**	**1,094,468**	**(19,641)**	**(2%)**
Total Without Classrooms	***958,867***	***927,313***	***31,554***	***3%***

TARGET YEAR 2002 SPACE TYPE	Projected Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ACADEMIC SPACE				
Classroom & Service	115,960	183,453	(67,493)	(58%)
Teaching Labs & Service	102,661	174,542	(71,881)	(70%)
Open Labs & Service	86,079	100,997	(14,918)	(17%)
Research Labs & Service	338,415	336,290	2,125	1%
Academic Offices & Service	353,439	323,707	29,732	8%
Other Academic Dept Space	78,273	86,492	(8,219)	(11%)
ACADEMIC SPACE TOTAL	**1,074,827**	**1,205,481**	**(130,654)**	**(12%)**
Total Without Classrooms	***958,867***	***1,022,028***	***(63,161)***	***(7%)***

UNIVERSITY OF GEORGIA - ATHENS

COLLEGE OF BUSINESS

BASE YEAR 1996 **SPACE TYPE**	**Permanent Assigned Square Ft**	**Guideline Assigned Square Ft**	**Surplus/ (Deficit)**	**Percent Surplus/ (Deficit)**
ACADEMIC SPACE				
Classroom & Service	15,679	38,077	(22,398)	(143%)
Teaching Labs & Service	3,436	6,273	(2,837)	(83%)
Open Labs & Service	858	858	0	0%
Research Labs & Service	2,638	4,280	(1,642)	(62%)
Academic Offices & Service	47,272	44,880	2,392	5%
Other Academic Dept Space	5,538	5,538	0	0%
ACADEMIC SPACE TOTAL	**75,421**	**99,906**	**(24,485)**	**(32%)**
Total Without Classrooms	***59,742***	***61,829***	***(2,087)***	***(3%)***

TARGET YEAR 2002 **SPACE TYPE**	**Projected Assigned Square Ft**	**Guideline Assigned Square Ft**	**Surplus/ (Deficit)**	**Percent Surplus/ (Deficit)**
ACADEMIC SPACE				
Classroom & Service	13,607	41,659	(28,052)	(206%)
Teaching Labs & Service	3,436	6,847	(3,411)	(99%)
Open Labs & Service	858	948	(90)	(11%)
Research Labs & Service	2,638	4,760	(2,122)	(80%)
Academic Offices & Service	47,272	48,910	(1,638)	(3%)
Other Academic Dept Space	5,538	6,119	(581)	(11%)
ACADEMIC SPACE TOTAL	**73,349**	**109,243**	**(35,894)**	**(49%)**
Total Without Classrooms	***59,742***	***67,584***	***(7,842)***	***(13%)***

UNIVERSITY OF GEORGIA - ATHENS

DEVELOPMENTAL STUDIES

BASE YEAR 1996 SPACE TYPE	Permanent Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ACADEMIC SPACE				
Classroom & Service	376	2,227	(1,851)	(492%)
Teaching Labs & Service	0	0	0	N/A
Open Labs & Service	4,975	4,975	0	0%
Research Labs & Service	0	420	(420)	N/A
Academic Offices & Service	7,407	16,490	(9,083)	(123%)
Other Academic Dept Space	335	335	0	0%
ACADEMIC SPACE TOTAL	**13,093**	**24,447**	**(11,354)**	**(87%)**
Total Without Classrooms	***12,717***	***22,220***	***(9,503)***	***(75%)***

TARGET YEAR 2002 SPACE TYPE	Projected Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ACADEMIC SPACE				
Classroom & Service	376	2,397	(2,021)	(537%)
Teaching Labs & Service	0	0	0	N/A
Open Labs & Service	4,975	5,497	(522)	(11%)
Research Labs & Service	0	460	(460)	N/A
Academic Offices & Service	7,407	18,110	(10,703)	(144%)
Other Academic Dept Space	335	370	(35)	(11%)
ACADEMIC SPACE TOTAL	**13,093**	**26,834**	**(13,741)**	**(105%)**
Total Without Classrooms	***12,717***	***24,438***	***(11,721)***	***(92%)***

UNIVERSITY OF GEORGIA - ATHENS

COLLEGE OF EDUCATION

BASE YEAR 1996 **SPACE TYPE**	**Permanent Assigned Square Ft**	**Guideline Assigned Square Ft**	**Surplus/ (Deficit)**	**Percent Surplus/ (Deficit)**
ACADEMIC SPACE				
Classroom & Service	24,160	24,353	(193)	(1%)
Teaching Labs & Service	13,083	22,006	(8,923)	(68%)
Open Labs & Service	19,212	19,212	0	0%
Research Labs & Service	14,897	29,880	(14,983)	(101%)
Academic Offices & Service	113,656	116,791	(3,135)	(3%)
Other Academic Dept Space	11,592	11,592	0	0%
ACADEMIC SPACE TOTAL	**196,600**	**223,833**	**(27,233)**	**(14%)**
Total Without Classrooms	***172,440***	***199,481***	***(27,041)***	***(16%)***

TARGET YEAR 2002 **SPACE TYPE**	**Projected Assigned Square Ft**	**Guideline Assigned Square Ft**	**Surplus/ (Deficit)**	**Percent Surplus/ (Deficit)**
ACADEMIC SPACE				
Classroom & Service	24,160	26,209	(2,049)	(8%)
Teaching Labs & Service	13,083	23,641	(10,558)	(81%)
Open Labs & Service	19,212	21,229	(2,017)	(11%)
Research Labs & Service	14,897	33,120	(18,223)	(122%)
Academic Offices & Service	113,656	129,141	(15,485)	(14%)
Other Academic Dept Space	11,592	12,809	(1,217)	(11%)
ACADEMIC SPACE TOTAL	**196,600**	**246,149**	**(49,549)**	**(25%)**
Total Without Classrooms	***172,440***	***219,940***	***(47,500)***	***(28%)***

UNIVERSITY OF GEORGIA - ATHENS
SCHOOL OF ENVIRONMENTAL DESIGN

BASE YEAR 1996 SPACE TYPE	Permanent Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ACADEMIC SPACE				
Classroom & Service	463	1,606	(1,143)	(247%)
Teaching Labs & Service	18,014	17,265	749	4%
Open Labs & Service	4,706	4,706	0	0%
Research Labs & Service	0	4,200	(4,200)	N/A
Academic Offices & Service	8,449	9,892	(1,443)	(17%)
Other Academic Dept Space	2,811	2,811	0	0%
ACADEMIC SPACE TOTAL	**34,443**	**40,480**	**(6,037)**	**(18%)**
Total Without Classrooms	***33,980***	***38,874***	***(4,894)***	***(14%)***

TARGET YEAR 2002 SPACE TYPE	Projected Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ACADEMIC SPACE				
Classroom & Service	463	1,738	(1,275)	(275%)
Teaching Labs & Service	18,014	18,656	(642)	(4%)
Open Labs & Service	4,706	5,200	(494)	(11%)
Research Labs & Service	0	4,560	(4,560)	N/A
Academic Offices & Service	8,449	10,652	(2,203)	(26%)
Other Academic Dept Space	2,811	3,106	(295)	(11%)
ACADEMIC SPACE TOTAL	**34,443**	**43,913**	**(9,470)**	**(27%)**
Total Without Classrooms	***33,980***	***42,174***	***(8,194)***	***(24%)***

UNIVERSITY OF GEORGIA - ATHENS

COLLEGE OF FAMILY & CONSUMER SCIENCE

BASE YEAR 1996 SPACE TYPE	Permanent Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ACADEMIC SPACE				
Classroom & Service	7,342	7,567	(225)	(3%)
Teaching Labs & Service	5,278	3,440	1,838	35%
Open Labs & Service	13,218	13,218	0	0%
Research Labs & Service	16,951	24,400	(7,449)	(44%)
Academic Offices & Service	29,901	47,713	(17,812)	(60%)
Other Academic Dept Space	11,269	11,269	0	0%
ACADEMIC SPACE TOTAL	**83,959**	**107,607**	**(23,648)**	**(28%)**
Total Without Classrooms	***76,617***	***100,040***	***(23,423)***	***(31%)***

TARGET YEAR 2002 SPACE TYPE	Projected Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ACADEMIC SPACE				
Classroom & Service	7,342	8,223	(881)	(12%)
Teaching Labs & Service	5,278	3,700	1,578	30%
Open Labs & Service	13,218	14,606	(1,388)	(11%)
Research Labs & Service	16,951	26,800	(9,849)	(58%)
Academic Offices & Service	29,901	51,643	(21,742)	(73%)
Other Academic Dept Space	11,269	12,452	(1,183)	(11%)
ACADEMIC SPACE TOTAL	**83,959**	**117,424**	**(33,465)**	**(40%)**
Total Without Classrooms	***76,617***	***109,201***	***(32,584)***	***(43%)***

UNIVERSITY OF GEORGIA - ATHENS
SCHOOL OF FOREST RESOURCES

BASE YEAR 1996 SPACE TYPE	Permanent Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ACADEMIC SPACE				
Classroom & Service	3,134	2,111	1,023	33%
Teaching Labs & Service	1,622	10,739	(9,117)	(562%)
Open Labs & Service	2,221	2,221	0	0%
Research Labs & Service	20,791	46,500	(25,709)	(124%)
Academic Offices & Service	30,311	32,330	(2,019)	(7%)
Other Academic Dept Space	6,804	6,804	0	0%
ACADEMIC SPACE TOTAL	**64,883**	**100,705**	**(35,822)**	**(55%)**
Total Without Classrooms	***61,749***	***98,594***	***(36,845)***	***(60%)***

TARGET YEAR 2002 SPACE TYPE	Projected Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ACADEMIC SPACE				
Classroom & Service	3,134	2,289	845	27%
Teaching Labs & Service	1,622	11,583	(9,961)	(614%)
Open Labs & Service	2,221	2,454	(233)	(11%)
Research Labs & Service	20,791	51,300	(30,509)	(147%)
Academic Offices & Service	30,311	35,390	(5,079)	(17%)
Other Academic Dept Space	6,804	6,817	(13)	(0%)
ACADEMIC SPACE TOTAL	**64,883**	**109,834**	**(44,951)**	**(69%)**
Total Without Classrooms	***61,749***	***107,545***	***(45,796)***	***(74%)***

UNIVERSITY OF GEORGIA - ATHENS

COLLEGE OF JOURNALISM AND MASS COMMUNICATION

BASE YEAR 1996 SPACE TYPE	Permanent Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ACADEMIC SPACE				
Classroom & Service	736	4,999	(4,263)	(579%)
Teaching Labs & Service	7,135	8,389	(1,254)	(18%)
Open Labs & Service	11,823	11,823	0	0%
Research Labs & Service	774	4,500	(3,726)	(481%)
Academic Offices & Service	13,390	16,240	(2,850)	(21%)
Other Academic Dept Space	5,754	5,754	0	0%
ACADEMIC SPACE TOTAL	**39,612**	**51,705**	**(12,093)**	**(31%)**
Total Without Classrooms	***38,876***	***46,706***	***(7,830)***	***(20%)***

TARGET YEAR 2002 SPACE TYPE	Projected Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ACADEMIC SPACE				
Classroom & Service	736	5,433	(4,697)	(638%)
Teaching Labs & Service	7,135	8,954	(1,819)	(26%)
Open Labs & Service	11,823	13,064	(1,241)	(11%)
Research Labs & Service	774	4,900	(4,126)	(533%)
Academic Offices & Service	13,390	17,570	(4,180)	(31%)
Other Academic Dept Space	5,754	6,358	(604)	(11%)
ACADEMIC SPACE TOTAL	**39,612**	**56,280**	**(16,668)**	**(42%)**
Total Without Classrooms	***38,876***	***50,847***	***(11,971)***	***(31%)***

UNIVERSITY OF GEORGIA - ATHENS

SCHOOL OF LAW

BASE YEAR 1996 SPACE TYPE	Permanent Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ACADEMIC SPACE				
Classroom & Service	8,839	6,226	2,613	30%
Teaching Labs & Service	0	0	0	N/A
Open Labs & Service	2,505	2,505	0	0%
Research Labs & Service	0	4,080	(4,080)	N/A
Academic Offices & Service	36,796	34,432	2,364	6%
Other Academic Dept Space	11,615	11,615	0	0%
Law Library	36,879	51,014	(14,135)	(38%)
ACADEMIC SPACE TOTAL	**96,634**	**109,871**	**(13,237)**	**(14%)**
Total Without Classrooms	***87,795***	***103,645***	***(15,850)***	***(18%)***

TARGET YEAR 2002 SPACE TYPE	Projected Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ACADEMIC SPACE				
Classroom & Service	8,839	6,226	2,613	30%
Teaching Labs & Service	0	0	0	N/A
Open Labs & Service	2,505	2,768	(263)	(11%)
Research Labs & Service	0	4,080	(4,080)	N/A
Academic Offices & Service	36,796	34,432	2,364	6%
Other Academic Dept Space	11,615	12,835	(1,220)	(11%)
Law Library	36,879	57,765	(20,886)	(57%)
ACADEMIC SPACE TOTAL	**96,634**	**118,105**	**(21,471)**	**(22%)**
Total Without Classrooms	***87,795***	***111,880***	***(24,085)***	***(27%)***

UNIVERSITY OF GEORGIA - ATHENS

MILITARY SCIENCE

BASE YEAR 1996 SPACE TYPE	Permanent Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ACADEMIC SPACE				
Classroom & Service	2,892	632	2,260	78%
Teaching Labs & Service	1,218	0	1,218	100%
Open Labs & Service	0	0	0	N/A
Research Labs & Service	0	0	0	N/A
Academic Offices & Service	7,110	3,649	3,461	49%
Other Academic Dept Space	5,439	5,439	0	0%
ACADEMIC SPACE TOTAL	**16,659**	**9,719**	**6,940**	**42%**
Total Without Classrooms	***13,767***	***9,088***	***4,679***	***34%***

TARGET YEAR 2002 SPACE TYPE	Projected Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ACADEMIC SPACE				
Classroom & Service	2,892	663	2,229	77%
Teaching Labs & Service	1,218	0	1,218	100%
Open Labs & Service	0	0	0	N/A
Research Labs & Service	0	0	0	N/A
Academic Offices & Service	7,110	3,649	3,461	49%
Other Academic Dept Space	5,439	6,010	(571)	(11%)
ACADEMIC SPACE TOTAL	**16,659**	**10,322**	**6,337**	**38%**
Total Without Classrooms	***13,767***	***9,659***	***4,108***	***30%***

UNIVERSITY OF GEORGIA - ATHENS

COLLEGE OF PHARMACY

BASE YEAR 1996 SPACE TYPE	Permanent Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ACADEMIC SPACE				
Classroom & Service	2,431	6,543	(4,112)	(169%)
Teaching Labs & Service	1,874	22,260	(20,386)	(1088%)
Open Labs & Service	8,696	8,696	0	0%
Research Labs & Service	23,648	25,500	(1,852)	(8%)
Academic Offices & Service	17,874	20,636	(2,762)	(15%)
Other Academic Dept Space	10,564	10,564	0	0%
ACADEMIC SPACE TOTAL	**65,087**	**94,199**	**(29,112)**	**(45%)**
Total Without Classrooms	***62,656***	***87,656***	***(25,000)***	***(40%)***

TARGET YEAR 2002 SPACE TYPE	Projected Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ACADEMIC SPACE				
Classroom & Service	2,431	7,166	(4,735)	(195%)
Teaching Labs & Service	1,874	24,446	(22,572)	(1204%)
Open Labs & Service	8,696	9,609	(913)	(11%)
Research Labs & Service	23,648	27,750	(4,102)	(17%)
Academic Offices & Service	17,874	22,266	(4,392)	(25%)
Other Academic Dept Space	10,564	11,673	(1,109)	(11%)
ACADEMIC SPACE TOTAL	**65,087**	**102,910**	**(37,823)**	**(58%)**
Total Without Classrooms	***62,656***	***95,744***	***(33,088)***	***(53%)***

UNIVERSITY OF GEORGIA - ATHENS

SCHOOL OF SOCIAL WORK

BASE YEAR 1996 SPACE TYPE	Permanent Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ACADEMIC SPACE				
Classroom & Service	2,464	2,485	(21)	(1%)
Teaching Labs & Service	0	0	0	N/A
Open Labs & Service	1,197	1,197	0	0%
Research Labs & Service	0	5,200	(5,200)	N/A
Academic Offices & Service	17,005	12,376	4,629	27%
Other Academic Dept Space	1,392	1,392	0	0%
ACADEMIC SPACE TOTAL	**22,058**	**22,650**	**(592)**	**(3%)**
Total Without Classrooms	***19,594***	***20,165***	***(571)***	***(3%)***

TARGET YEAR 2002 SPACE TYPE	Projected Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ACADEMIC SPACE				
Classroom & Service	3,111	2,688	423	14%
Teaching Labs & Service	0	0	0	N/A
Open Labs & Service	1,197	1,323	(126)	(11%)
Research Labs & Service	0	5,700	(5,700)	N/A
Academic Offices & Service	17,005	13,516	3,489	21%
Other Academic Dept Space	1,392	1,538	(146)	(11%)
ACADEMIC SPACE TOTAL	**22,705**	**24,765**	**(2,060)**	**(9%)**
Total Without Classrooms	***19,594***	***22,077***	***(2,483)***	***(13%)***

UNIVERSITY OF GEORGIA - ATHENS

COLLEGE OF VETERINARY MEDICINE

BASE YEAR 1996 SPACE TYPE	Permanent Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ACADEMIC SPACE				
Classroom & Service	3,913	22,428	(18,515)	(473%)
Teaching Labs & Service	19,794	19,170	624	3%
Open Labs & Service	9,357	9,357	0	0%
Research Labs & Service	55,123	117,750	(62,627)	(114%)
Academic Offices & Service	40,319	82,888	(42,569)	(106%)
Other Academic Dept Space	184,799	184,799	0	0%
ACADEMIC SPACE TOTAL	**313,305**	**436,392**	**(123,087)**	**(39%)**
Total Without Classrooms	***309,392***	***413,964***	***(104,572)***	***(34%)***

TARGET YEAR 2002 SPACE TYPE	Projected Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ACADEMIC SPACE				
Classroom & Service	3,913	22,428	(18,515)	(473%)
Teaching Labs & Service	19,794	19,170	624	3%
Open Labs & Service	9,357	10,339	(982)	(11%)
Research Labs & Service	55,123	129,375	(74,252)	(135%)
Academic Offices & Service	40,319	90,468	(50,149)	(124%)
Other Academic Dept Space	184,799	204,203	(19,404)	(11%)
ACADEMIC SPACE TOTAL	**313,305**	**475,984**	**(162,679)**	**(52%)**
Total Without Classrooms	***309,392***	***453,555***	***(144,163)***	***(47%)***

UNIVERSITY OF GEORGIA - ATHENS

VICE PRESIDENT FOR ACADEMIC AFFAIRS

BASE YEAR 1996 SPACE TYPE	Permanent Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ADMINISTRATIVE SPACE				
Classroom & Service	73,525	922	72,603	99%
Teaching Labs & Service	4,125	0	4,125	100%
Open Labs & Service	2,179	2,179	0	0%
Research Labs & Service	963	963	0	0%
Administrative Offices & Service	65,890	82,340	(16,450)	(25%)
Other Administrative Dept Space	29,538	34,722	(5,184)	(18%)
ACADEMIC SPACE TOTAL	**176,220**	**121,126**	**55,094**	**31%**
Total Without Classrooms	***102,695***	***120,204***	***(17,509)***	***(17%)***

TARGET YEAR 2002 SPACE TYPE	Projected Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ADMINISTRATIVE SPACE				
Classroom & Service	73,525	987	72,538	99%
Teaching Labs & Service	4,125	0	4,125	100%
Open Labs & Service	2,179	2,408	(229)	(11%)
Research Labs & Service	963	963	0	0%
Administrative Offices & Service	65,890	89,180	(23,290)	(35%)
Other Administrative Dept Space	29,538	37,823	(8,285)	(28%)
ACADEMIC SPACE TOTAL	**176,220**	**131,362**	**44,858**	**25%**
Total Without Classrooms	***102,695***	***130,374***	***(27,679)***	***(27%)***

Note: All centrally scheduled classrooms are shown with this unit. The guideline space is primarily generated within Colleges and Schools and is shown with those units.

UNIVERSITY OF GEORGIA - ATHENS

VICE PRESIDENT FOR RESEARCH

BASE YEAR 1996	**Permanent**	**Guideline**		**Percent**
	Assigned	**Assigned**	**Surplus/**	**Surplus/**
SPACE TYPE	**Square Ft**	**Square Ft**	**(Deficit)**	**(Deficit)**
ACADEMIC SPACE				
Classroom & Service	0	0	0	N/A
Teaching Labs & Service	0	0	0	N/A
Open Labs & Service	862	862	0	0%
Research Labs & Service	64,631	84,875	(20,244)	(31%)
Academic Offices & Service	39,938	63,590	(23,652)	(59%)
Other Academic Dept Space	22,301	22,955	(654)	(3%)
ACADEMIC SPACE TOTAL	**127,732**	**172,282**	**(44,550)**	**(35%)**
Total Without Classrooms	***127,732***	***172,282***	***(44,550)***	***(35%)***

TARGET YEAR 2002	**Projected**	**Guideline**		**Percent**
	Assigned	**Assigned**	**Surplus/**	**Surplus/**
SPACE TYPE	**Square Ft**	**Square Ft**	**(Deficit)**	**(Deficit)**
ACADEMIC SPACE				
Classroom & Service	0	0	0	N/A
Teaching Labs & Service	0	0	0	N/A
Open Labs & Service	862	953	(91)	(11%)
Research Labs & Service	64,631	92,975	(28,344)	(44%)
Academic Offices & Service	39,938	69,070	(29,132)	(73%)
Other Academic Dept Space	22,301	25,297	(2,996)	(13%)
ACADEMIC SPACE TOTAL	**127,732**	**188,294**	**(60,562)**	**(47%)**
Total Without Classrooms	***127,732***	***188,294***	***(60,562)***	***(47%)***

2.4.2 Administrative Units Base Year and Target Year 2002

Administrative units show a deficit of 159,437 or 26% at the base year. At the target year need for additional 198,459 ASF or 32% is shown. Following the summaries are Administrative Space Needs Analysis Summary Tables for each major Administrative unit.

President

At the base year guideline application indicates the unit with the President has a deficit of 2,235 ASF or 4%. The deficit at the target year 2002 is 5,017 ASF or 10%.

Vice President for Business and Finance

Guideline application at the base year shows this unit has a deficit of 11% or 22,367 ASF. At the target year there is a deficit of 35,028 ASF or 17%.

Vice President for Development and University Relations

Guideline application for the Vice President for Development and University Relations indicates a deficit at the base year of 13,821 ASF or 96%. At the target year the deficit increases to 15,225 ASF or 106%.

Vice President for Legal Affairs

At the base year guideline application indicates the unit has a deficit of 1,570 ASF or 105%. The deficit at the target year is 138% or 2,060 ASF. (This unit existed and was included in the campus organization at the time the analysis was conducted.)

Vice President for Service

Guideline application shows a deficit at the base year of 33% or 50,969 ASF. At the target year there is a deficit of 60,960 ASF or 39%.

Vice President for Student Affairs

Guideline application at the base year shows this unit has a deficit of 68,475 ASF or 36%. At the target year 2002 the deficit increases to 80,170 ASF or 43%.

UNIVERSITY OF GEORGIA - ATHENS

ADMINISTRATIVE SPACE NEEDS ANALYSIS SUMMARY TABLE

BASE YEAR 1996 SPACE TYPE	Permanent Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ADMINISTRATIVE SPACE				
Classroom & Service	0	0	0	N/A
Teaching Labs & Service	0	0	0	N/A
Open Labs & Service	2,956	2,956	0	0%
Research Labs & Service	12,092	30,993	(18,901)	(156%)
Administrative Offices & Service	331,680	440,399	(108,719)	(33%)
Other Administrative Department Space	267,082	298,899	(31,817)	(12%)
ADMINISTRATIVE SPACE SUBTOTAL	**613,810**	**773,247**	**(159,437)**	**(26%)**

TARGET YEAR 2002 SPACE TYPE	Projected Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ADMINISTRATIVE SPACE				
Classroom & Service	0	0	0	N/A
Teaching Labs & Service	0	0	0	N/A
Open Labs & Service	2,956	3,113	(157)	(5%)
Research Labs & Service	12,092	32,393	(20,301)	(168%)
Administrative Offices & Service	331,680	463,709	(132,029)	(40%)
Other Administrative Department Space	267,082	313,054	(45,972)	(17%)
ADMINISTRATIVE SPACE SUBTOTAL	**613,810**	**812,269**	**(198,459)**	**(32%)**

UNIVERSITY OF GEORGIA - ATHENS

PRESIDENT

BASE YEAR 1996 SPACE TYPE	Permanent Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ADMINISTRATIVE SPACE				
Classroom & Service	0	0	0	N/A
Teaching Labs & Service	0	0	0	N/A
Open Labs & Service	0	0	0	N/A
Research Labs & Service	0	0	0	N/A
Administrative Offices & Service	38,295	40,530	(2,235)	(6%)
Other Adminstrative Dept Space	12,484	12,484	0	0%
ADMINISTRATIVE SPACE SUBTOTAL	**50,779**	**53,014**	**(2,235)**	**(4%)**

TARGET YEAR 2002 SPACE TYPE	Projected Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ADMINISTRATIVE SPACE				
Classroom & Service	0	0	0	N/A
Teaching Labs & Service	0	0	0	N/A
Open Labs & Service	0	0	0	N/A
Research Labs & Service	0	0	0	N/A
Administrative Offices & Service	38,295	42,650	(4,355)	(11%)
Other Adminstrative Dept Space	12,484	13,146	(662)	(5%)
ADMINISTRATIVE SPACE SUBTOTAL	**50,779**	**55,796**	**(5,017)**	**(10%)**

UNIVERSITY OF GEORGIA - ATHENS

VICE PRESIDENT FOR BUSINESS AND FINANCE

BASE YEAR 1996 SPACE TYPE	Permanent Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ADMINISTRATIVE SPACE				
Classroom & Service	0	0	0	N/A
Teaching Labs & Service	0	0	0	N/A
Open Labs & Service	156	156	0	0%
Research Labs & Service	467	467	0	0%
Administrative Offices & Service	103,383	125,750	(22,367)	(22%)
Other Administrative Dept Space	99,105	99,105	0	0%
ADMINISTRATIVE SPACE SUBTOTAL	**203,111**	**225,478**	**(22,367)**	**(11%)**

TARGET YEAR 2002 SPACE TYPE	Projected Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ADMINISTRATIVE SPACE				
Classroom & Service	0	0	0	N/A
Teaching Labs & Service	0	0	0	N/A
Open Labs & Service	156	164	(8)	(5%)
Research Labs & Service	467	467	0	0%
Administrative Offices & Service	103,383	133,150	(29,767)	(29%)
Other Administrative Dept Space	99,105	104,358	(5,253)	(5%)
ADMINISTRATIVE SPACE SUBTOTAL	**203,111**	**238,139**	**(35,028)**	**(17%)**

UNIVERSITY OF GEORGIA - ATHENS

VICE PRESIDENT FOR DEVELOPMENT AND UNIV RELATIONS

BASE YEAR 1996 SPACE TYPE	Permanent Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ADMINISTRATIVE SPACE				
Classroom & Service	0	0	0	N/A
Teaching Labs & Service	0	0	0	N/A
Open Labs & Service	0	0	0	N/A
Research Labs & Service	0	0	0	N/A
Administrative Offices & Service	11,253	24,950	(13,697)	(122%)
Other Administrative Dept Space	3,099	3,223	(124)	(4%)
ADMINISTRATIVE SPACE SUBTOTAL	**14,352**	**28,173**	**(13,821)**	**(96%)**

TARGET YEAR 2002 SPACE TYPE	Projected Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ADMINISTRATIVE SPACE				
Classroom & Service	0	0	0	N/A
Teaching Labs & Service	0	0	0	N/A
Open Labs & Service	0	0	0	N/A
Research Labs & Service	0	0	0	N/A
Administrative Offices & Service	11,253	26,190	(14,937)	(133%)
Other Administrative Dept Space	3,099	3,387	(288)	(9%)
ADMINISTRATIVE SPACE SUBTOTAL	**14,352**	**29,577**	**(15,225)**	**(106%)**

UNIVERSITY OF GEORGIA - ATHENS

VICE PRESIDENT FOR LEGAL AFFAIRS

BASE YEAR 1996 SPACE TYPE	Permanent Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ADMINISTRATIVE SPACE				
Classroom & Service	0	0	0	N/A
Teaching Labs & Service	0	0	0	N/A
Open Labs & Service	0	0	0	N/A
Research Labs & Service	0	0	0	N/A
Administrative Offices & Service	1,490	3,060	(1,570)	(105%)
Other Administrative Dept Space	0	0	0	N/A
ADMINISTRATIVE SPACE SUBTOTAL	**1,490**	**3,060**	**(1,570)**	**(105%)**

TARGET YEAR 2002 SPACE TYPE	Projected Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ADMINISTRATIVE SPACE				
Classroom & Service	0	0	0	N/A
Teaching Labs & Service	0	0	0	N/A
Open Labs & Service	0	0	0	N/A
Research Labs & Service	0	0	0	N/A
Administrative Offices & Service	1,490	3,550	(2,060)	(138%)
Other Administrative Dept Space	0	0	0	N/A
ADMINISTRATIVE SPACE SUBTOTAL	**1,490**	**3,550**	**(2,060)**	**(138%)**

UNIVERSITY OF GEORGIA - ATHENS

VICE PRESIDENT FOR SERVICES

BASE YEAR 1996 SPACE TYPE	Permanent Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ADMINISTRATIVE SPACE				
Classroom & Service	0	0	0	N/A
Teaching Labs & Service	0	0	0	N/A
Open Labs & Service	279	279	0	0%
Research Labs & Service	7,834	27,650	(19,816)	(253%)
Administrative Offices & Service	84,446	115,599	(31,153)	(37%)
Other Administrative Dept Space	63,128	63,128	0	0%
ADMINISTRATIVE SPACE SUBTOTAL	**155,687**	**206,656**	**(50,969)**	**(33%)**

TARGET YEAR 2002 SPACE TYPE	Projected Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ADMINISTRATIVE SPACE				
Classroom & Service	0	0	0	N/A
Teaching Labs & Service	0	0	0	N/A
Open Labs & Service	279	294	(15)	(5%)
Research Labs & Service	7,834	29,050	(21,216)	(271%)
Administrative Offices & Service	84,446	120,829	(36,383)	(43%)
Other Administrative Dept Space	63,128	66,474	(3,346)	(5%)
ADMINISTRATIVE SPACE SUBTOTAL	**155,687**	**216,647**	**(60,960)**	**(39%)**

UNIVERSITY OF GEORGIA - ATHENS

VICE PRESIDENT FOR STUDENT AFFAIRS

BASE YEAR 1996 SPACE TYPE	Permanent Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ADMINISTRATIVE SPACE				
Classroom & Service	0	0	0	N/A
Teaching Labs & Service	0	0	0	N/A
Open Labs & Service	2,521	2,521	0	0%
Research Labs & Service	3,791	2,876	915	24%
Administrative Offices & Service	92,813	130,510	(37,697)	(41%)
Other Administrative Dept Space	89,266	120,959	(31,693)	(36%)
ADMINISTRATIVE SPACE SUBTOTAL	**188,391**	**256,866**	**(68,475)**	**(36%)**

TARGET YEAR 2002 SPACE TYPE	Projected Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ADMINISTRATIVE SPACE				
Classroom & Service	0	0	0	N/A
Teaching Labs & Service	0	0	0	N/A
Open Labs & Service	2,521	2,655	(134)	(5%)
Research Labs & Service	3,791	2,876	915	24%
Administrative Offices & Service	92,813	137,340	(44,527)	(48%)
Other Administrative Dept Space	89,266	125,690	(36,424)	(41%)
ADMINISTRATIVE SPACE SUBTOTAL	**188,391**	**268,561**	**(80,170)**	**(43%)**

2.4.3 Academic Units Target Year 2007

The guideline application for academic units shows a deficit of 817,061 or 27% at the target year 2007 enrollment. The Academic Space Needs Summary Tables include the Law Library as it reports directly to an academic unit. Summaries of space needs below are followed by the Academic Space Needs Analysis Summary Tables for each major Academic unit.

College of Agriculture and Environmental Sciences

Guideline application without classrooms for the college of Agriculture and Environmental Studies shows a deficit at the target year of 86,610 ASF or 15%.

College of Arts and Sciences

The College of Arts and Sciences guideline application without classrooms projects a deficit of 121,536 ASF or 13% at the target year. The category of space having the largest deficit in the College of Arts and Sciences at the target year 2007 is Teaching Laboratory space.

College of Business

At the target year 2007, guideline application without classrooms indicates the College of Business has a deficit of 20% or 11,742 ASF.

Developmental Studies

Guideline application without classrooms shows this unit having a deficit at the target year of 13,161 ASF or 103%.

College of Education

At the target year guideline application without classrooms for the College of Education indicates a deficit of 61,679 ASF or 36%.

School of Environmental Design

For the School of Environmental Design the target year totals without classrooms indicate a deficit of 33% or 11,123 ASF.

College of Family and Consumer Sciences

The target year 2007 guideline application without classrooms shows this unit having a deficit of 51% or 38,941 ASF.

School of Forest Resources

The School of forest Resources guideline application without classrooms projects a deficit at the target year of 53,443 ASF or 87%. At the target year Research Laboratory space is the category which shows the largest deficit in the School of Forest Resources.

College of Journalism and Mass Communication

At the target year 2007, guideline application without classrooms shows a deficit of 38% or 14,843 ASF.

School of Law

At the target year the total without classrooms for the School of Law indicates a deficit of 30,177 ASF or 34%. The Academic Space Needs Summary Tables for the School of Law include the Law Library as it reports directly to the School. Guideline space for the Law Library was calculated as a proportion of the total campus library space needs.

Military Science

At the target year the total without classrooms indicates a surplus of 4,108 ASF or 30%.

College of Pharmacy

The target year 2007 guideline application without classrooms projects a deficit of 38,206 ASF or 61%. The category of space having the largest deficit in the College of Pharmacy at the target year is Teaching Laboratory space.

School of Social Work

The School of Social Work guideline application without classrooms shows a surplus at the target year of 20% or 3,963 ASF.

College of Veterinary Medicine

At the target year guideline application without classrooms for the College of Veterinary Medicine indicates a deficit of 161,778 ASF or 52%. The category of space having the largest deficit in the College of Veterinary Medicine at the target year 2007 is Research Laboratory space.

Vice President for Academic Affairs

Guideline application without classrooms shows this unit having a deficit at the target year of 33% or 34,389 ASF.

Vice President for Research

At the target year guideline application without classrooms indicates a deficit of 74,562 ASF or 58%.

UNIVERSITY OF GEORGIA - ATHENS

ACADEMIC SPACE NEEDS ANALYSIS SUMMARY TABLE

BASE YEAR 1996 SPACE TYPE	Permanent Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ACADEMIC SPACE				
Classroom & Service	280,037	295,527	(15,490)	(6%)
Teaching Labs & Service	195,914	299,843	(103,929)	(53%)
Open Labs & Service	187,351	193,231	(5,880)	(3%)
Research Labs & Service	749,335	837,997	(88,662)	(12%)
Academic Offices & Service	944,264	1,013,433	(69,169)	(7%)
Other Academic Department Space	592,498	609,024	(16,526)	(3%)
Law Library	36,879	51,014	(14,135)	(38%)
ACADEMIC SPACE TOTAL	**2,986,278**	**3,300,069**	**(313,791)**	**(11%)**

TARGET YEAR 2007 SPACE TYPE	Projected Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ACADEMIC SPACE				
Classroom & Service	278,612	343,629	(65,017)	(23%)
Teaching Labs & Service	195,914	348,100	(152,186)	(78%)
Open Labs & Service	187,351	212,903	(25,552)	(14%)
Research Labs & Service	749,335	984,937	(235,602)	(31%)
Academic Offices & Service	944,264	1,177,953	(233,689)	(25%)
Other Academic Department Space	592,498	670,535	(78,037)	(13%)
Law Library	36,879	63,857	(26,978)	(73%)
ACADEMIC SPACE TOTAL	**2,984,853**	**3,801,914**	**(817,061)**	**(27%)**

Note: The difference in classrooms and service space between base and target years is due to renovations.

UNIVERSITY OF GEORGIA - ATHENS

COLLEGE OF AGRICULTURE AND ENVIRONMENTAL SCIENCES

BASE YEAR 1996 SPACE TYPE	Permanent Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ACADEMIC SPACE				
Classroom & Service	18,123	8,197	9,926	55%
Teaching Labs & Service	17,674	29,597	(11,923)	(67%)
Open Labs & Service	19,463	19,463	0	0%
Research Labs & Service	210,504	183,169	27,335	13%
Academic Offices & Service	115,507	135,090	(19,583)	(17%)
Other Academic Dept Space	204,474	215,162	(10,688)	(5%)
ACADEMIC SPACE TOTAL	**585,745**	**590,677**	**(4,932)**	**(1%)**
Total Without Classrooms	***567,622***	***582,481***	***(14,859)***	***(3%)***

TARGET YEAR 2007 SPACE TYPE	Projected Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ACADEMIC SPACE				
Classroom & Service	18,123	9,593	8,530	47%
Teaching Labs & Service	17,674	34,265	(16,591)	(94%)
Open Labs & Service	19,463	21,507	(2,044)	(11%)
Research Labs & Service	210,504	209,569	935	0%
Academic Offices & Service	115,507	152,260	(36,753)	(32%)
Other Academic Dept Space	204,474	236,632	(32,158)	(16%)
ACADEMIC SPACE TOTAL	**585,745**	**663,825**	**(78,080)**	**(13%)**
Total Without Classrooms	***567,622***	***654,232***	***(86,610)***	***(15%)***

UNIVERSITY OF GEORGIA - ATHENS
COLLEGE OF ARTS AND SCIENCES

BASE YEAR 1996 **SPACE TYPE**	**Permanent Assigned Square Ft**	**Guideline Assigned Square Ft**	**Surplus/ (Deficit)**	**Percent Surplus/ (Deficit)**
ACADEMIC SPACE				
Classroom & Service	115,960	167,155	(51,195)	(44%)
Teaching Labs & Service	102,661	160,704	(58,043)	(57%)
Open Labs & Service	86,079	91,959	(5,880)	(7%)
Research Labs & Service	338,415	302,280	36,135	11%
Academic Offices & Service	353,439	294,097	59,342	17%
Other Academic Dept Space	78,273	78,273	0	0%
ACADEMIC SPACE TOTAL	**1,074,827**	**1,094,468**	**(19,641)**	**(2%)**
Total Without Classrooms	***958,867***	***927,313***	***31,554***	***3%***

TARGET YEAR 2007 **SPACE TYPE**	**Projected Assigned Square Ft**	**Guideline Assigned Square Ft**	**Surplus/ (Deficit)**	**Percent Surplus/ (Deficit)**
ACADEMIC SPACE				
Classroom & Service	115,960	198,261	(82,301)	(71%)
Teaching Labs & Service	102,661	189,012	(86,351)	(84%)
Open Labs & Service	86,079	100,997	(14,918)	(17%)
Research Labs & Service	338,415	357,945	(19,530)	(6%)
Academic Offices & Service	353,439	345,957	7,482	2%
Other Academic Dept Space	78,273	86,492	(8,219)	(11%)
ACADEMIC SPACE TOTAL	**1,074,827**	**1,278,663**	**(203,836)**	**(19%)**
Total Without Classrooms	***958,867***	***1,080,403***	***(121,536)***	***(13%)***

UNIVERSITY OF GEORGIA - ATHENS

COLLEGE OF BUSINESS

BASE YEAR 1996 **SPACE TYPE**	**Permanent Assigned Square Ft**	**Guideline Assigned Square Ft**	**Surplus/ (Deficit)**	**Percent Surplus/ (Deficit)**
ACADEMIC SPACE				
Classroom & Service	15,679	38,077	(22,398)	(143%)
Teaching Labs & Service	3,436	6,273	(2,837)	(83%)
Open Labs & Service	858	858	0	0%
Research Labs & Service	2,638	4,280	(1,642)	(62%)
Academic Offices & Service	47,272	44,880	2,392	5%
Other Academic Dept Space	5,538	5,538	0	0%
ACADEMIC SPACE TOTAL	**75,421**	**99,906**	**(24,485)**	**(32%)**
Total Without Classrooms	***59,742***	***61,829***	***(2,087)***	***(3%)***

TARGET YEAR 2007 **SPACE TYPE**	**Projected Assigned Square Ft**	**Guideline Assigned Square Ft**	**Surplus/ (Deficit)**	**Percent Surplus/ (Deficit)**
ACADEMIC SPACE				
Classroom & Service	13,607	44,879	(31,272)	(230%)
Teaching Labs & Service	3,436	7,387	(3,951)	(115%)
Open Labs & Service	858	948	(90)	(11%)
Research Labs & Service	2,638	5,060	(2,422)	(92%)
Academic Offices & Service	47,272	51,970	(4,698)	(10%)
Other Academic Dept Space	5,538	6,119	(581)	(11%)
ACADEMIC SPACE TOTAL	**73,349**	**116,363**	**(43,014)**	**(59%)**
Total Without Classrooms	***59,742***	***71,484***	***(11,742)***	***(20%)***

UNIVERSITY OF GEORGIA - ATHENS

DEVELOPMENTAL STUDIES

BASE YEAR 1996 SPACE TYPE	Permanent Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ACADEMIC SPACE				
Classroom & Service	376	2,227	(1,851)	(492%)
Teaching Labs & Service	0	0	0	N/A
Open Labs & Service	4,975	4,975	0	0%
Research Labs & Service	0	420	(420)	N/A
Academic Offices & Service	7,407	16,490	(9,083)	(123%)
Other Academic Dept Space	335	335	0	0%
ACADEMIC SPACE TOTAL	**13,093**	**24,447**	**(11,354)**	**(87%)**
Total Without Classrooms	***12,717***	***22,220***	***(9,503)***	***(75%)***

TARGET YEAR 2007 SPACE TYPE	Projected Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ACADEMIC SPACE				
Classroom & Service	376	2,586	(2,210)	(588%)
Teaching Labs & Service	0	0	0	N/A
Open Labs & Service	4,975	5,497	(522)	(11%)
Research Labs & Service	0	480	(480)	N/A
Academic Offices & Service	7,407	19,530	(12,123)	(164%)
Other Academic Dept Space	335	370	(35)	(11%)
ACADEMIC SPACE TOTAL	**13,093**	**28,464**	**(15,371)**	**(117%)**
Total Without Classrooms	***12,717***	***25,878***	***(13,161)***	***(103%)***

UNIVERSITY OF GEORGIA - ATHENS

COLLEGE OF EDUCATION

BASE YEAR 1996 **SPACE TYPE**	**Permanent Assigned Square Ft**	**Guideline Assigned Square Ft**	**Surplus/ (Deficit)**	**Percent Surplus/ (Deficit)**
ACADEMIC SPACE				
Classroom & Service	24,160	24,353	(193)	(1%)
Teaching Labs & Service	13,083	22,006	(8,923)	(68%)
Open Labs & Service	19,212	19,212	0	0%
Research Labs & Service	14,897	29,880	(14,983)	(101%)
Academic Offices & Service	113,656	116,791	(3,135)	(3%)
Other Academic Dept Space	11,592	11,592	0	0%
ACADEMIC SPACE TOTAL	**196,600**	**223,833**	**(27,233)**	**(14%)**
Total Without Classrooms	***172,440***	***199,481***	***(27,041)***	***(16%)***

TARGET YEAR 2007 **SPACE TYPE**	**Projected Assigned Square Ft**	**Guideline Assigned Square Ft**	**Surplus/ (Deficit)**	**Percent Surplus/ (Deficit)**
ACADEMIC SPACE				
Classroom & Service	24,160	28,241	(4,081)	(17%)
Teaching Labs & Service	13,083	25,569	(12,486)	(95%)
Open Labs & Service	19,212	21,229	(2,017)	(11%)
Research Labs & Service	14,897	35,550	(20,653)	(139%)
Academic Offices & Service	113,656	138,961	(25,305)	(22%)
Other Academic Dept Space	11,592	12,809	(1,217)	(11%)
ACADEMIC SPACE TOTAL	**196,600**	**262,359**	**(65,759)**	**(33%)**
Total Without Classrooms	***172,440***	***234,119***	***(61,679)***	***(36%)***

UNIVERSITY OF GEORGIA - ATHENS
SCHOOL OF ENVIRONMENTAL DESIGN

BASE YEAR 1996 SPACE TYPE	Permanent Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ACADEMIC SPACE				
Classroom & Service	463	1,606	(1,143)	(247%)
Teaching Labs & Service	18,014	17,265	749	4%
Open Labs & Service	4,706	4,706	0	0%
Research Labs & Service	0	4,200	(4,200)	N/A
Academic Offices & Service	8,449	9,892	(1,443)	(17%)
Other Academic Dept Space	2,811	2,811	0	0%
ACADEMIC SPACE TOTAL	**34,443**	**40,480**	**(6,037)**	**(18%)**
Total Without Classrooms	***33,980***	***38,874***	***(4,894)***	***(14%)***

TARGET YEAR 2007 SPACE TYPE	Projected Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ACADEMIC SPACE				
Classroom & Service	463	1,866	(1,403)	(303%)
Teaching Labs & Service	18,014	20,035	(2,021)	(11%)
Open Labs & Service	4,706	5,200	(494)	(11%)
Research Labs & Service	0	5,040	(5,040)	N/A
Academic Offices & Service	8,449	11,722	(3,273)	(39%)
Other Academic Dept Space	2,811	3,106	(295)	(11%)
ACADEMIC SPACE TOTAL	**34,443**	**46,970**	**(12,527)**	**(36%)**
Total Without Classrooms	***33,980***	***45,103***	***(11,123)***	***(33%)***

UNIVERSITY OF GEORGIA - ATHENS

COLLEGE OF FAMILY & CONSUMER SCIENCE

BASE YEAR 1996 SPACE TYPE	Permanent Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ACADEMIC SPACE				
Classroom & Service	7,342	7,567	(225)	(3%)
Teaching Labs & Service	5,278	3,440	1,838	35%
Open Labs & Service	13,218	13,218	0	0%
Research Labs & Service	16,951	24,400	(7,449)	(44%)
Academic Offices & Service	29,901	47,713	(17,812)	(60%)
Other Academic Dept Space	11,269	11,269	0	0%
ACADEMIC SPACE TOTAL	**83,959**	**107,607**	**(23,648)**	**(28%)**
Total Without Classrooms	***76,617***	***100,040***	***(23,423)***	***(31%)***

TARGET YEAR 2007 SPACE TYPE	Projected Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ACADEMIC SPACE				
Classroom & Service	7,342	8,842	(1,500)	(20%)
Teaching Labs & Service	5,278	3,977	1,301	25%
Open Labs & Service	13,218	14,606	(1,388)	(11%)
Research Labs & Service	16,951	29,200	(12,249)	(72%)
Academic Offices & Service	29,901	55,323	(25,422)	(85%)
Other Academic Dept Space	11,269	12,452	(1,183)	(11%)
ACADEMIC SPACE TOTAL	**83,959**	**124,400**	**(40,441)**	**(48%)**
Total Without Classrooms	***76,617***	***115,558***	***(38,941)***	***(51%)***

UNIVERSITY OF GEORGIA - ATHENS

SCHOOL OF FOREST RESOURCES

BASE YEAR 1996 SPACE TYPE	Permanent Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ACADEMIC SPACE				
Classroom & Service	3,134	2,111	1,023	33%
Teaching Labs & Service	1,622	10,739	(9,117)	(562%)
Open Labs & Service	2,221	2,221	0	0%
Research Labs & Service	20,791	46,500	(25,709)	(124%)
Academic Offices & Service	30,311	32,330	(2,019)	(7%)
Other Academic Dept Space	6,804	6,804	0	0%
ACADEMIC SPACE TOTAL	**64,883**	**100,705**	**(35,822)**	**(55%)**
Total Without Classrooms	***61,749***	***98,594***	***(36,845)***	***(60%)***

TARGET YEAR 2007 SPACE TYPE	Projected Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ACADEMIC SPACE				
Classroom & Service	3,134	2,453	681	22%
Teaching Labs & Service	1,622	12,500	(10,878)	(671%)
Open Labs & Service	2,221	2,454	(233)	(11%)
Research Labs & Service	20,791	55,200	(34,409)	(165%)
Academic Offices & Service	30,311	38,220	(7,909)	(26%)
Other Academic Dept Space	6,804	6,817	(13)	(0%)
ACADEMIC SPACE TOTAL	**64,883**	**117,644**	**(52,761)**	**(81%)**
Total Without Classrooms	***61,749***	***115,192***	***(53,443)***	***(87%)***

UNIVERSITY OF GEORGIA - ATHENS

COLLEGE OF JOURNALISM AND MASS COMMUNICATION

BASE YEAR 1996 SPACE TYPE	Permanent Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ACADEMIC SPACE				
Classroom & Service	736	4,999	(4,263)	(579%)
Teaching Labs & Service	7,135	8,389	(1,254)	(18%)
Open Labs & Service	11,823	11,823	0	0%
Research Labs & Service	774	4,500	(3,726)	(481%)
Academic Offices & Service	13,390	16,240	(2,850)	(21%)
Other Academic Dept Space	5,754	5,754	0	0%
ACADEMIC SPACE TOTAL	**39,612**	**51,705**	**(12,093)**	**(31%)**
Total Without Classrooms	***38,876***	***46,706***	***(7,830)***	***(20%)***

TARGET YEAR 2007 SPACE TYPE	Projected Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ACADEMIC SPACE				
Classroom & Service	736	5,835	(5,099)	(693%)
Teaching Labs & Service	7,135	9,757	(2,622)	(37%)
Open Labs & Service	11,823	13,064	(1,241)	(11%)
Research Labs & Service	774	5,400	(4,626)	(598%)
Academic Offices & Service	13,390	19,140	(5,750)	(43%)
Other Academic Dept Space	5,754	6,358	(604)	(11%)
ACADEMIC SPACE TOTAL	**39,612**	**59,554**	**(19,942)**	**(50%)**
Total Without Classrooms	***38,876***	***53,719***	***(14,843)***	***(38%)***

UNIVERSITY OF GEORGIA - ATHENS

SCHOOL OF LAW

BASE YEAR 1996 SPACE TYPE	Permanent Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ACADEMIC SPACE				
Classroom & Service	8,839	6,226	2,613	30%
Teaching Labs & Service	0	0	0	N/A
Open Labs & Service	2,505	2,505	0	0%
Research Labs & Service	0	4,080	(4,080)	N/A
Academic Offices & Service	36,796	34,432	2,364	6%
Other Academic Dept Space	11,615	11,615	0	0%
Law Library	36,879	51,014	(14,135)	(38%)
ACADEMIC SPACE TOTAL	**96,634**	**109,871**	**(13,237)**	**(14%)**
Total Without Classrooms	***87,795***	***103,645***	***(15,850)***	***(18%)***

TARGET YEAR 2007 SPACE TYPE	Projected Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ACADEMIC SPACE				
Classroom & Service	8,839	6,226	2,613	30%
Teaching Labs & Service	0	0	0	N/A
Open Labs & Service	2,505	2,768	(263)	(11%)
Research Labs & Service	0	4,080	(4,080)	N/A
Academic Offices & Service	36,796	34,432	2,364	6%
Other Academic Dept Space	11,615	12,835	(1,220)	(11%)
Law Library	36,879	63,857	(26,978)	(73%)
ACADEMIC SPACE TOTAL	**96,634**	**124,197**	**(27,563)**	**(29%)**
Total Without Classrooms	***87,795***	***117,972***	***(30,177)***	***(34%)***

UNIVERSITY OF GEORGIA - ATHENS

MILITARY SCIENCE

BASE YEAR 1996 SPACE TYPE	Permanent Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ACADEMIC SPACE				
Classroom & Service	2,892	632	2,260	78%
Teaching Labs & Service	1,218	0	1,218	100%
Open Labs & Service	0	0	0	N/A
Research Labs & Service	0	0	0	N/A
Academic Offices & Service	7,110	3,649	3,461	49%
Other Academic Dept Space	5,439	5,439	0	0%
ACADEMIC SPACE TOTAL	**16,659**	**9,719**	**6,940**	**42%**
Total Without Classrooms	***13,767***	***9,088***	***4,679***	***34%***

TARGET YEAR 2007 SPACE TYPE	Projected Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ACADEMIC SPACE				
Classroom & Service	2,892	705	2,187	76%
Teaching Labs & Service	1,218	0	1,218	100%
Open Labs & Service	0	0	0	N/A
Research Labs & Service	0	0	0	N/A
Academic Offices & Service	7,110	3,649	3,461	49%
Other Academic Dept Space	5,439	6,010	(571)	(11%)
ACADEMIC SPACE TOTAL	**16,659**	**10,364**	**6,295**	**38%**
Total Without Classrooms	***13,767***	***9,659***	***4,108***	***30%***

UNIVERSITY OF GEORGIA - ATHENS
COLLEGE OF PHARMACY

BASE YEAR 1996 SPACE TYPE	Permanent Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ACADEMIC SPACE				
Classroom & Service	2,431	6,543	(4,112)	(169%)
Teaching Labs & Service	1,874	22,260	(20,386)	(1088%)
Open Labs & Service	8,696	8,696	0	0%
Research Labs & Service	23,648	25,500	(1,852)	(8%)
Academic Offices & Service	17,874	20,636	(2,762)	(15%)
Other Academic Dept Space	10,564	10,564	0	0%
ACADEMIC SPACE TOTAL	**65,087**	**94,199**	**(29,112)**	**(45%)**
Total Without Classrooms	***62,656***	***87,656***	***(25,000)***	***(40%)***

TARGET YEAR 2007 SPACE TYPE	Projected Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ACADEMIC SPACE				
Classroom & Service	2,431	7,750	(5,319)	(219%)
Teaching Labs & Service	1,874	26,429	(24,555)	(1310%)
Open Labs & Service	8,696	9,609	(913)	(11%)
Research Labs & Service	23,648	29,625	(5,977)	(25%)
Academic Offices & Service	17,874	23,526	(5,652)	(32%)
Other Academic Dept Space	10,564	11,673	(1,109)	(11%)
ACADEMIC SPACE TOTAL	**65,087**	**108,612**	**(43,525)**	**(67%)**
Total Without Classrooms	***62,656***	***100,862***	***(38,206)***	***(61%)***

UNIVERSITY OF GEORGIA - ATHENS

SCHOOL OF SOCIAL WORK

BASE YEAR 1996 SPACE TYPE	Permanent Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ACADEMIC SPACE				
Classroom & Service	2,464	2,485	(21)	(1%)
Teaching Labs & Service	0	0	0	N/A
Open Labs & Service	1,197	1,197	0	0%
Research Labs & Service	0	5,200	(5,200)	N/A
Academic Offices & Service	17,005	12,376	4,629	27%
Other Academic Dept Space	1,392	1,392	0	0%
ACADEMIC SPACE TOTAL	**22,058**	**22,650**	**(592)**	**(3%)**
Total Without Classrooms	***19,594***	***20,165***	***(571)***	***(3%)***

TARGET YEAR 2007 SPACE TYPE	Projected Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ACADEMIC SPACE				
Classroom & Service	3,111	2,908	203	7%
Teaching Labs & Service	0	0	0	N/A
Open Labs & Service	1,197	1,323	(126)	(11%)
Research Labs & Service	0	6,200	(6,200)	N/A
Academic Offices & Service	17,005	14,496	2,509	15%
Other Academic Dept Space	1,392	1,538	(146)	(11%)
ACADEMIC SPACE TOTAL	**22,705**	**26,465**	**(3,760)**	**(17%)**
Total Without Classrooms	***19,594***	***23,557***	***(3,963)***	***(20%)***

UNIVERSITY OF GEORGIA - ATHENS
COLLEGE OF VETERINARY MEDICINE

BASE YEAR 1996 SPACE TYPE	Permanent Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ACADEMIC SPACE				
Classroom & Service	3,913	22,428	(18,515)	(473%)
Teaching Labs & Service	19,794	19,170	624	3%
Open Labs & Service	9,357	9,357	0	0%
Research Labs & Service	55,123	117,750	(62,627)	(114%)
Academic Offices & Service	40,319	82,888	(42,569)	(106%)
Other Academic Dept Space	184,799	184,799	0	0%
ACADEMIC SPACE TOTAL	**313,305**	**436,392**	**(123,087)**	**(39%)**
Total Without Classrooms	***309,392***	***413,964***	***(104,572)***	***(34%)***

TARGET YEAR 2007 SPACE TYPE	Projected Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ACADEMIC SPACE				
Classroom & Service	3,913	22,428	(18,515)	(473%)
Teaching Labs & Service	19,794	19,170	624	3%
Open Labs & Service	9,357	10,339	(982)	(11%)
Research Labs & Service	55,123	139,500	(84,377)	(153%)
Academic Offices & Service	40,319	97,958	(57,639)	(143%)
Other Academic Dept Space	184,799	204,203	(19,404)	(11%)
ACADEMIC SPACE TOTAL	**313,305**	**493,599**	**(180,294)**	**(58%)**
Total Without Classrooms	***309,392***	***471,170***	***(161,778)***	***(52%)***

UNIVERSITY OF GEORGIA - ATHENS

VICE PRESIDENT FOR ACADEMIC AFFAIRS

BASE YEAR 1996 SPACE TYPE	Permanent Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ADMINISTRATIVE SPACE				
Classroom & Service	73,525	922	72,603	99%
Teaching Labs & Service	4,125	0	4,125	100%
Open Labs & Service	2,179	2,179	0	0%
Research Labs & Service	963	963	0	0%
Administrative Offices & Service	65,890	82,340	(16,450)	(25%)
Other Administrative Dept Space	29,538	34,722	(5,184)	(18%)
ACADEMIC SPACE TOTAL	**176,220**	**121,126**	**55,094**	**31%**
Total Without Classrooms	***102,695***	***120,204***	***(17,509)***	***(17%)***

TARGET YEAR 2007 SPACE TYPE	Projected Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ADMINISTRATIVE SPACE				
Classroom & Service	73,525	1,056	72,469	99%
Teaching Labs & Service	4,125	0	4,125	100%
Open Labs & Service	2,179	2,408	(229)	(11%)
Research Labs & Service	963	963	0	0%
Administrative Offices & Service	65,890	95,890	(30,000)	(46%)
Other Administrative Dept Space	29,538	37,823	(8,285)	(28%)
ACADEMIC SPACE TOTAL	**176,220**	**138,140**	**38,080**	**22%**
Total Without Classrooms	***102,695***	***137,084***	***(34,389)***	***(33%)***

Note: All centrally scheduled classrooms are shown with this unit. The guideline space is primarily generated within Colleges and Schools and is shown with those units.

UNIVERSITY OF GEORGIA - ATHENS

VICE PRESIDENT FOR RESEARCH

BASE YEAR 1996 **SPACE TYPE**	**Permanent Assigned Square Ft**	**Guideline Assigned Square Ft**	**Surplus/ (Deficit)**	**Percent Surplus/ (Deficit)**
ACADEMIC SPACE				
Classroom & Service	0	0	0	N/A
Teaching Labs & Service	0	0	0	N/A
Open Labs & Service	862	862	0	0%
Research Labs & Service	64,631	84,875	(20,244)	(31%)
Academic Offices & Service	39,938	63,590	(23,652)	(59%)
Other Academic Dept Space	22,301	22,955	(654)	(3%)
ACADEMIC SPACE TOTAL	**127,732**	**172,282**	**(44,550)**	**(35%)**
Total Without Classrooms	***127,732***	***172,282***	***(44,550)***	***(35%)***

TARGET YEAR 2007 **SPACE TYPE**	**Projected Assigned Square Ft**	**Guideline Assigned Square Ft**	**Surplus/ (Deficit)**	**Percent Surplus/ (Deficit)**
ACADEMIC SPACE				
Classroom & Service	0	0	0	N/A
Teaching Labs & Service	0	0	0	N/A
Open Labs & Service	862	953	(91)	(11%)
Research Labs & Service	64,631	101,125	(36,494)	(56%)
Academic Offices & Service	39,938	74,920	(34,982)	(88%)
Other Academic Dept Space	22,301	25,297	(2,996)	(13%)
ACADEMIC SPACE TOTAL	**127,732**	**202,294**	**(74,562)**	**(58%)**
Total Without Classrooms	***127,732***	***202,294***	***(74,562)***	***(58%)***

2.4.4 Administrative Units Target Year 2007

Administrative units show a need for additional 218,669 ASF or 36% at the target year 2007. The summaries are followed by the Administrative Space Needs Analysis Summary Tables at the target year 2007 for each major Administrative unit.

President

Guideline application indicates this unit has a deficit at the target year of 6,327 ASF or 12%.

Vice President for Business and Finance

At the target year 2007 there is a deficit of 41,348 ASF or 20%.

Vice President for Development and University Relations

Guideline application shows a deficit at the target year of 111% or 15,915 ASF.

Vice President for Legal Affairs

Guideline application projects this unit to have a deficit at the target year of 2,460 ASF or 165%. (This unit existed and was included in the campus organization at the time the analysis was conducted.)

Vice President for Service

Guideline application indicates this unit has a deficit at the target year of 43% or 67,230 ASF.

Vice President for Student Affairs

Guideline application shows a deficit at the target year of 85,390 ASF or 45%.

UNIVERSITY OF GEORGIA - ATHENS

ADMINISTRATIVE SPACE NEEDS ANALYSIS SUMMARY TABLE

BASE YEAR 1996 SPACE TYPE	Permanent Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ADMINISTRATIVE SPACE				
Classroom & Service	0	0	0	N/A
Teaching Labs & Service	0	0	0	N/A
Open Labs & Service	2,956	2,956	0	0%
Research Labs & Service	12,092	30,993	(18,901)	(156%)
Administrative Offices & Service	331,680	440,399	(108,719)	(33%)
Other Administrative Department Space	267,082	298,899	(31,817)	(12%)
ADMINISTRATIVE SPACE SUBTOTAL	**613,810**	**773,247**	**(159,437)**	**(26%)**

TARGET YEAR 2007 SPACE TYPE	Projected Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ADMINISTRATIVE SPACE				
Classroom & Service	0	0	0	N/A
Teaching Labs & Service	0	0	0	N/A
Open Labs & Service	2,956	3,113	(157)	(5%)
Research Labs & Service	12,092	33,793	(21,701)	(179%)
Administrative Offices & Service	331,680	482,519	(150,839)	(45%)
Other Administrative Department Space	267,082	313,054	(45,972)	(17%)
ADMINISTRATIVE SPACE SUBTOTAL	**613,810**	**832,479**	**(218,669)**	**(36%)**

UNIVERSITY OF GEORGIA - ATHENS

PRESIDENT

BASE YEAR 1996 SPACE TYPE	Permanent Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ADMINISTRATIVE SPACE				
Classroom & Service	0	0	0	N/A
Teaching Labs & Service	0	0	0	N/A
Open Labs & Service	0	0	0	N/A
Research Labs & Service	0	0	0	N/A
Administrative Offices & Service	38,295	40,530	(2,235)	(6%)
Other Adminstrative Dept Space	12,484	12,484	0	0%
ADMINISTRATIVE SPACE SUBTOTAL	**50,779**	**53,014**	**(2,235)**	**(4%)**

TARGET YEAR 2007 SPACE TYPE	Projected Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ADMINISTRATIVE SPACE				
Classroom & Service	0	0	0	N/A
Teaching Labs & Service	0	0	0	N/A
Open Labs & Service	0	0	0	N/A
Research Labs & Service	0	0	0	N/A
Administrative Offices & Service	38,295	43,960	(5,665)	(15%)
Other Adminstrative Dept Space	12,484	13,146	(662)	(5%)
ADMINISTRATIVE SPACE SUBTOTAL	**50,779**	**57,106**	**(6,327)**	**(12%)**

UNIVERSITY OF GEORGIA - ATHENS

VICE PRESIDENT FOR BUSINESS AND FINANCE

BASE YEAR 1996 SPACE TYPE	Permanent Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ADMINISTRATIVE SPACE				
Classroom & Service	0	0	0	N/A
Teaching Labs & Service	0	0	0	N/A
Open Labs & Service	156	156	0	0%
Research Labs & Service	467	467	0	0%
Administrative Offices & Service	103,383	125,750	(22,367)	(22%)
Other Administrative Dept Space	99,105	99,105	0	0%
ADMINISTRATIVE SPACE SUBTOTAL	**203,111**	**225,478**	**(22,367)**	**(11%)**

TARGET YEAR 2007 SPACE TYPE	Projected Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ADMINISTRATIVE SPACE				
Classroom & Service	0	0	0	N/A
Teaching Labs & Service	0	0	0	N/A
Open Labs & Service	156	164	(8)	(5%)
Research Labs & Service	467	467	0	0%
Administrative Offices & Service	103,383	139,470	(36,087)	(35%)
Other Administrative Dept Space	99,105	104,358	(5,253)	(5%)
ADMINISTRATIVE SPACE SUBTOTAL	**203,111**	**244,459**	**(41,348)**	**(20%)**

UNIVERSITY OF GEORGIA - ATHENS

VICE PRESIDENT FOR DEVELOPMENT AND UNIV RELATIONS

BASE YEAR 1996 SPACE TYPE	Permanent Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ADMINISTRATIVE SPACE				
Classroom & Service	0	0	0	N/A
Teaching Labs & Service	0	0	0	N/A
Open Labs & Service	0	0	0	N/A
Research Labs & Service	0	0	0	N/A
Administrative Offices & Service	11,253	24,950	(13,697)	(122%)
Other Administrative Dept Space	3,099	3,223	(124)	(4%)
ADMINISTRATIVE SPACE SUBTOTAL	**14,352**	**28,173**	**(13,821)**	**(96%)**

TARGET YEAR 2007 SPACE TYPE	Projected Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ADMINISTRATIVE SPACE				
Classroom & Service	0	0	0	N/A
Teaching Labs & Service	0	0	0	N/A
Open Labs & Service	0	0	0	N/A
Research Labs & Service	0	0	0	N/A
Administrative Offices & Service	11,253	26,880	(15,627)	(139%)
Other Administrative Dept Space	3,099	3,387	(288)	(9%)
ADMINISTRATIVE SPACE SUBTOTAL	**14,352**	**30,267**	**(15,915)**	**(111%)**

UNIVERSITY OF GEORGIA - ATHENS

VICE PRESIDENT FOR LEGAL AFFAIRS

BASE YEAR 1996 SPACE TYPE	Permanent Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ADMINISTRATIVE SPACE				
Classroom & Service	0	0	0	N/A
Teaching Labs & Service	0	0	0	N/A
Open Labs & Service	0	0	0	N/A
Research Labs & Service	0	0	0	N/A
Administrative Offices & Service	1,490	3,060	(1,570)	(105%)
Other Administrative Dept Space	0	0	0	N/A
ADMINISTRATIVE SPACE SUBTOTAL	**1,490**	**3,060**	**(1,570)**	**(105%)**

TARGET YEAR 2007 SPACE TYPE	Projected Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ADMINISTRATIVE SPACE				
Classroom & Service	0	0	0	N/A
Teaching Labs & Service	0	0	0	N/A
Open Labs & Service	0	0	0	N/A
Research Labs & Service	0	0	0	N/A
Administrative Offices & Service	1,490	3,950	(2,460)	(165%)
Other Administrative Dept Space	0	0	0	N/A
ADMINISTRATIVE SPACE SUBTOTAL	**1,490**	**3,950**	**(2,460)**	**(165%)**

UNIVERSITY OF GEORGIA - ATHENS

VICE PRESIDENT FOR SERVICES

BASE YEAR 1996 SPACE TYPE	Permanent Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ADMINISTRATIVE SPACE				
Classroom & Service	0	0	0	N/A
Teaching Labs & Service	0	0	0	N/A
Open Labs & Service	279	279	0	0%
Research Labs & Service	7,834	27,650	(19,816)	(253%)
Administrative Offices & Service	84,446	115,599	(31,153)	(37%)
Other Administrative Dept Space	63,128	63,128	0	0%
ADMINISTRATIVE SPACE SUBTOTAL	**155,687**	**206,656**	**(50,969)**	**(33%)**

TARGET YEAR 2007 SPACE TYPE	Projected Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ADMINISTRATIVE SPACE				
Classroom & Service	0	0	0	N/A
Teaching Labs & Service	0	0	0	N/A
Open Labs & Service	279	294	(15)	(5%)
Research Labs & Service	7,834	30,450	(22,616)	(289%)
Administrative Offices & Service	84,446	125,699	(41,253)	(49%)
Other Administrative Dept Space	63,128	66,474	(3,346)	(5%)
ADMINISTRATIVE SPACE SUBTOTAL	**155,687**	**222,917**	**(67,230)**	**(43%)**

UNIVERSITY OF GEORGIA - ATHENS

VICE PRESIDENT FOR STUDENT AFFAIRS

BASE YEAR 1996 SPACE TYPE	Permanent Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ADMINISTRATIVE SPACE				
Classroom & Service	0	0	0	N/A
Teaching Labs & Service	0	0	0	N/A
Open Labs & Service	2,521	2,521	0	0%
Research Labs & Service	3,791	2,876	915	24%
Administrative Offices & Service	92,813	130,510	(37,697)	(41%)
Other Administrative Dept Space	89,266	120,959	(31,693)	(36%)
ADMINISTRATIVE SPACE SUBTOTAL	**188,391**	**256,866**	**(68,475)**	**(36%)**

TARGET YEAR 2007 SPACE TYPE	Projected Assigned Square Ft	Guideline Assigned Square Ft	Surplus/ (Deficit)	Percent Surplus/ (Deficit)
ADMINISTRATIVE SPACE				
Classroom & Service	0	0	0	N/A
Teaching Labs & Service	0	0	0	N/A
Open Labs & Service	2,521	2,655	(134)	(5%)
Research Labs & Service	3,791	2,876	915	24%
Administrative Offices & Service	92,813	142,560	(49,747)	(54%)
Other Administrative Dept Space	89,266	125,690	(36,424)	(41%)
ADMINISTRATIVE SPACE SUBTOTAL	**188,391**	**273,781**	**(85,390)**	**(45%)**

2.5 Guideline Assumptions

Paulien & Associates, Inc., chose to apply to the University of Georgia base year and target year projections, the guidelines of the Council of Educational Facility Planners, International (CEFPI), a professional society for educational facility planners, headquartered in Scottsdale, Arizona. CEFPI has been a leader for most of this century in planning methods and techniques for elementary and secondary schools. They have had a higher education division for many years and in 1985 published higher education guidelines. In addition, the CEFPI standards are recommended in the University System of Georgia Board of Regents Physical Master Planning Template.

CEFPI developed guidelines for classrooms, teaching laboratories by discipline, research laboratories by discipline, library space, office space, and a variety of specialized space categories. Institutional data is utilized to drive the guideline system. This institutional input data can range from a weekly student contact hour in a classroom or a teaching laboratory to the number of employees or graduate students utilizing research laboratories, requiring office space, etc. The specifics of each space category will be discussed briefly in the following sections.

The University of Georgia provided the consultant with background information including a room-by-room facilities inventory and staffing information from 1997, and course information from the fall 1996 quarter.

2.5.1 Classroom Space

CEFPI makes different assumptions about the amount of square footage needed for a student station in each type of space (the range is from 12 ASF for lecture to 20 ASF for seminar). The University of Georgia's actual average calculated to 18 ASF per student station. The consultant chose to use 15 ASF per station for lecture courses and 20 ASF for seminar courses in the analysis. Fall 1996 course data was used as the base information.

CEFPI shows a range of room utilization targets from 27 hours to 35 hours, based on a 45-hour week of 8:00 am to 5:00 p.m. The average CEFPI student station occupancy guideline, when classrooms are in use, ranges from 62.5% to 67%. The University of Georgia classroom utilization is 26 hours per week with 64% student station occupancy during day usage. The consultant applied the CEFPI classroom guideline for doctoral granting institutions: 30 hours per week at 62.5% student station occupancy. The classroom guideline was applied only to courses that met during the defined 45-hour week.

CLASSROOM GUIDELINE
45 Hours per Week

Target Utiization
30 Hours per Week
Average Student Occupancy -- 62.5%
Space per Student Lecture -- 15
Space per Student Seminar -- 20

University of Georgia Average
26 Hours per Week
Average Student Occupancy -- 64%
Space per Student -- 18

The formula for determining classroom space needs takes the target utilization of 30 hours per week, multiplies it by the average student occupancy target of 62.5%, and divides the space per student station. This calculation produces a guideline of .800 ASF per weekly student contact hour for lecture courses and 1.067 ASF for seminar courses.

Guideline Application Example

STEP 1 Space per Student Station (15 asf)

Weekly Room Use Target (30 hours) x Average Student Station Occupancy (62.5%) = 18.75
= (.800) Assignable Square Feet per Weekly Student Contact Hour

STEP 2
Enrollment (20) x Weekly Room Hours (3) = Weekly Student Contact Hours (60)

STEP 3
Weekly Student Contact Hours (60) x ASF/WSCH (.800) = Guideline Square Footage (48)

2.5.2 Teaching Laboratories

For this category of space, the space need per student station varies from discipline to discipline. The CEFPI guideline has approximately 50 different subject areas for which it provides teaching laboratory modules. In all cases, these are expressed as a range and in most cases, the high end of the range was utilized for the University of Georgia. The guideline used for each department at the University of Georgia is listed below. A few department units are listed twice because they had courses which best fit two different subject field guidelines.

Teaching Laboratories – Space per Student Station

SCHOOL/UNIT	DEPARTMENT	TEACHING LABS	DISCIPLINE
AGRIC AND ENV SCIENCES	AG & APPLIED ECONOMICS	40	Ag Economics
AGRIC AND ENV SCIENCES	ANIMAL & DAIRY SCIENCE	90	Animal Sciences
AGRIC AND ENV SCIENCES	BIO & AGRIC ENGINEERING	125	Agricultural Engineering
AGRIC AND ENV SCIENCES	BIO & AGRIC ENGINEERING	120	Engineering
AGRIC AND ENV SCIENCES	CROP AND SOIL SCIENCES	70	Agronomy
AGRIC AND ENV SCIENCES	ENTOMOLOGY - AGRIC	65	Biological Sciences
AGRIC AND ENV SCIENCES	FOOD SCIENCE & TECHNOLOGY	65	Biological Sciences
AGRIC AND ENV SCIENCES	FOOD SCIENCE & TECHNOLOGY	80	Food Science & Technology
AGRIC AND ENV SCIENCES	HORTICULTURE DEPT	65	Horticulture
AGRIC AND ENV SCIENCES	PLANT PATHOLOGY DEPT	65	Biological Sciences
AGRIC AND ENV SCIENCES	POULTRY SCIENCE DEPT	65	Poultry Science
ARTS AND SCIENCES	A&S INSTITUTE OF ECOLOGY	65	Biological Sciences
ARTS AND SCIENCES	BIOCHEM & MOL BIOLOGY	65	Biological Sciences
ARTS AND SCIENCES	BIOLOGICAL SCIENCES	65	Biological Sciences
ARTS AND SCIENCES	BOTANY	65	Biological Sciences
ARTS AND SCIENCES	CELLULAR BIOLOGY	65	Biological Sciences
ARTS AND SCIENCES	CHEMISTRY	75	Chemistry
ARTS AND SCIENCES	COMPUTER SCIENCE	60	Computer & Information Science
ARTS AND SCIENCES	DRAMA & THEATRE	150	Dance
ARTS AND SCIENCES	GEOGRAPHY	60	Geography
ARTS AND SCIENCES	GEOLOGY	60	Geology
ARTS AND SCIENCES	MICROBIOLOGY	65	Biological Sciences
ARTS AND SCIENCES	MUSIC	60	Music
ARTS AND SCIENCES	PHYSICS AND ASTRONOMY	60	Astronomy
ARTS AND SCIENCES	PHYSICS AND ASTRONOMY	75	Physics
ARTS AND SCIENCES	PSYCHOLOGY	50	Psychology
ARTS AND SCIENCES	SCHOOL OF ART	80	Art
ARTS AND SCIENCES	SCHOOL OF ART	60	Computer & Information Science
BUSINESS	BANKING AND FINANCE	60	Computer & Information Science
BUSINESS	MANAGEMENT	60	Computer & Information Science
BUSINESS	MARKETING & DISTRIBUTION	60	Computer & Information Science
EDUCATION	AGRIC ED-TEACHER TRAINING	40	Education
EDUCATION	ASSO DEAN FOR ACAD AFFA	40	Education
EDUCATION	COUNSELING & HUMAN DEVEL	40	Education
EDUCATION	DIV COUN,ED PSY,INST TECH	60	Computer & Information Science
EDUCATION	DIV COUN,ED PSY,INST TECH	40	Education
EDUCATION	INSTRUCTIONAL TECHNOLOGY	80	Art
EDUCATION	INSTRUCTIONAL TECHNOLOGY	60	Computer & Information Science
EDUCATION	INSTRUCTIONAL TECHNOLOGY	40	Education
EDUCATION	MATHEMATICS EDUCATION	30	Mathematics
EDUCATION	OCCUPATIONAL STUDIES	60	Computer & Information Science
EDUCATION	SCH HLTH & HUMAN PERFORMA	80	Health Professions (except Medicine)
EDUCATION	SCH LEADSHP & LIFELNG LRN	80	Art
EDUCATION	SCH LEADSHP & LIFELNG LRN	60	Computer & Information Science
EDUCATION	SOCIAL SCIENCE EDUCATION	60	Computer & Information Science
EDUCATION	SOCIAL SCIENCE EDUCATION	50	Social Sciences
ENVIRONMENTAL DESIGN	SCHOOL OF ENVIR DESIGN	125	Agricultural Engineering
ENVIRONMENTAL DESIGN	SCHOOL OF ENVIR DESIGN	80	Architecture
ENVIRONMENTAL DESIGN	SCHOOL OF ENVIR DESIGN	60	Computer & Information Science
FAMILY & CONSUMER SCIENCES	COLL OF FAMILY & CONS SCI	60	Home Economics
FOREST RESOURCES	SCH OF FOREST RESOURCES	50	Natural Resource Management
JOURNALISM & MASS COMM	COLLEGE OF JRL & MASS COM	80	Art
JOURNALISM & MASS COMM	COLLEGE OF JRL & MASS COM	60	Computer & Information Science
PHARMACY	COLLEGE OF PHARMACY	70	Pharmacy
VETERINARY MEDICINE	AVIAN MEDICINE	90	Veterinary Medicine
VETERINARY MEDICINE	MEDICAL MICROBIOLOGY	90	Veterinary Medicine
VETERINARY MEDICINE	PARASITOLOGY	65	Biological Sciences
VETERINARY MEDICINE	PATHOLOGY	90	Veterinary Medicine
VETERINARY MEDICINE	SMALL ANIMAL MEDICINE	90	Veterinary Medicine
VETERINARY MEDICINE	VET MED-DEANS OFFICE	90	Veterinary Medicine

The CEFPI guideline makes different utilization assumptions for specific disciplines. It identifies agriculture and the health professions as units where lower utilization factors would apply. This is due to the complexity of laboratory types and considerable independent laboratory work. For the University of Georgia, this means that the College of Agriculture and Environmental Sciences, the College of Pharmacy and the College of Veterinary Medicine will have a teaching laboratory utilization factor that is less than that of the other disciplines.

CEFPI expects laboratory utilization of 22.5 hours per week. The guideline (assignable square feet per weekly student contact hour) is derived by taking the expected weekly room hours (22.5 or 11.25 hours per week) and multiplying it by the expected student station occupancy (80%). This product is then divided into the space per student station (ranging from 40 square feet to 150 square feet, depending on the discipline).

Teaching Laboratories

UTILIZATION

Colleges of Ag & Env Sci, Pharmacy, and Vet Medicine
11.25 Hours Per Week
80% Average Student Occupancy

or

ALL OTHERS
22.5 Hours Per Week
80% Average Student Occupancy

The guideline is multiplied by the weekly student contact hours generated by each course. Weekly student contact hours are the number of students enrolled in the course multiplied by the number of hours the course meets per week for laboratory instruction. A section with 20 students enrolled, meeting for a three-hour lab once a week will produce 60 weekly student contact hours. If the guideline figure is 4.44 ASF/WSCH, this will produce 266 assignable square feet of laboratory need for that particular course. These calculations applied to all the laboratory courses in a particular discipline will produce the total guideline square feet.

Guideline Application Example

STEP 1 Space per Student Station (80 asf)
Weekly Room Use Target (22.5 hours) x Average Student Station Occupancy (80%) = 18
= (4.44) Assignable Square Feet per Weekly Student Contact Hour

STEP 2
Enrollment (20) x Weekly Room Hours (3) = Weekly Student Contact Hours (60)

STEP 3
Weekly Student Contact Hours (60) x ASF/WSCH (4.44) = Guideline Square Footage (266.4)

Fall 1996 course data was used as the base information. Based on a 45-hour week, University of Georgia teaching laboratory utilization was 19 hours per week at 71% student station occupancy and an average square foot per station of 125 ASF. The teaching laboratory guideline was applied only to laboratory courses that met during the defined 45-hour week.

2.5.3 Open Laboratories

The space classified as open laboratories and individual study laboratories are not specifically addressed by the CEFPI guideline. The existing ASF was assumed to be needed, and was, therefore, carried forward as the guideline ASF for the base year. At the target year 2002, the projected 10.5% enrollment increase was applied to the guideline. At the target year 2007, the projected 19% enrollment increase was applied to the guideline.

2.5.4 Research Laboratories

For this category of space, the space needed per department faculty varies from discipline to discipline. Similar to teaching laboratories, CEFPI guideline has approximately 50 different subject areas for which it provides research laboratory modules. In all cases, these are expressed as a range and in most cases, the high end of the range was utilized for the University of Georgia. The guideline is derived by taking the number of faculty members (including department chairs, plus graduate assistants and technical staff) and multiplying that number by the space per faculty module. These categories are in the office tables by department.

The CEFPI guidelines used are as follows:

DISCIPLINE	RESEARCH LABS
Aerospace & Aeronautical Engineering	425
Ag Economics	60
Agricultural Engineering	425
Agriculture	300
Agronomy	400
Animal Sciences	350
Anthropology	200
Architecture	120
Art	200
Art History	50
Astronomy	200
Biological Sciences	350
Business & Management	80
Ceramic Engineering	375
Chemical Engineering	350
Chemistry	375
Civil / Construction / Transport	425
Communications	90
Computer & Information Science	80
Computerized Writing & Reading Skills	100
Dairy Science	350
Dance	125
Dentistry	250
Developmental Studies	20
Drama & Theater	20
Economics	100
Education	90
Electrical / Electronics / Communications	350
Engineering	375
Engineering Mechanics	350
Environmental Design	120
Food Science & Technology	350
Foreign Languages	90
Geography	100
Geology	375
Health Professions (except Medicine)	300
History	20
Home Economics	200
Horticulture	300
Industrial & Management Engineering	300
Language & Literature	20
Law	85
Mathematics	20
Mechanical Engineering	375
Metallurgical Engineering	375
Metallurgy	325
Mining & Mineral Engineering	450
Music	20
Natural Resource Management	160
Nursing	50
Optometry	275
Pharmacy	375
Philosophy	20
Physical Sciences	350
Physics	375
Political Science	20
Poultry Science	350
Psychology	225
Religion	20
Social Sciences	100
Social Work	100
Sociology	20
Statistics	85
Studies Abroad	20
Textile Engineering	375
Veterinary Medicine	375

For some non-laboratory units with minimal research space, where guideline application would have greatly over generated any reasonable need, existing space was carried forward. For units with facilities, but no staff in the research categories identified in the UGA staff data, existing space was carried forward.

2.5.5 Office Space

The CEFPI guideline determines office space needs based on major categories of staff and an application of space amounts for a number of special needs. The University of Georgia provided staffing information with individual job titles, job family groupings, department names, full-time or part-time status, and FTE. The consultant then placed each individual into a major category shown in the table below. The guideline does not always provide adequate service or conference space for some units. The consultant applied additional space to those units where the guideline under-generated space.

Table 1: Office Space - Space per Person

Staffing Type	**ASF per Person**
President	300
Dean	250
Vice President	250
Provost	250
Associate Dean	200
Asst Vice Pres	200
Assoc Vice Pres	200
Assoc Provost	200
Executive/Administrative	180
Director	180
Chair	180
Asst Director	180
Faculty(Studio)	220
Faculty	140
Professional	150
Technical	140
Clerical	120
Graduate Assistant	70
Lecturer/Adjunct	70
Student Worker	70
Teaching Assistant	40
Police Officer	30
Special Needs	
Additional Service Space	500
Additional Conference Space	300
Service (per employee) Minimum	30
Conference (per professional) Minimum	20

2.5.6 Library Space

Most of the guideline systems utilize one set of factors for collections, another for readers, and a third for service space. The following application is the one used by Paulien & Associates. It takes the Association of College and Research Libraries (ACRL) collections guideline, which is also used by CEFPI. The guideline assumes that .10 ASF per volume is used until 150,000 volumes, at which point, the factor drops to .09 ASF. After 300,000 volumes are reached, the factor goes down to .08 ASF and then down again to .07 ASF above 600,000 volumes.

Until recently, the reader space calculations have generally been based on seating for 25% of the student body. ACRL suggests that if a college or university has more than 50% of its students in residential housing, it should have one reader station for every four full-time equivalent students. If less than 50% were on-site, it would be calculated at one for every five students (20%). The consultant chose to apply the 25% factor to undergraduate headcount, 25% factor to graduate students and 10% to the total faculty FTE. The consultant believes CEFPI's 25 square feet per reader station is not adequate because of increasing use of electronic library carrels. The mid-point of the ACRL guideline, 30 square feet, has been utilized.

CEFPI suggests 25% for service and staff space. ACRL, in their most recent guidelines, changed this category to 12.5%. The consultant used the 12.5% figure as this represents the most accurate figure in the profession.

The application of library space needs guideline at University of Georgia is based on the 1996 IPEDS report provided by the University. For the target year 2002, collection growth rates for the fiscal year 1996 were applied over a six-year period. For the target year 2007, collection growth rates for the fiscal year 1996 were applied over a eleven-year period.

The existing space for the School of Law Library and its proportional share of generated guideline space is shown with the School of Law in the Space Needs Analysis Summary Tables since this library reports directly to that academic unit.

2.5.7 Physical Education/Recreation

Many of the guideline systems have included this space category, but none have chosen to include athletics, because its needs for dedicated space vary significantly based on the level of athletics and the specific program elements at a given institution.

CEFPI suggests a core of 20,000 ASF for physical education/recreation and an additional five square feet per student above the 1,000 student enrollment level. The consultant chose to use the guideline from Bareither and Schillinger's book, University Space Planning. This guideline is calculated first by allocating 12.1 square feet for all undergraduates. It provides the same factor for graduate students, but assumes only 25% will utilize the facilities. It also provides 12.1 ASF for academic and non-academic staff, and assumes only 15% will use the facilities. We have used the full time faculty and the full time staff numbers in deriving this part of the formula.

2.5.8 Athletics

Due to the varied space requirements of indoor athletic space, there is no one guideline that addresses this space category.

2.5.9 Assembly/Exhibit

The guideline systems that address this space category do so on the basis of campus size. CEFPI has a larger core figure of 22,450 ASF, which is intended for "a college of university with a minimum of 5,000 FTE and an active Fine Arts program". CEFPI then adds another 5,000 ASF for "the addition of an extensive music program." For the University of Georgia, the consultant used the 27,450 ASF as the normative guideline figure plus an additional 6 ASF per students over 5,000 FTE.

2.5.10 Student Union Space

CEFPI suggests a formula of 9 square feet per student for each graduate and undergraduate student for Student Center space.

2.5.11 Physical Plant

CEFPI suggests a guideline of 8% of all square footage on campus with the exception of existing physical plant space. The consultant has found, in most cases, that these percentages generate significantly greater amounts of space than exist on campus. The consultants have found, from previous studies, that the average percentage is approximately 5% and believe this number to be more appropriate at the University of Georgia.

Since housing maintenance is handled separately, residence life facilities were excluded. Also excluded were parking facilities and physical plant space itself.

2.5.12 Central Computer Space

CEFPI bases their central data processing/computer space guideline on a core space of 4,500 ASF plus a rate of 1 to 3 ASF per FTE student over and above a total FTE of 5000. Based on the technological changes since this guideline was established, and the fact that central computer space tends to take up less room than in years past, the consultant chose to use 1 ASF per FTE student over 5000.

The University of Georgia

Technical Memorandum

Date: September 9, 1998

Project: University of Georgia Physical Master Plan

Subject: IV.C Parking Space Projections

From: Ayers/Saint/Gross and LRE Engineering, Inc.

To: University of Georgia

Architects and Campus Planners
Ayers/Saint/Gross
222 Saint Paul Place
Baltimore, MD 21202
410/347-8500
Fax 410/347-8519

Architecture and Engineering
Heery International
999 Peachtree Street, NE
Atlanta, GA 30367
404/881-9880
Fax 404/875-1283

Landscape Architecture
Hughes, Good, O'Leary & Ryan
1708 Peachtree Street, Suite 444
Atlanta, GA 30309
404/876-7726
Fax 404/876-6858

Traffic Engineering
LRE Engineering
1475 Peachtree Street, Suite 220
Atlanta, GA 30309
404/888-8800
Fax 404/876-7797

Academic Programming
Paulien & Associates
899 Logan Street, Suite 508
Denver, CO 80203-3156
303/832-3272
Fax 303/832-3380

The Future of parking at the University of Georgia is dependent on policies set by the UGA community. With the development of the Physical Master Plan, the University has the opportunity to take large steps toward minimizing traffic, and creating a more healthful, pedestrian friendly campus. This endeavor will require the development of new parking policies and an attitude of cooperation and excitement about the overall improvement of the campus environment.

1. FUTURE PARKING NEEDS

There are 17,333 parking spaces at the University of Georgia with about 15,500 parking spaces that currently serve the enrollment of 29,000 students. If that proportion of students to spaces were maintained in the proposed plan, we would need to provide 18,700 spaces for a total enrollment of 35,000 students.

2. LAND AREA REQUIRED FOR PARKING

A rough estimate of the area required to accommodate 18,700 spaces is around 6,545,000 SF, or about 150 acres of surface parking. With the construction of new parking decks, much of that surface parking could be contained in a smaller footprint, and more areas would remain for open space, building sites and agricultural land.

3. ALTERNATIVE PARKING AND TRAFFIC MANAGEMENT PRACTICES

It is recommended that the University conduct an in-depth traffic and parking study. The study should focus on identifying methods that could be incorporated into University policy to ensure a quality pedestrian environment and lessen the presence of vehicular traffic on campus.

Key elements to incorporate in the detailed study are as follows:

- Study the possibilities of closing or limiting vehicular access on interior campus streets.
- Provide parking decks along the periphery of campus and parking policies that would encourage people (if they must drive to campus) to park in one place and stay there for the duration of their campus visit.

- Study the types of parking policies that would provide a fair method of permit pricing (possibly modifying the current system based on the convenience or accessibility of decks) and facilitate the financing of the needed decks.
- Minimize the need for cars on campus
  1. Provide transit access to the peripheral nodes of parking and a bus loop system that maximizes the use of the outer streets and frees the interior of campus for safe and pleasant pedestrian and bike travel.
  2. Provide for more services on campus to minimize the need for cars, especially during the day.
  3. In support of the University's goal of increasing housing, explore the possibilities of giving students that live on campus the option of paying for parking near their dorm or parking their cars in a more remote lot for free.
  4. Make efforts to ensure regional cooperation so that the transit system will be as efficient as possible.
  5. Efforts should be made to support parking policies that encourage designated zone parking. This concept has already been introduced by parking services by the issuance of zoned residential permits. The zoning of permits would decrease traffic in and around campus by encouraging people to remain parked in one place for the day. This practice would support the proposed pedestrian, bike, and mass transit systems.

4. EXISTING PARKING CONFIGURATION

In Section III.A.5 a complete inventory of the University of Georgia parking lots was performed. One of the criteria of this inventory was to determine if the parking lots were configured for the greatest efficiency. For the most part, the configuration of existing parking lots was considered to be efficient although there were six exceptions where the layout was confusing. These lots were as follows: Lot 22-Veterinary Medicine, Lot 33-Stegeman Coliseum, Lot 36-Aderhold, Lot 44-Barrow, Lot 45- Connor, and Lot ll4-Ramsey Center.

Because one of the goals of the Master Plan is to provide for a more pedestrian campus and to push vehicles to the periphery of the campus, locating parking adjacent to individual uses is not always considered desirable. Under existing conditions, many of the parking areas are not located adjacent to the facilities they serve, although the locations of the lots are appropriate based on the constraints of the campus roadway system and building locations.

5. AVAILABLE OFF-CAMPUS LOCATIONS FOR PARKING

All of the future parking deck locations proposed for the campus are located on University of Georgia property. Because of the ability to locate parking structures on existing university property, potential off-campus lands suitable for university parking were not pursued in depth. There are two large leased lots on the North East corner of the campus that are essential in providing spaces for the North Campus area. Every effort should be made to secure the use of these lots in the future. The university is bounded by the City of Athens to the north, the North Oconee River to the east and a mixture of residential and commercial developments to the west. With these constraints on the north and east sides, the west is the most viable location to pursue off campus land for parking. However, the development of the Master

Plan determined that the most viable locations for additional parking were in fact on current university property.

6. CRITERIA FOR LOCATION SIZE AND TYPE OF PARKING FACILITY

The criteria for the location of new parking facilities dictates that these facilities be located on the periphery of the campus in order to remove internal traffic away from surface streets. Also, the decks should be accessible from a roadway classified as a collector street or higher and the parking facilities should be distributed about the campus in order to provide the appropriate number of spaces for each of the various sections of campus. As previously stated in paragraph 2 of this memorandum, parking decks are the recommended approach to providing additional parking, as opposed to surface lots, in order to increase parking density and maintain more space for building sites and open spaces. The size of parking will vary depending upon the location of the parking facility on the campus and the constraints of the site on which the facility is to be developed. For parking facilities used to service the general campus, student population etc., the minimum size should be in the range of 300 to 350 spaces. Smaller decks are appropriate for specific uses but the major decks needed to service the general university population should be larger.

The University of Georgia

T e c h n i c a l M e m o r a n d u m

Date: September 14, 1998

Project: University of Georgia Physical Master Plan

Subject: IV.E Campus Infrastructure Projections

From: Heery

To: Ayers/Saint/Gross

The following is the preliminary expansion of the Table of Contents for this Physical Master Plan per the Template from the Board of Regents. This addresses the preliminary approach to campus infrastructure projections phase of this project.

Architects and Campus Planners
Ayers/Saint/Gross
222 Saint Paul Place
Baltimore, MD 21202
410/347-8500
Fax 410/347-8519

Architecture and Engineering
Heery International
999 Peachtree Street, NE
Atlanta, GA 30367
404/881-9880
Fax 404/875-1283

Landscape Architecture
Hughes, Good, O'Leary & Ryan
1708 Peachtree Street, Suite 444
Atlanta, GA 30309
404/876-7726
Fax 404/876-6858

Traffic Engineering
LRE Engineering
1475 Peachtree Street, Suite 220
Atlanta, GA 30309
404/888-8800
Fax 404/876-7797

Academic Programming
Paulien & Associates
899 Logan Street, Suite 508
Denver, CO 80203-3156
303/832-3272
Fax 303/832-3380

TABLE OF CONTENTS

IV.E Campus Infrastructure

Future Requirements

a) Heating Utilities

The approximate 6,000,000 SF of conditioned space proposed on the main campus consists of 3,690,000 SF of new Academic space and 2,870,000 SF of new Housing space minus approximately 680,000 SF to be demolished. The projected heating load of this new space was estimated based on existing load densities per square foot for each type of facility served. Buildings in the south area of campus were assumed to be more energy intensive, science, lab and Veterinarian type of occupancy. Peak heating loads were estimated for each building at the following rates:

Housing:	25 BTU/ SF
Academic Buildings (North Campus):	25 BTU/SF
Academic Buildings (South Campus):	33 BTU/SF

Total projected additional heating needs totaled 175,000 MBH or over 5,200 boiler horsepower if provided by steam or hot water boilers.

b) Chilled Water Utilities

As with heating loads additional chilled water cooling loads were based on existing building loads. Dorm loads were increased slightly to address the increase in ventilation now required by code. As with heating buildings in the south areas of campus were assumed to be slightly more energy intensive. Additional peak cooling loads were estimated for each building at the following rates:

Housing:	500 SF/ TON
Academic Buildings (North Campus):	400 SF/ TON
Academic Buildings (South Campus):	250-350 SF/ TON

Total projected additional cooling needs totaled 17,800 tons.

Adequacy of Existing Facilities

a) Heating Utilities

Existing heating for the main campus is accomplished by a central steam plant with distribution and equipment 15 to 20 years old. As discussed in section III.B.1 this system is in need of upgrade and renovations. The steam condensate distribution is beginning to require leak repair in places as is typical of systems reaching this age. The high first cost, distribution energy losses, impact on landscaping and outcroppings of rock make an expanded existing or new steam plant an unlikely solution for the new building loads.

The existing steam plant capacity is near its capacity if a spare boiler is maintained for backup. Without a spare, nearly 65,000 MBH additional load could be carried - depending on location of new loads and adequacy of existing steam distribution lines. This would meet only about 1/3 of future growth needs.

The additional heating needs will not be met with the existing central steam plant. Proposed additions and existing campus square footage heating loads will be over 80% beyond the existing steam plant capacity.

b) Chilled Water Utilities

Most of the main campus is cooled with electric centrifugal chillers arranged in local distributed loops. These loops have been gradually built up over the

years by cross connecting existing chillers in individual buildings and locating a few new chillers in strategic locations. Most of the existing chillers are relatively new and in good condition. One large 1,300 ton steam absorption chiller would be removed when its building is scheduled for demolition as per the Master Plan. The existing chiller capacity and associated loops are:

2,300 tons of chillers not on loops
2,710 tons north loop chiller subtotal
1,740 tons other north loop area chillers with limited connections
2,550 tons central loop chiller subtotal
770 tons west dorm loop chiller subtotal
6,500 tons south loop chiller subtotal (minus 1,300 ton chiller)
1,550 tons vet school loop chiller subtotal
800 tons PVAC loop chiller subtotal
2,350 tons River Road Student Phys. Act. loop chiller subtotal

21,270 tons Total Existing Chiller capacity

Existing chiller capacity is limited for anything but very small additions. Typically new buildings with significant load must be provided with new stand alone chillers. The limited cross connect loops are not as flexible as central chilled water systems and can be difficult to operate and control in an efficient manner.

Proposed additions and existing campus square footage cooling loads will be twice the existing total chiller capacity.

Future Impacts of Facility Requirements

a) Heating Utilities

The existing steam heating plant will likely be gradually decommissioned over the next 15 to 20 years. Some outlying buildings have already begun to utilize natural gas in individual boilers installed with each building. While this provides efficient use of energy with high efficiency boilers and minimizes first cost it may limit the Universities future options should natural gas prices or supply fluctuate.

Existing buildings may be very difficult to retrofit with new gas hot water boilers due to limited space available for boiler rooms and flue piping.

An alternative recommended whenever building density allows is hot water circulated from Small Central Utility Buildings (SCUB). These plants would pump 180 degree F hot water only a limited distance to nearby buildings and yet still provide some of the flexibility of a central heating plant. This flexibility includes the ability to switch fuels when supply or price requires. Additionally the smaller low pressure hot water boilers will offer considerable maintenance reduction over existing high pressure steam boilers.

Most existing buildings now convert steam to hot water in each building. The hot water distribution system would tie into this existing building hot water distribution. Higher demand needs for domestic hot water should still be provided by individual gas hot water heaters in housing and dining buildings.

Lower pressure hot water plants would not require the same degree of maintenance and attendance now required by the existing steam boiler plant. In general hot water boilers and distribution have a much lower life cycle cost than steam distribution systems.

Hot water piping should parallel the routes of chilled water distribution piping discussed below. In the case of open space, “green” areas distribution routes should be planned in advance and conduit or small tunnels provided to minimize disturbance to permanent landscaping.

These SCUB's could be located and developed in at least eight locations across the main campus and would be tied into chilled water loops of a similar scale to the existing loops but with greater flexibility of operation and efficiency.

The following table IV.E.3-1 illustrates the possible arrangement of SCUB plants that would address the Master Plan square footage. Typically these plants would reach a maximum size of 40,000 to 60,000 MBH heating capacity (1,000 to 1,700 boiler horsepower total) with 3 or more boilers for load flexibilty and backup.

Existing buildings that now utilize steam would be gradually converted over to hot water as the central steam plant is decommissioned. Most buildings convert steam to hot water for internal heating distribution already. The new hot water connection would replace the existing steam to hot water convertor with a mixing and control valve.

b) Chilled Water Utilities

Chilled water capacity will be required by each new building since the existing chilled water loops are not flexible enough, nor do they have adequate capacity for anything above a small building addition.

As with heating utilities, chilled water would be more efficiently delivered from small central utility buildings or SCUB's strategically located across the main campus to minimize distances chilled water is pumped. These plants would typically build out to a maximum chiller capacity of 3,000 to 6,000 tons with 4 or more chillers sized to provide optimum load efficiency.

Chilled water SCUB plants may utilize existing building loops in order to make efficient use of existing chilled water distribution piping and minimize impact to landscaping.

The SCUB plants ideally would be located in or near then new parking garages or garage additions to increase maintenance access and to minimize noise and cooling tower vapor in the campus core.

Unlike most of the existing chilled water loops the SCUB plants could utilize variable speed chilled water pumping to reduce pumping and operating costs during mild cooling weather.

SCUB plants would almost always include both chillers and hot water boilers. Chilled and hot water piping distribution would be parallel to buildings served. Laboratory buildings or other buildings with high outside ventilation rates requiring reheat along with dehumidification would be prime candidates for engine driven chillers that would produce 180 degree hot water while simultaneously producing chilled.water.

Table IV.E.3 -1
Projected Heating and Cooling Loads for Each Sub Central Utility Building (SCUB)

SCUB Plant Number / SCUB Location	**1** North Campus	**2** North Central Campus	**3** West Campus (Dorms)	**4** Central Campus (Science)	**5** Southwest Central Campus	**6** Southeast Central Campus	**7** South Campus (Vet School)	**8** River Road Campus	Total All SCUB Plants
Corresponds to ASG Precinct: Existing Chilled Water Loop	N North Loop	C none	W West Campus	S Science Loop	S South Campus Loop	S South Campus Loop	LW Vet School Loop	LS Student Act / PTAC Loops	
COOLING LOADS									
Existing Academic Tons	3,460	1,755	-	2,755	2,253	2,866	2,519	1,320	16,928
Existing Housing Tons	26	336	780	-	509	-	164	-	1,814
Existing Total (after demo) Tons	3,485	2,091	780	2,755	2,762	2,866	2,683	1,320	18,742
New Academic Tons	343	1,049	469	837	1,153	2,994	2,009	2,721	11,576
New Housing Tons	1,006	484	1,628	1,030	318	472	144	1,137	6,219
New Total Loads Tons	1,348	1,533	2,098	1,867	1,472	3,466	2,153	3,858	17,795
Total Plant Build out Tons	**4,834**	**3,624**	**2,877**	**4,622**	**4,234**	**6,332**	**4,836**	**5,178**	**36,537**
HEATING LOADS									
Existing Academic MBH Loads	34,730	15,676	21,052	21,052	20,669	23,008	21,108	11,653	168,948
Existing Housing MBH Loads	257	3,356	12,875	12,875	5,094	-	2,048	-	36,504
Existing Total (after demo) MBH Loads	34,986	19,031	33,927	33,927	25,762	23,008	23,156	11,653	205,452
New Academic MBH Loads	3,425	10,493	3,290	8,373	11,533	29,940	20,093	27,207	114,355
New Housing MBH Loads	12,570	6,050	15,648	-	3,980	5,895	1,800	14,215	60,158
New Total Loads MBH Loads	15,995	16,543	18,938	8,373	15,513	35,835	21,893	41,422	174,513
Total Plant Build out MBH output	50,981	35,575	52,866	42,301	41,276	58,843	45,050	53,074	379,965
Total Plant Build out (Boiler H.P.)	**1,523**	**1,063**	**1,579**	**1,263**	**1,233**	**1,758**	**1,346**	**1,585**	**11,349**
Total Existing & New Square Feet Served	2,039,248	1,799,568	1,454,639	1,608,299	1,582,393	2,054,305	1,750,091	1,856,762	14,145,305

Timing or Phasing Requirements

a&b) Heating and Chilled Water Utilities

Ideally SCUB plants could be built from the chiller, boiler, mechanical room budgets included in each new building. The final location and logistics of phasing in each building should be studied in more detail. Life Cycle cost studies of SCUB hot water and chiller plants compared against individual gas boilers and electric chillers in each building should be used to verify the concept.

The optimum time for siting a SCUB plant is planned with a major construction project such as parking garages or new housing construction.

Routing of new chilled water and hot water distribution lines should be planned in advance in order to provide minimal disruption into the open green spaces addressed in this master plan. Where possible empty conduits could be provided in short lengths for future piping runs.

Locations and Configuration of Future Facilities

a&b) Heating and Chilled Water Utilities

See Table IV.E.3-1 and the proposed map in VI.E.a&b of this Master Plan.

c) Potable Water

The University of Georgia supplies both potable and fire protection water to the main campus via a water distribution system. Athens/Clarke County owns and operates a large portion of the water distribution system. It is the intent of the University to relinquish all responsibilities of the water distribution system to Athens/Clarke County

The Athens/Clarke County Water Treatment Facility permitted capacity is 28 MGD. The facility generates between 23 and 24 MGD in an effort to supply water to University of Georgia and county customers. The county plans to expand the existing facility to generate 32 MGD by the year 2001. Currently the University of Georgia consumes annually 1,785 million gallons of water.

The Master Plan recommends the construction of several new buildings throughout the campus. Providing services to these newly constructed facilities will require connecting to the existing water systems. Additional fire hydrants and water valves are shown on the plans to provide the necessary fire protection for each building.

Athens/Clarke County Water Treatment Facility currently supplies water to the campus. These new additions to the existing water systems must meet the following minimum codes:

A separate line shall be provided for both the fire protection and domestic water line.

A double detector check valve assembly shall be provided on the fire supply line if it is located in a vault at the connection to the public water system.

A reduced pressure zone backflow preventer shall be placed on the potable water supply line.

Services to all newly constructed buildings will be connected to the existing water system. The capacity of the existing system should be upgraded to handle the additional demands placed on the system due to the new building construction.

d) Sanitary Sewer

Athens/Clarke County owns and maintains the main sanitary sewer collection system located on the University of Georgia Campus. The sanitary sewer lines serving the North and East campus quadrangles are owned and serviced by the University maintenance staff. Several new buildings will be located along Lumkpin Street where a major distribution line is located. This line will continue to provide services to existing buildings as well as offer services to the new buildings. The capacity and condition of the existing line should be closely examined as the new buildings are brought on line. As the sanitary sewer line proceeds towards the North Oconee Plant, it will become necessary to increase the pipe size along Lumpkin Street to handle the existing and proposed development. The existing system consists of terra cotta (vitrified clay) and ductile iron pipe on the older sections. When the existing system was upgraded the newer lines used concrete truss pipe for sizes up to 12 inches in diameter. Ductile iron pipe was used to replace the larger pipes. The same criteria should be used to replace and upgrade the sanitary sewer system as the university expands. The capacity of the existing pipes appears to be adequate to handle the present conditions of the line. As the University prepares to increase its population the additional demands placed on system will also increase.

The quantity and flow patterns of domestic sewage are affected principally by population and population increase; population density and density change; water use; water demand, and water consumption; industrial requirements; commercial requirements; expansion of service geographically; groundwater geology of the area; and topography of the area. In order to accommodate the projected sanitary loads, the estimate may be based on the gcd of water being consumed by an existing similar community. Sewage flow can range between 70% to 130% of water consumption.

Reports of infiltration are minimum on the sanitary line at this point. Water may infiltrate sewer lines through poor joints, cracked pipes, walls of manholes, or perforated manhole covers. Infiltration increases the sewage load.

Most proposed buildings are located in areas where sanitary sewer lines are located. There are areas where the sanitary line will need to be extended in order to tie into existing sanitary lines. Additional manholes are shown on the plans every 300 foot to provide access to the lines for maintenance. Once the buildings are defined and the intended use is determined a more intensive evaluation will need to be conducted on the capacity of the line.

Waste water from the University of Georgia is treated at the North Oconee Plant that is owned and operated by Athens/Clarke County. Athens/Clarke County has plans to upgrade the North Oconee Plant. The permitted capacity of the plant is 10 MGD. Currently the campus produces 1.2 MGD of waste water. In an effort to eliminate odor and filtration problems the county has plans to upgrade the plant by the year 2006.

To handle excessive discharge from the Animal Science Complex a pre-treatment system was constructed. This facility should be monitored by the University to prevent future violations of the Athens/Clarke County codes for BOD and suspended solids limits.

The addition of grease traps to the existing sanitary system would help facilitate the removal of suspended grease from the sanitary effluent.

e) Gas

The University of Georgia is divided into two service areas, North and South campus, which supply natural gas to the campus. Sanford Stadium represents the physical boundary line between the two areas.

The North Campus service area is currently being operated and maintained by the Atlanta Gas Light Company. Approximately two years ago Atlanta

Gas Light undertook a program to replace existing cast iron mains with polyethylene pipes. Some areas on campus have reported distribution pressure to be approximately 100 psi, while other areas are supplied with 60 psi of pressure. Each building service entrance is furnished with meters and regulators.

The University owns and operates the natural gas to South Campus. Atlanta Gas Light provides 100 psi to the main distribution line via a master meter. The pressure is reduced to 12 psi at the meter station. The operating pressure for the site mains and building branch lines is 12 psi. The pressure inside each building is reduced by regulators.

The current piping materials used in both systems are either black steel or polyethylene. A 14-16 gauge tracer wire is provided with the polyethylene piping for utility location purposes. Two types of cathodic protection are provided for the black steel piping for various locations throughout the system.

In the proposed location of several new buildings there are no gas services or gas lines provided for the proposed structures. Therefore it is recommended that new gas loops and additional gas lines are added to existing gas lines to supply natural gas service to new buildings and accommodate the growth. If the intent of the University is to supply natural gas throughout the campus then this plan will accommodate their needs.

f) Electrical Infrastructure

f.1 Future Requirements

Section III described the existing electrical utilities. This section provides the Campus Infrastructure Projections as they are applicable to the planning objectives described in the "Future Campus Requirements" study (Paulien & Associates).

As identified previously, the campus electrical demand growth has not been as projected at 2% mainly due to aggressive energy conservation measures by the UGA operations and maintenance groups and by energizing of some load blocks directly from the Georgia Power distribution system, thereby not totalizing to the master UGA power meter.

Attached is the latest campus **MW** demand information available, along with the future projections.

The configuration of the analysis will be per the following criteria:

f.1.a. Existing facility demand load projections will be based on a 1% per year increase. This component of the demand projection will not consider any increases due to new construction:

*Basis: No new buildings on-line **Existing Building Megawatt Demand Growth** Table 1

Fiscal Year (Jul-Jun)	Actual	Projected in 1993	1998 Projections 15 Year @ 1% Growth*	1998 Projections 20 Year @ 1% Growth*
1994	30.5	35.5		
1995	32.7	37.02		
1996	34.5	39.54		
1997	33.9	40.86		
1998	34.7	45.01		
1999			35.0	35.0
2000			35.4	35.4
2001			35.8	35.8
2002			36.1	36.1
2003			36.5	36.5
2004			36.8	36.8
2005			37.2	37.2
2006			37.6	37.6
2007			38.0	38.0
2008			38.3	38.3
2009			38.7	38.7
2010			39.1	39.1
2011			39.5	39.5
2012			39.9	39.9
2013			40.3	40.3
2014				40.7
2015				41.1
2016				41.5
2017				41.9
2018				42.3

f.1.b The demand MW growth impact due to new buildings will be based on the following increases in square footage:

New Building Scheduled Impact
Per Information From Study By Paulien & Associates, Inc.
Study through year 2007 Table 2

Year	2002	2007
Personnel:		
Students	32,500	35,000
Faculty & Staff	8,796	9,428
Totals	**41,296**	**44,428**
Space Requirements (SF): In addition to present		
Housing	1,980,000	2,200,000
Academic	1,475,135	1,870,874
Parking Deck/Lot	735,000	1,250,000
Totals	**4,190,135**	**5,320,874**

Over-all (Paulien)	**9,511,009**

Proposed SF:	**10,628,630**

Balance	**1,117,621**	After 2007

f.1.c Considering the impact of the above expansion program the loads were calculated on the basis of 5.7 VA/SF for all new building square footage. The tabulation utilizes a load factor of .65 to account for the non-coincident nature of the Housing and Academic loads. Whereby the total demand load will not reflect both loads occurring at the substation at the same time.

The tabulation includes a 1% load growth allocated to the **new** building demands as they are scheduled on-line throughout different time periods.

f.1.d In summary the following **MW** demand impacts are projected: (See table 1 for existing, and table 3 for combined load data)

No new buildings (1% growth of existing loads)		**Existing +New +1% growth of both**
Year	**MW**	**MW**
2002	36.1	47.5
2007	38.0	66.6

These projections reflect the **MW** load which in turn projects the financial impact of the growth program, or the power billing. In order

to determine the impact of the program on the electrical power infrastructure, the projections need to be reflected in **MVA** (Megavolt Amperes). The conversion requires application of .85 power factor. The following table outlines the electrical **MVA** power load impact to the infrastructure:
(See table 3 for complete data)

No new buildings (1% growth of existing loads)		Existing +New +1% growth of both
Year	**MVA**	**MVA**
2002	42.5	56.
2007	44.7	78.3

f.2 Adequacy of existing facilities

These projections indicate the need for additional capital and equipment commitments in order to meet not only the present growth pattern (ignoring new buildings). It also indicates that the impact of the proposed growth plan will create a need for funding to be allocated to accommodate the electrical infrastructure required created by such growth. Of more immediate impact will be the addition of a third transformer to the existing substation. Presently, the total capacity of the existing transformers is 45 MVA. At this moment the present demand exceeds 34.7 MW which directly translates to 40.8 MVA. Today's reserve margin is 4.2 MVA. This reserve margin amounts to approximately 9.33 %. Typical reserve margins range from 20-33% for commercial and institutional loads. Data center and critical facilities maintain 100% reserve margins. Therefore, as has been mentioned earlier the need for a third transformer is a reality at this time. This third transformer would be able to sustain load growth until the year 2018 if no new buildings were added and demand were growing at 1% per year. In this event the reserve margin would be at or above 33% until the year 2018.

f.3 Future impact of new facilities

Given the new building growth projections, the impact of the program will create a need for a new electrical substation by the year 2007, when demand is expected to expand from 73.8 to 78.3 MVA, exceeding the three transformer capacities. Under this scenario, by the year 2003, reserve capacity will be under 15%. These numbers could vary greatly and the infrastructure need would be different, if the expansion program were not as contemplated.

The immediate investment contemplated for the third substation transformer is estimated at $750,000.

The investment required to accommodate the new program will consist of a second substation as well as additional ductbank and cabling required to add approximately fifteen (15) new 12,470 V ductbank distribution circuits to the existing Campus. Of these circuits, five (5) are currently in the planning stage. Ten (10) additional circuits will need to be located throughout campus.

At least five (5) additional ductbank routes will be needed for standby-emergency power should the University decide that centralization of standby power capacity is to be funded.

A new site will need to be reserved for a second substation.

Following in the next page is a detailed tabulation of the above demand growth projections:

Existing Plus New Building MW and MVA Demand Growth Table 3

Fiscal Year (Jul-Jun)	1998 Projections 20 Year MW @ 1% Growth*	Estimated New Building Demand MW Impact	Total Expected MW Load for Existing Substation	MVA Substation Load
1994				
1995				
1996				
1997				
1998				
1999	35.0	1.8	36.2	42.6
2000	35.4	5.1	40.0	47.0
2001	35.8	5.1	43.7	51.4
2002	36.1	5.1	47.5	55.9
2003	36.5	5.2	51.3	60.3
2004	36.8	5.2	55.1	64.8
2005	37.2	5.2	58.9	69.3
2006	37.6	5.2	62.7	73.8
2007	38.0	5.2	66.6	78.3
2008	38.3	0.8	67.3	79.1
2009	38.7	0.8	68.0	79.9
2010	39.1	0.8	68.7	80.8
2011	39.5	0.8	69.4	81.6
2012	39.9	0.8	70.1	82.4
2013	40.3	0.8	70.8	83.3
2014	40.7	0.8	71.5	84.1
2015	41.1	0.8	72.2	84.9
2016	41.5	0.8	72.9	85.8
2017	41.9	0.8	73.6	86.6
2018	42.3	0.8	74.3	87.4

f.4 Locational requirements

No locational or additional campus space requirements are needed with the third substation transformer.

It is recommended that the additional ductbank locations be coordinated within the new program green area-landscaping plan.

The second substation impact will be financial as well as geographic since an adequate location or site needs to be allocated to accommodate this equipment. The present substation occupies approximately 45,000 SF. of space. It is projected that a second substation will require approximately the same space.

Several locations can provide an option for the location of this substation by minimizing the impact on the campus aesthetics as well as the neighboring, privately owned properties:

Reserve a space near the Chicopee complex.

Locate in the Lower South and East campus.

f.5 Standby Power requirements

The following describes the need for standby power throughout the campus. Cogeneration is not considered since this option had been studied previously, however, with the increases in research facilities and networking capabilities, the University could experience the necessity to increase its standby power capacity in order to provide protection to critical research, academic, and computer loads.

This protection could take the form of UPS as well as generation capacity. UPS capacity can be provided locally, per facility, on an as-needed basis. UPS units provide back up power for a very limited time. Generators will be needed in order to sustain life safety and longer power outage occurrences.

It is recommended that a decentralized, area location approach be implemented for the generators, coordinated with the need for a similar Heating Ventilating and Air Conditioning strategy. This semi-centralized standby power capacity approach would be a recommended option to the University in lieu of providing emergency or standby power at the time each new facility is added, or providing one large standby generator plant.

These standby power and life safety needs per building have been projected at 1 VA/SF of the total existing and future academic square footage of the Campus.

The standby power capacity has been allocated by areas, in order to provide an alternative to building specific units as each new building is constructed. This tabulation serves to compare as well to the alternative of one large generating station.

The areas selected were:
North Campus
Central Campus
West Campus
South Campus
Lower East and East Campus
Lower West Campus

Following is a tabulation of the projected requirements:

Table 4

Standby Power Requirements (Incl. Existg. & Proposed Bldgs.)*					
No.	***Area***	***SF***	***VA/SF***	***Required kVA***	**Select:**
1	North Campus	1,659,936	1	1660	1- 1500 KW 12,470 V. Generators
2	Central Campus	1,443,517	1	1444	1-1500 KW 12,470 V Generator
3	West Campus	210,263	1	210	Served from South Campus
4	South Campus	4,099,189	1	4099	3-1500 KW 12,470 V Generators
5	Lower South & East Campus	3,064,424	1	3064	3-1500 KW 12,470 V Generators
6	Lower West Campus	685,965	1	686	Served from LS &E Campus
		11,163,294		11,163	

* This is not intended for cogeneration. Should cogeneration be necessary, future investment in controls and protection circuitry could allow that option.

The above table reflects the projected generating capacity for the selected regions. It is recommended that the location of these units be coordinated with the construction of new parking deck facilities such as to accommodate the space requirements of both within the same area. Should the option of a large unit be considered, it would be feasible to locate at the Chicopee Complex, near the second electrical substation area.

g) Stormwater

There are four major drainage basins that collect stormwater runoff from the main campus of the University of Georgia.

The easternmost basin contains the North Campus quadrangle and the Milledge Hall/ Payne Hall quadrangle. This basin discharges stormwater directly into the north fork of the Oconee River.

The Tanyard Creek drainage basin covers the eastern half of the North Campus and a large part of the Central Campus. Tanyard Creek also drains a portion of the City of Athens from Milledge Avenue east to the Main Campus. New building construction in this area does not increase the impervious area

The southeastern basin encompasses the South Campus and the recently developed East Campus. The stormwater flows into an unnamed creek. This basin includes portions of the City of Athens as far west as the intersection of Lumpkin Street, Milledge Avenue, and Milledge Circle.

The southernmost basin includes the remaining areas of the South Campus. Stormwater in this basin currently flow into Lake Herrick. Lake Herrick provides minimal stormwater detention.

The master plan recommends that many of the new buildings should be constructed on existing parking lots. Taking this approach minimizes the impact to impervious areas. Currently there are several parking lots on the campus. The stormwater runoff from these lots is being handled by a

combination of drains and pipes. A stormwater management plan is currently not in place at the University. As new buildings are added to the campus the storm sewers in that area have been either upgraded or replaced with a new stormwater infrastructure. As long as new buildings are constructed on existing parking lots, the need to provide regional detention is minimum. However, once green spaces (pervious areas) are converted to hardscape (impervious areas) the stormwater runoff will be increased. The amount will depend on how much pervious areas are eliminated.

The information provided for the stormwater infrastructure was very minimum. An intensive hydrology study should be conducted to evaluate the existing storm sewer system. This study should include assessing the physical condition of the pipeline and capacity upgrade system as recommended by the report.

h) Communications Infrastructure

h.1 Future Requirements

Voice

There are five Campus Communications hubs with the AT&T Definity Generic 2, PBX switches. The current Master Plan expansion program will create a need for the addition of new switch sites as needed. The existing communications ductwork has the capability for additional growth. As switch sites are added, more supporting equipment will be added to the Ramsey Center Central facility.

Any new buildings should be designed to be provided with cabling that connects to the nearest switch site.

The increased number of users and facilities will create a need to add more numbers with the possibility of different multi-prefix digits in order to accommodate the growth.

Data Distribution

At present the University of Georgia has initiated a Data and Communications Network implementation plan based on a study by IBM Corporation in September 1997. The plan developed by this study has been identified as Project “VENUS” for Virtual Electronic Network For University Services. This project intends to create a fiber optic network infrastructure to connect approximately 200 buildings over an Asynchronous Transfer Mode (ATM) backbone.

The total number of network attached devices is presently estimated to be approximately eight thousand. The project VENUS study estimated a system growth up to twelve thousand network devices.

The study and project mentioned above is currently being implemented. With further centralized funding, planning, and implementation efforts, it is envisioned that the VENUS project will provide an excellent academic payback for the University System.

The network topology described by the study proposed a matrix backbone with starred connections for clustered buildings. Each connection could be assumed to be a network switch. A total of twelve buildings were assigned to each switch node.

The VENUS Project has been designed for future growth by nature of its modular structure approach, the same pattern should be applied to the new expansion program such that the network topology and redundancy presently contemplated are maintained.

The University of Georgia

Technical Memorandum

Date 7/27/98

Project University of Georgia Physical Master Plan

Subject Proposed Land Acquisition / Disposition (Section IV F)

From Ayers / Saint / Gross

To University of Georgia

Architects and Campus Planners
Ayers/Saint/Gross
222 Saint Paul Place
Baltimore, MD 21202
410/347-8500
Fax 410/347-8519

Architecture and Engineering
Heery International
999 Peachtree Street, NE
Atlanta, GA 30367
404/881-9880
Fax 404/875-1283

Landscape Architecture
Hughes, Good, O'Leary & Ryan
1708 Peachtree Street, Suite 444
Atlanta, GA 30309
404/876-7726
Fax 404/876-6858

Traffic Engineering
LRE Engineering
1475 Peachtree Street, Suite 220
Atlanta, GA 30309
404/888-8800
Fax 404/876-7797

Academic Programming
Paulien & Associates
899 Logan Street, Suite 508
Denver, CO 80203-3156
303/832-3272
Fax 303/832-3380

The University of Georgia's long and narrow physical layout echoes the time when the current North and South parts of campus were two individual campuses. North Campus was the original Franklin College of Arts and Sciences, and in the 1920's the South Campus area became the home for the State Agricultural School. The eventual linkage of the two campuses created the long and narrow form that exists today. The distance between North and South Campus creates a difficult environment for many elements of circulation but creates particular hardships for pedestrians.

1. Class Change Time

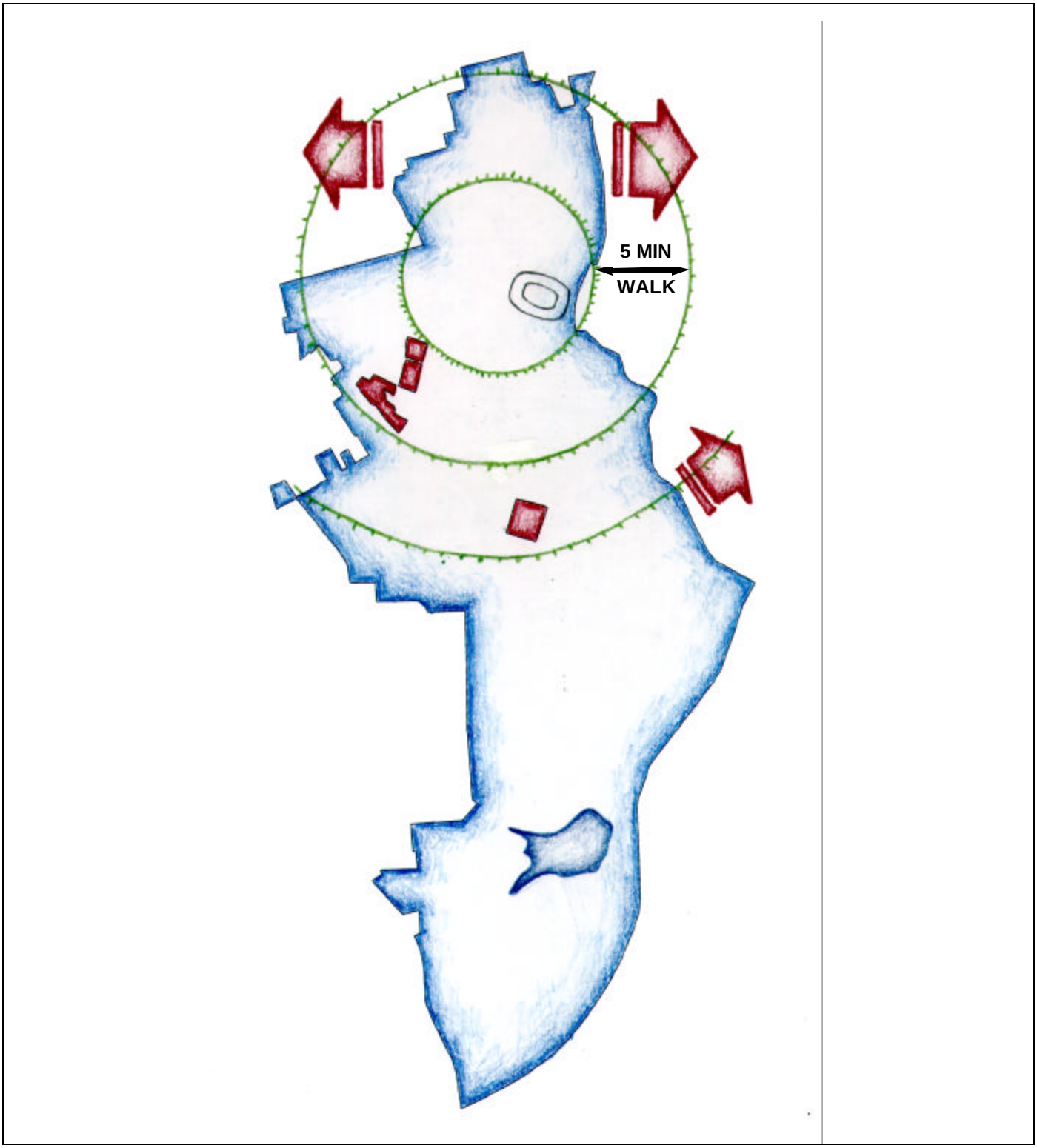
The long walking distance necessitates longer class change times. If the campus were to expand to the east and/or west like disciplines could be located within a closer proximity to one another.

2. Growth Potential

The growth potential for many different disciplines in the North Campus area is landlocked because of its long and narrow character.

3. Balance of Buildings and Open Space

Future expansion could also help provide the land area needed for a balance of buildings and open space on campus. If the current ratio of buildings to open space on North Campus is used as the touchstone for the rest of campus, there are many opportunities for infill on South Campus, but the land area of North Campus has reached its capacity of development. Eastward and Westward expansion could provide many opportunities for North Campus growth, not only in academic space but housing and student services as well.



7/27/98

Legend

UGA Property Line

Areas of Desired Expansion

Proposed Land Acquisition/ Disposition

The University of Georgia Physical Master Plan

Figure IV F 1