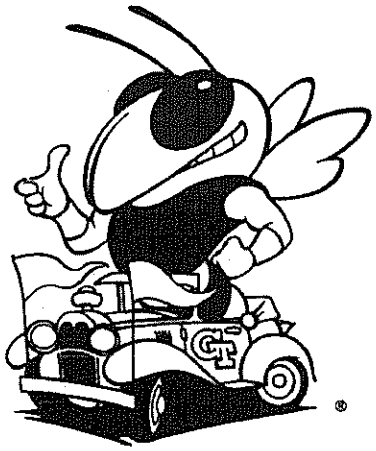
Georgia Tech

1997 Fact Book

Georgia Institute of Technology



Fact Book
1997

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Fact Book 1997

Office of Institutional Research and Planning
Georgia Institute of Technology

PREFACE

The Office of Institutional Research and Planning (IRP) is responsible for the development and maintenance of data resources to support the Georgia Tech community in strategic planning and policy-making processes. We are pleased to fulfill a portion of our mission with the 1997 Georgia Tech Fact Book. This publication was piloted in 1979 and is produced annually to serve the information needs of our internal constituents.

This edition captures student information through Fall Quarter 1997 and fiscal year data through June 30, 1997. Some data sets show trends for ten years from 1988 through 1997 while others cover a five year period or provide the latest year's update. Sources for the data and information are shown in the lower left hand corner of each page. It is assumed that the data provided by the source offices are recent and accurate. You may wish to contact the source office directly if additional information is required. Pages without a source listing were prepared by the IRP staff.

The Fact Book is once again available in an electronic format and you are encouraged to visit the IRP home page at **http://www.irp.gatech.edu**. We invite your comments regarding the 1997 Fact Book and welcome suggestions for future editions. Your continued interest and support are appreciated.

Sandi Bramblett
Acting Director
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Georgia Tech is an equal employment/education opportunity institution.

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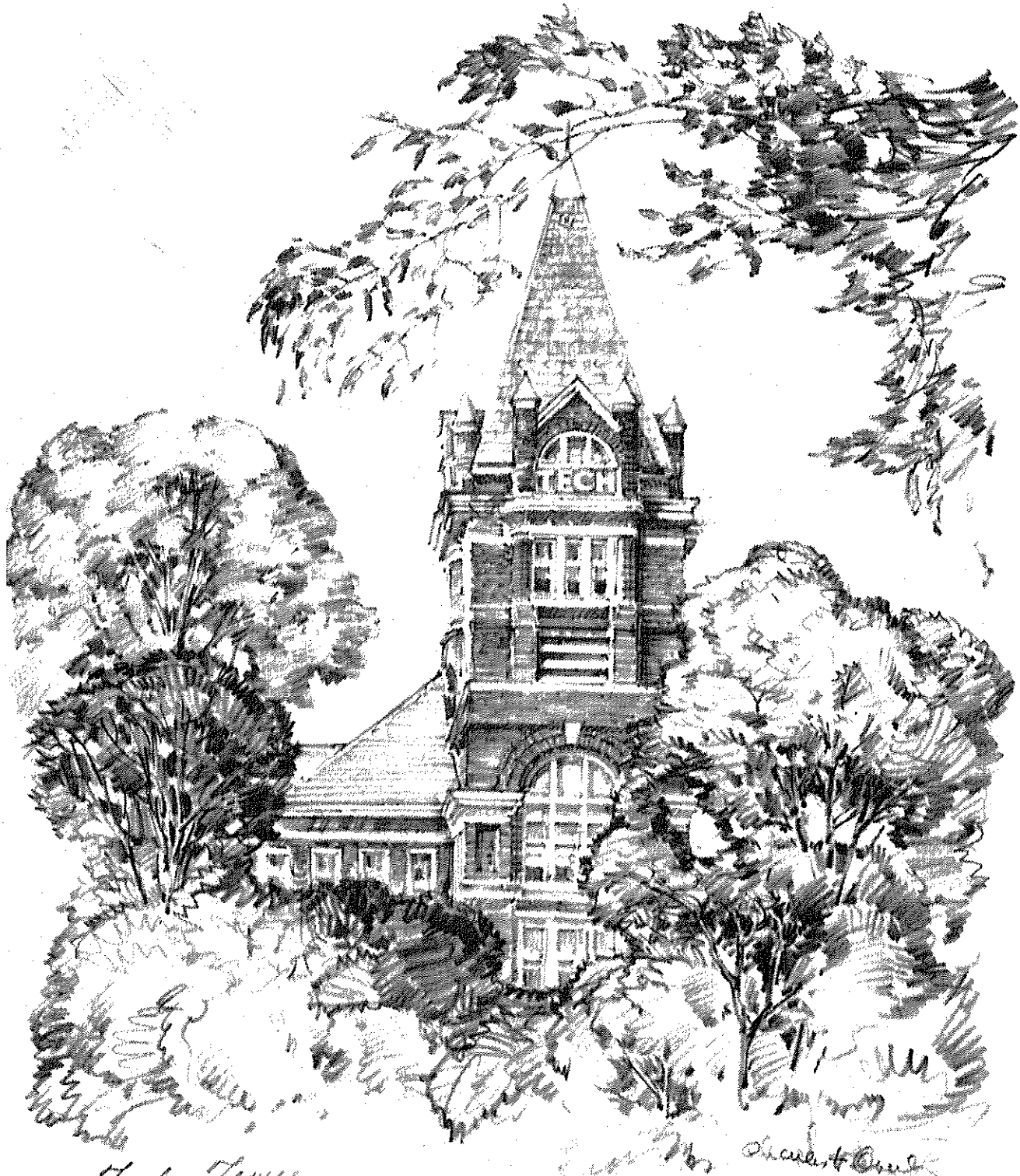


Tech Tower
Georgia Institute of Technology Atlanta, Georgia

Introduction

Georgia Institute of Technology

QUICK FACTS

The Georgia School of Technology

- The Georgia School of Technology opened for classes October 8, 1888
- 129 students were registered to work towards the first degree offered, the Bachelor of Science in Mechanical Engineering
- The first Academic building was the distinctive Tech Tower
- The Georgia School of Technology's first staff and faculty included five professors and five shop supervisors
- The first official motto was, "To Know, To Do, To Be"
- *The Technologian*, the first student publication, appeared March 1891
- In 1903, John Heisman became Tech's first full-time football coach

The Georgia Institute of Technology

- In 1948, the Board of Regents authorized The Georgia School of Technology to be renamed The Georgia Institute of Technology
- The first women students enrolled fall quarter 1952
- Institutional Accreditation is by the Southern Association of Colleges and Schools
- Professional Accreditations:

  Accreditation Board for Engineering and Technology
  American Assembly of Collegiate Schools of Business
  American Chemical Society
  Computing Sciences Accreditation Board
  Human Factors Society
  National Architectural Accrediting Board
  Planning Accreditation Board

- Georgia Tech currently operates on the quarter system but will convert to the semester system beginning Fall 1999
- Georgia Tech offers educational opportunities from 33 schools and colleges
- Degrees are offered in the following:

  College of Architecture
  College of Computing
  College of Engineering
  Ivan Allen College of Management, Policy and International Affairs
  College of Sciences

Georgia Tech National Rankings

Georgia Tech's Graduate School of Engineering ranked 5th in the nation by U. S. News and World Report. In the area of graduate engineering specialties, Georgia Tech was ranked among the best by engineering-school deans in the U.S. News reputational survey. Specific graduate programs ranked in the top ten include:

1st in Industrial/Manufacturing Engineering
5th in Aerospace Engineering
7th in Mechanical Engineering
9th in Civil Engineering
10th in Environmental Engineering
10th in Biomedical Engineering
10th in Electrical Engineering

Money Magazine's "Best Value Rankings" lists Georgia Tech as second among scientific and technology schools and the 15th "Best Buy" nationally.

The Gourman Report ranks Georgia Tech's Industrial Design Program in the College of Architecture 1st in the nation. The College's Graduate City Planning Program is ranked 2nd nationally by the same publication.

The National Science Foundation ranks Georgia Tech 8th in industry sponsored research.

Black Issues in Higher Education ranks Georgia Tech 1st in the number of doctoral and master's degrees in engineering/computer science/ mathematics conferred to African Americans.

The American Association of Engineering Societies has ranked Georgia Tech 1st in the number of graduate degrees awarded to African Americans in engineering; 1st in the number of degrees awarded to women in engineering and 2nd in total number of engineering degrees awarded African Americans.

The Georgia Tech Co-op Program is the largest voluntary program of its kind in the nation.

THE GEORGIA TECH VISION/MISSION STATEMENTS
Adopted in 1995

THE VISION

Georgia Tech will be a leader among those few technological universities whose alumni, faculty, students, and staff define, expand, and communicate the frontiers of knowledge and innovation. Georgia Tech seeks to create an enriched, more prosperous, and sustainable society for the citizens of Georgia, the nation, and the world.

THE MISSION

The Georgia Institute of Technology has a unique statewide obligation for education in engineering and architecture and special responsibilities in computing, management, the sciences, and technological aspects of humanities and social sciences.

Georgia Tech seeks and nurtures students of extraordinary motivation and ability and prepares them for lifelong learning and leadership in a world that is increasingly dependent on technology. The Institute maintains a faculty of exceptional talent, a relevant and rigorous curriculum, facilities that support outstanding achievement, and a continuing commitment to excellence supported by a tradition of practicality, integrity, loyalty, and fair play.

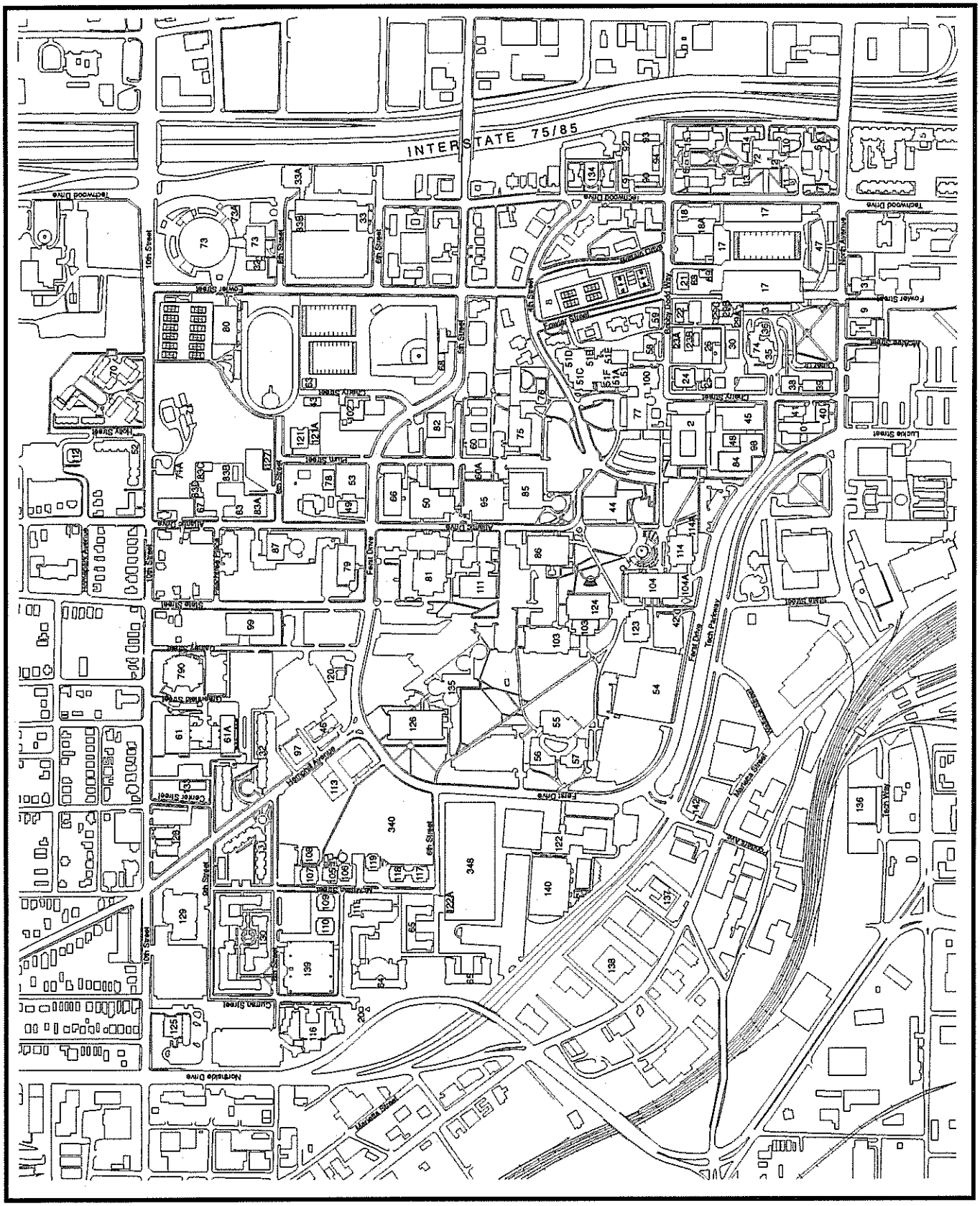
Georgia Tech is a leading center for research and technological development that continually seeks opportunities to advance society and the global economic competitiveness of Georgia and the nation. Georgia Tech's founding spirit of entrepreneurship sustains a focus on the application of engineering, science, and technology to the creation of meaningful new ideas, methods, and opportunities. The Institute maintains beneficial partnerships with public and private sectors in education, research, and technology to assure the benefits of discovery are widely disseminated and utilized.

Georgia Tech pursues its educational vision with the highest respect for the personal and intellectual rights of every member of its diverse community. In turn, the Institute expects excellence from each individual, an ethical and well-managed administration, and wise and effective use of its entrusted resources.

Source: Office of the President

CAMPUS MAP

Fig. 1.1 Campus Map



Source: Office of Capital and Space Planning

CAMPUS MAP

Fig. 1.1 Campus Map–*Continued*

Buildings by Name

190 BOBBY DODD WAY	21
490 TENTH STREET, N.W.	128
500 TECH PARKWAY	142
811 MARIETTA STREET	138
ADMINISTRATION BUILDING	35
ADVANCED TECHNOLOGY DEVELOPMENT CENTER NORTH	61
ADVANCED TECHNOLOGY DEVELOPMENT CENTER SOUTH	61A
AEROSPACE COMBUSTION LABORATORY	102
AJAX, FRED W. BUILDING	97
ALEXANDER MEMORIAL COLISEUM ANNEX	73
ALEXANDER, WILLIAM A. MEMORIAL COLISEUM AT MCDONALDS CENTER	73
AMPHITHEATER	351
AQUATIC CENTER	140
ARMSTRONG, ARTHUR H. RESIDENCE HALL	108
ARMY ARMORY	23B
ARMY OFFICE	23A
ATHLETIC ASSOCIATION ANNEX	89
ATHLETIC ASSOCIATION CONFERENCE ROOM	88
BAKER, HARRY L. BUILDING	99
BERINGAUSE, GARY F. BUILDING	46
BILL MOORE STUDENT SUCCESS CENTER	31
BOBBY DODD STADIUM AT GRANT FIELD	17
BOGGS, GILBERT HILLHOUSE BUILDING	103
BRADLEY, W.C. & SARAH BUILDING	74
BRITTAIN, MARION L. "T" ROOM ADDITION	72
BRITTAIN, MARION L. DINING HALL	12
BROWN, JULIUS RESIDENCE HALL	7
BUILDING 049A, B,F, G, H, J, K	49
BUILDING 078A, D. E. H RESEARCH AREA 2	78
BUNGER-HENRY BUILDING (HAROLD BUNGER & A.V. HENRY)	86
BURGE PARKING DECK	9
BURGE, FLIPPEN D. APARTMENTS	1
CALCULATOR ADDITION	51E
CALCULATOR BUILDING	51B
CALDWELL, HUGH H. RESIDENCE HALL	109
CALLAWAY, III FULLER E. STUDENT ATHLETIC COMPLEX	122
CALLAWAY, JR. FULLER E. MANUFACTURING RESEARCH CENTER	126
CALLAWAY, SR. FULLER E. APARTMENTS	70
CARNEGIE, ANDREW BUILDING	36
CENTENNIAL RESEARCH BUILDING	790
CENTER STREET APARTMENTS	132
CENTRAL RECEIVING - PROPERTY CONTROL	113
CHANDLER, RUSS STADIUM	68
CHAPIN, LLOYD W. BUILDING	25
CIVIL ENGINEERING LABORATORY	53
CIVIL ENGINEERING, (OLD)	58
CLOUDMAN, JOSIAH RESIDENCE HALL	13
COLLEGE OF ARCHITECTURE	76
COLLEGE OF ARCHITECTURE, ADDITION	75
COLLEGE OF COMPUTING BUILDING	50
COMMANDER, ROBERT C. BUILDING	105
COON, JOHN SAYLOR BUILDING	45
COUCH BUILDING	115
CROSLAND, DOROTHY M. TOWER	100
CURRAN STREET PARKING DECK	139
DANIEL LAB ADDITION	22A
DANIEL, J.L. LABORATORY	22
EDGE, ARTHUR B. INTERCOLLEGIATE ATHLETIC CENTER	18
EIGHTH STREET APARTMENTS	130
ELECTRONICS RESEARCH BUILDING	79
EMERSON, CHERRY ADDITION	66A
EMERSON, CHERRY L. BUILDING	66
EMERSON, WILLIAM HENRY BUILDING	29B
ENGINEERING SCIENCE AND MECHANICS BUILDING	41
ENVIRONMENTAL SAFETY BUILDING	120
FACILITIES BOILER	69C
FACILITIES GARAGE/WAREHOUSE	67
FACILITIES OPERATIONS STORAGE	67A
FIBER OPTIC NETWORK BUILDING	127
FIELD, FLOYD RESIDENCE HALL	90
FITTEN, LOUISE M. RESIDENCE HALL	119
FOLK, EDWIN H. RESIDENCE HALL	110
FOURTH STREET APARTMENTS	134
FREEMAN, JR. Y. FRANK RESIDENCE HALL	117
FRENCH, AARON BUILDING	30
FULMER, HERMAN K. RESIDENCE HALL	106
GEORGIA CENTER FOR ADVANCED TELECOMMUNICATIONS TECHNOLOGY	141
GILBERT, JUDGE S. PRICE MEMORIAL LIBRARY	77
GLENN, WILLIAM H. RESIDENCE HALL	16
GRADUATE LIVING CENTER	52
GRIFFIN TRACK	342
GROSECLOSE, COLONEL FRANK F. BUILDING	56
GROUNDS GREENHOUSE	121A
GTRI RESEARCH BUILDING	51
GUGGENHEIM, DANIEL F. BUILDING	40
HANSON, MAJOR JOHN RESIDENCE HALL	93
HARRIS, NATHANIEL E. RESIDENCE HALL	11
HARRISON SQUARE	352
HARRISON, GEORGE W. JR. RESIDENCE HALL	14
HEALEY, ADAM. APARTMENTS	112
HEFNER, RALPH A. RESIDENCE HALL	107
HEMPHILL AVENUE APARTMENTS	131
HIGHTOWER, WILLIAM H. BUILDING	44
HINMAN, THOMAS P. RESEARCH BUILDING	51A
HOLLAND, ARCHIBALD D. BUILDING	26
HOPKINS, ISAAC S. RESIDENCE HALL	94
HOUSTON, FRANK K. ADDITION	114A
HOUSTON, FRANK K. BUILDING	114
HOWELL, CLARK RESIDENCE HALL	10
HOWEY, JOSEPH H, PHYSICS BUILDING	81
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INSTRUCTION CENTER	55
INTERNATIONAL STUDENT HOUSING	323
IVAN ALLEN COLLEGE OF MANAGEMENT, POLICY, AND INTERNATIONAL AFFAIRS	137
KESSLER CAMPANILE	350
KING OFFICE ADDITION	83A
KING, ROY S. FACILITIES BUILDING	83
KNIGHT, MONTGOMERY BUILDING	101
LANDSCAPE MAINTENANCE BUILDING	121
LUCK, JR., JAMES K. BUILDING	73A
LYMAN HALL BUILDING	29A
LYMAN/EMERSON ADDITION	29C
MANUFACTURING RELATED DISCIPLINES COMPLEX	135
MANUFACTURING RELATED DISCIPLINES COMPLEX II	144
MASON, JESSE W. BUILDING	111
MATHESON, KENNETH G. RESIDENCE HALL	91
MECHANICAL ENGINEERING RESEARCH BUILDING	48
MONTAG, HAROLD E. RESIDENCE HALL	118
MOORE, BILL TENNIS CENTER	80
NAVAL RESERVE CENTER	60
NAVAL RESERVE GARAGE	60A
NAVY ROTC ARMORY	59
NEELY, FRANK H. NUCLEAR RESEARCH CENTER	87
OFFICE OF HUMAN RESOURCES	32
O'KEEFE CUSTODIAL BUILDING	33B
O'KEEFE GYM	33A
O'KEEFE MAIN BUILDING	33
OUTDOOR POOL	345
PERRY, WILLIAM G. RESIDENCE HALL	92
PETERS, RICHARD PARK PARKING DECK	8
PETTIT, JOSEPH M. BUILDING	95
PRESIDENT'S HOUSE	71

Source: Office of Capital and Space Planning

CAMPUS MAP

Fig. 1.1 Campus Map – *Continued*

Buildings by Name – *Continued*

PRESIDENT'S HOUSE - GROUNDS BUILDING	71A	STUDENT CENTER PARKING DECK	54
PUMPING STATION	62	STUDENT CENTER POST OFFICE	104A
RICE, HOMER CENTER FOR SPORTS PERFORMANCE	18A	CHARLES A. SMITHGALL JR. STUDENT SERVICES BUILDING	123
RICH BUILDING	51C	SUSTAINABLE EDUCATION BUILDING	145
RICH CHILLER PLANT	51F	SWANN, JANIE AUSTELL BUILDING	39
RICH COMPUTER CENTER	51D	TECHWAY BUILDING	136
ROBERT FERST CENTER FOR THE ARTS	124	TENTH STREET CHILLER PLANT	133
ROBERT, L. W. "CHIP" ALUMNI FACULTY HOUSE	3	TOWERS, DONIGAN D. RESIDENCE HALL	15
ROE STAMPS FIELD	348	UNDERGRADUATE RESIDENCE HALL	64
ROSE BOWL FIELD	347	VAN LEER, BLAKE R. BUILDING	85
ROSE BOWL FIELD STORAGE BUILDING	63	VISITOR INFORMATION CENTER	42
SAVANT, DOMENICO P. BUILDING	38	WARDLAW, JR., WILLIAM C. CENTER	47
SCHOOL OF MANAGEMENT BUILDING	57	WASTE STORAGE BUILDING	43
SIXTH STREET APARTMENTS	65	WEBER, PAUL SPACE SCIENCE AND TECHNOLOGY BUILDING I	84
SKILES, WILLIAM VERNON CLASSROOM BUILDING	2	WEBER, PAUL SPACE SCIENCE AND TECHNOLOGY BUILDING II	98
SMITH, DAVID M. BUILDING	24	WENN, FRED B. STUDENT CENTER	104
SMITH, JOHN M. RESIDENCE HALL	6	WHITEHEAD, JOSEPH B. MEMORIAL INFIRMARY	82
SOUTHERN REGIONAL EDUCATION BOARD	125	WOODRUFF, GEORGE & IRENE RESIDENCE HALL, NORTH WING	116
STEAM SHOP	83B	WOODRUFF, GEORGE & IRENE RESIDENCE HALL, SOUTH WING	116A
STORE ROOM ANNEX	83C	WREK TRANSMITTER AND TOWER	20

Buildings by Number

1	BURGE, FLIPPEN D. APARTMENTS	41	ENGINEERING SCIENCE AND MECHANICS BUILDING
2	SKILES, WILLIAM VERNON CLASSROOM BUILDING	42	VISITOR INFORMATION CENTER
3	ROBERT, L. W. "CHIP" ALUMNI FACULTY HOUSE	43	WASTE STORAGE BUILDING
6	SMITH, JOHN M. RESIDENCE HALL	44	HIGHTOWER, WILLIAM H. BUILDING
7	BROWN, JULIUS RESIDENCE HALL	45	COON, JOHN SAYLOR BUILDING
8	PETERS, RICHARD PARK PARKING DECK	46	BERINGAUSE, GARY F. BUILDING
9	BURGE PARKING DECK	47	WARDLAW, JR., WILLIAM C. CENTER
10	HOWELL, CLARK RESIDENCE HALL	48	MECHANICAL ENGINEERING RESEARCH BUILDING
11	HARRIS, NATHANIEL E. RESIDENCE HALL	49	BUILDING 049A, B,F, G, H, J, K
12	BRITTAIN, MARION L. DINING HALL	50	COLLEGE OF COMPUTING BUILDING
13	CLOUDMAN, JOSIAH RESIDENCE HALL	51	GTRI RESEARCH BUILDING
14	HARRISON, GEORGE W. JR. RESIDENCE HALL	51A	HINMAN, THOMAS P. RESEARCH BUILDING
15	TOWERS, DONIGAN D. RESIDENCE HALL	51B	CALCULATOR BUILDING
16	GLENN, WILLIAM H. RESIDENCE HALL	51C	RICH BUILDING
17	BOBBY DODD STADIUM AT GRANT FIELD	51D	RICH COMPUTER CENTER
18	EDGE, ARTHUR B. INTERCOLLEGIATE ATHLETIC CENTER	51E	CALCULATOR ADDITION
18A	RICE, HOMER CENTER FOR SPORTS PERFORMANCE	51F	RICH CHILLER PLANT
20	WREK TRANSMITTER AND TOWER	52	GRADUATE LIVING CENTER
21	190 BOBBY DODD WAY	53	CIVIL ENGINEERING LABORATORY
22	DANIEL, J.L. LABORATORY	54	STUDENT CENTER PARKING DECK
22A	DANIEL LAB ADDITION	55	INSTRUCTION CENTER
23A	ARMY OFFICE	56	GROSECLOSE, COLONEL FRANK F. BUILDING
23B	ARMY ARMORY	57	SCHOOL OF MANAGEMENT BUILDING
24	SMITH, DAVID M. BUILDING	58	CIVIL ENGINEERING, (OLD)
25	CHAPIN, LLOYD W. BUILDING	59	NAVY ROTC ARMORY
26	HOLLAND, ARCHIBALD D. BUILDING	60	NAVAL RESERVE CENTER
29A	LYMAN HALL BUILDING	60A	NAVAL RESERVE GARAGE
29B	EMERSON, WILLIAM HENRY BUILDING	61	ADVANCED TECHNOLOGY DEVELOPMENT CENTER NORTH
29C	LYMAN/EMERSON ADDITION	61A	ADVANCED TECHNOLOGY DEVELOPMENT CENTER SOUTH
30	FRENCH, AARON BUILDING	62	PUMPING STATION
31	BILL MOORE STUDENT SUCCESS CENTER	63	ROSE BOWL FIELD STORAGE BUILDING
32	OFFICE OF HUMAN RESOURCES	64	UNDERGRADUATE RESIDENCE HALL
33	O'KEEFE MAIN BUILDING	65	SIXTH STREET APARTMENTS
33A	O'KEEFE GYM	66	EMERSON, CHERRY L. BUILDING
33B	O'KEEFE CUSTODIAL BUILDING	66A	EMERSON, CHERRY ADDITION
35	ADMINISTRATION BUILDING	67	FACILITIES GARAGE/WAREHOUSE
36	CARNEGIE, ANDREW BUILDING	67A	FACILITIES OPERATIONS STORAGE
38	SAVANT, DOMENICO P. BUILDING	68	CHANDLER, RUSS STADIUM
39	SWANN, JANIE AUSTELL BUILDING	69C	FACILITIES BOILER
40	GUGGENHEIM, DANIEL F. BUILDING	70	CALLAWAY, SR. FULLER E. APARTMENTS

Source: Office of Capital and Space Planning

CAMPUS MAP

Fig. 1.1 Campus Map–*Continued*

Buildings by Number – *Continued*

71	PRESIDENT'S HOUSE
71A	PRESIDENT'S HOUSE - GROUNDS BUILDING
72	BRITTAIN, MARION L. "T" ROOM ADDITION
73	ALEXANDER, WILLIAM A. MEMORIAL COLISEUM AT MCDONALDS CENTER
73	ALEXANDER MEMORIAL COLISEUM ANNEX
73A	LUCK, JR., JAMES K. BUILDING
74	BRADLEY, W.C. & SARAH BUILDING
75	COLLEGE OF ARCHITECTURE, ADDITION
76	COLLEGE OF ARCHITECTURE
77	GILBERT, JUDGE S. PRICE MEMORIAL LIBRARY
78	BUILDING 078A, D. E. H RESEARCH AREA 2
79	ELECTRONICS RESEARCH BUILDING
80	MOORE, BILL TENNIS CENTER
81	HOWEY, JOSEPH H, PHYSICS BUILDING
82	WHITEHEAD, JOSEPH B. MEMORIAL INFIRMARY
83	KING, ROY S. FACILITIES BUILDING
83A	KING OFFICE ADDITION
83B	STEAM SHOP
83C	STORE ROOM ANNEX
84	WEBER, PAUL SPACE SCIENCE AND TECHNOLOGY BUILDING I
85	VAN LEER, BLAKE R. BUILDING
86	BUNGER-HENRY BUILDING (HAROLD BUNGER & A.V. HENRY)
87	NEELY, FRANK H. NUCLEAR RESEARCH CENTER
88	ATHLETIC ASSOCIATION CONFERENCE ROOM
89	ATHLETIC ASSOCIATION ANNEX
90	FIELD, FLOYD RESIDENCE HALL
91	MATHESON, KENNETH G. RESIDENCE HALL
92	PERRY, WILLIAM G. RESIDENCE HALL
93	HANSON, MAJOR JOHN RESIDENCE HALL
94	HOPKINS, ISAAC S. RESIDENCE HALL
95	PETTIT, JOSEPH M. BUILDING
97	AJAX, FRED W. BUILDING
98	WEBER, PAUL SPACE SCIENCE AND TECHNOLOGY BUILDING II
99	BAKER, HARRY L. BUILDING
100	CROSLAND, DOROTHY M. TOWER
101	KNIGHT, MONTGOMERY BUILDING
102	AEROSPACE COMBUSTION LABORATORY
103	BOGGS, GILBERT HILLHOUSE BUILDING
104	WENN, FRED B. STUDENT CENTER
104A	STUDENT CENTER POST OFFICE
105	COMMANDER, ROBERT C. BUILDING
106	FULMER, HERMAN K. RESIDENCE HALL
107	HEFNER, RALPH A. RESIDENCE HALL
108	ARMSTRONG, ARTHUR H. RESIDENCE HALL
109	CALDWELL, HUGH H. RESIDENCE HALL
110	FOLK, EDWIN H. RESIDENCE HALL
111	MASON, JESSE W. BUILDING
112	HEALEY, ADAM. APARTMENTS
113	CENTRAL RECEIVING - PROPERTY CONTROL
114	HOUSTON, FRANK K. BUILDING
114A	HOUSTON, FRANK K. ADDITION
115	COUCH BUILDING
116	WOODRUFF, GEORGE & IRENE RESIDENCE HALL, NORTH WING
116A	WOODRUFF, GEORGE & IRENE RESIDENCE HALL, SOUTH WING
117	FREEMAN, JR. Y. FRANK RESIDENCE HALL
118	MONTAG, HAROLD E. RESIDENCE HALL
119	FITTEN, LOUISE M. RESIDENCE HALL
120	ENVIRONMENTAL SAFETY BUILDING
121	LANDSCAPE MAINTENANCE BUILDING
121A	GROUNDS GREENHOUSE
122	CALLAWAY, III FULLER E. STUDENT ATHLETIC COMPLEX
123	CHARLES A. SMITHGALL JR. STUDENT SERVICES BUILDING
124	ROBERT FERST CENTER FOR THE ARTS
125	SOUTHERN REGIONAL EDUCATION BOARD
126	CALLAWAY, JR. FULLER E. MANUFACTURING RESEARCH CENTER
127	FIBER OPTIC NETWORK BUILDING
128	490 TENTH STREET, N.W.
129	INSTITUTE OF PAPER SCIENCE AND TECHNOLOGY
130	EIGHTH STREET APARTMENTS
131	HEMPHILL AVENUE APARTMENTS
132	CENTER STREET APARTMENTS
133	TENTH STREET CHILLER PLANT
134	FOURTH STREET APARTMENTS
135	MANUFACTURING RELATED DISCIPLINES COMPLEX
136	TECHWAY BUILDING
137	IVAN ALLEN COLLEGE OF MANAGEMENT, POLICY, AND INTERNATIONAL AFFAIRS
138	811 MARIETTA STREET
139	CURRAN STREET PARKING DECK
140	AQUATIC CENTER
141	GEORGIA CENTER FOR ADVANCED TELECOMMUNICATIONS TECHNOLOGY
142	500 TECH PARKWAY
144	MANUFACTURING RELATED DISCIPLINES COMPLEX II
145	SUSTAINABLE EDUCATION BUILDING
323	INTERNATIONAL STUDENT HOUSING
342	GRIFFIN TRACK
345	OUTDOOR POOL
347	ROSE BOWL FIELD
348	ROE STAMPS FIELD
350	KESSLER CAMPANILE
351	AMPHITHEATER
352	HARRISON SQUARE
790	CENTENNIAL RESEARCH BUILDING

Source: Office of Capital and Space Planning

PROFILE OF ATLANTA

Metropolitan Area

6,150 Square Miles
20 Counties
118 Municipalities

Population

1990: 2,959,950
1995 Estimated: 3,425,000
Median Age: 31.5
Average Household Effective Buying Income: $50,358
Metro Atlanta's population increased by over 36% during the past decade. Metro Atlanta's projected population for the Year 2000 is 3,759,698, an expected growth of nearly 10% since 1995

Climate

Elevation at 1,010 feet above sea-level

Average Annual Temperature	64.2°
Average Monthly Temperature	
January	40.5°
April	67.6°
July	79.1°
October	64.1°
Average Monthly Precipitation	4.23 inches

Education

- Over a half million students are served through Atlanta's 27 public school systems that include over 700 elementary, middle and high schools. Metro Atlanta is also home to more than 200 private elementary and secondary schools
- Over forty accredited degree-granting colleges and universities offer more than 400 fields of study to over 100,000 students
- Atlanta ranks fourth in the nation for the percent of its population (27% of the population 25 years and older) that has completed college

Business and Industry

- Home to over 95,000 business establishments, more than 4,500 of which are manufacturing facilities
- Home to the headquarters of 23 Fortune 1,000 companies
- Metro Atlanta companies employ over 1.8 million people
- Atlanta has led the nation in net new job growth for three consecutive years with 43,100 new jobs in 1992; 89,600 new jobs in 1993; 96,800 new jobs in 1994; and ranked second behind Chicago in 1995 with 87,800 new jobs
- Ranked number 7 in *Fortune* Magazine's "World's Best Cities for Business" and number 2 in *Fortune* Magazine's "Best U. S. Cities for Business"
- Over 1,200 foreign-based facilities operate out of the metro area, employing over 80,000 people. Atlanta is home to 73 Foreign-American Chambers of Commerce and Foreign Consulates
- Hartsfield Atlanta International Airport is the second busiest airport in the world and was first in the world for the first quarter of 1996. Atlanta is the fourth largest convention center in the U.S.

Telecommunications

- Home to BellSouth, the nation's largest communications holding company which provides Atlantans with the world's largest toll-free calling area–7,164 sq. miles
- More than 10 daily newspapers and nearly 50 weekly newspapers
- Ten television stations
- Nearly 50 FCC licensed radio stations
- Over 30 regional bureaus of national and international broadcast and printing news operations

Transportation

Aviation

- Hartsfield Atlanta International Airport services more than 50 million passengers a year
- Over 1,000 flights per day carry over 100,000 passengers daily to more than 200 domestic and international destinations
- Hartsfield's concourse E is the largest international aviation terminal in the world and houses customs and immigration offices
- Atlanta is only one of five cities to offer rapid rail from inside its airport terminal. Average travel time by MARTA to downtown is 15 minutes
- Twenty-two general aviation airports provide ample facilities for private and corporate aircraft

Source: Atlanta Chamber of Commerce

PROFILE OF ATLANTA

Highways

- Three major interstate highways (I-75, I-85 and I-20) converge near the central business district and are connected by the perimeter highway I-285, a 62.7 mile loop. The Georgia 400 is a six-lane highway providing yet another route to the city

Rail

- CSX Transportation and Norfolk Southern each operate more than 100 freight trains daily

Mass Transportation

- MARTA (Metropolitan Atlanta Rapid Transit Authority) includes a 39-mile rail system with 32 stations and 150 bus routes covering more than 1,600 miles. In addition, Cobb County Transit (CCT) connects into MARTA at various points.
- AMTRAK has overnight and daytime service
- Greyhound has more than 200 buses arriving and departing daily

Research

- Advanced Technology Development Center at Georgia Tech
- Emory University - Medical Research Facilities
- Georgia Biomedical Partnership
- Georgia Research Alliance
- Georgia Tech Research Institute
- Institute of Paper Science and Technology
- Morehouse School of Medicine
- National Headquarters for the American Cancer Society
- National Headquarters for the Centers for Disease Control and Prevention (CDC)
- Yerkes Regional Primate Research Center

Attractions

Major Sites

- CNN Center
- Martin Luther King Jr. Museum Historic Site
- Six Flags Over Georgia
- Stone Mountain Memorial Park
- The Carter Presidential Center
- The World of Coca-Cola
- Underground Atlanta
- White Water Atlanta
- Zoo Atlanta

The Arts and Culture

- Alliance Theatre
- Arts Festival of Atlanta
- Atlanta Ballet
- Atlanta History Center
- Atlanta Opera
- Atlanta Symphony Orchestra
- Cultural festivals from every corner of the globe
- High Museum of Art
- National Black Arts Festival
- SciTrek
- The Fernbank Museums

Sports and Recreation

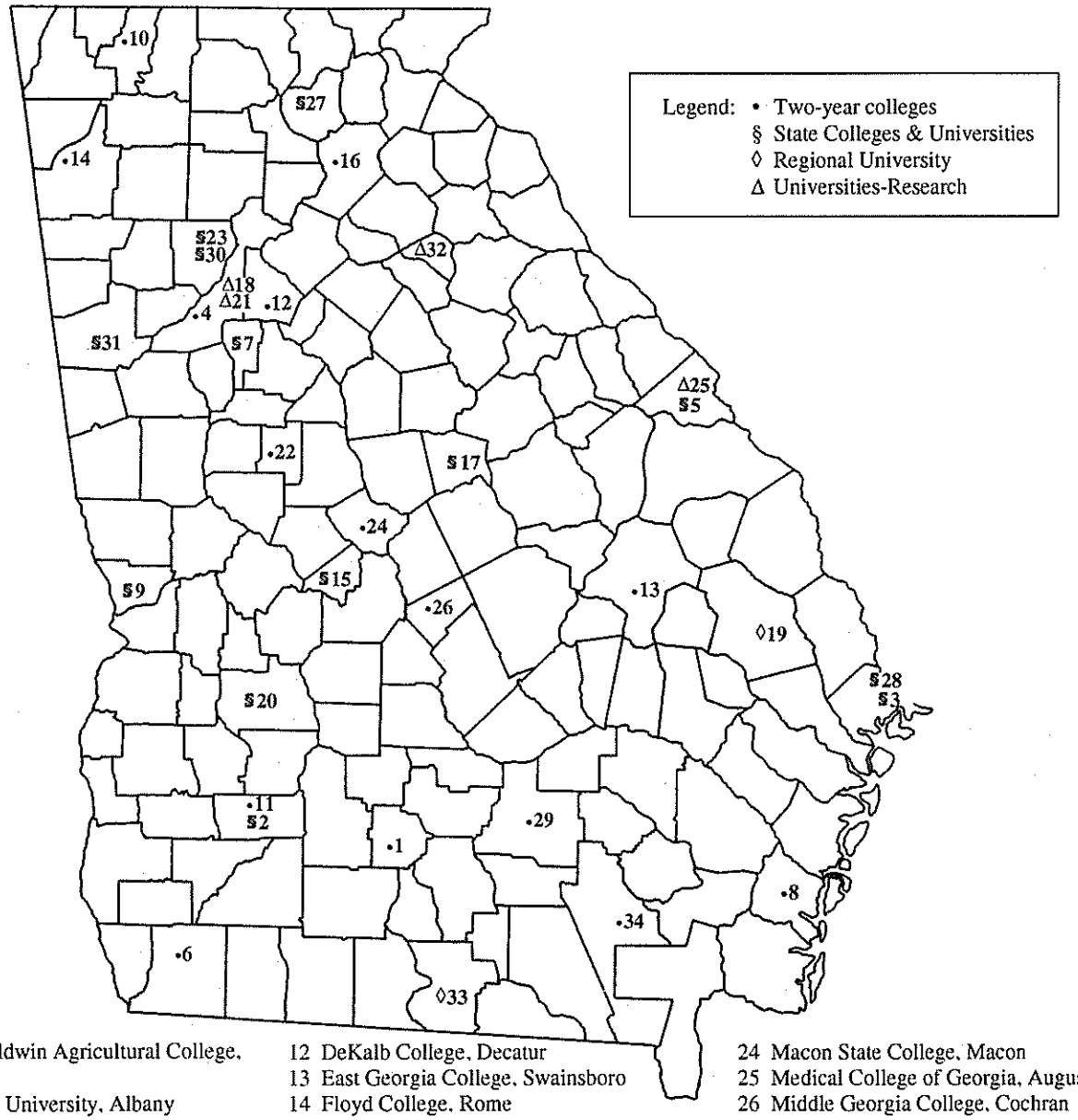
- Atlanta Braves–National League Baseball - 1995 World Series Champions
- Atlanta Falcons–National Football League
- Atlanta Hawks–National Basketball Association
- Atlanta Thunder-World Team Tennis
- Atlanta Ruckus-American Professional Soccer League
- Auto racing at Road Atlanta and Atlanta International Speedway
- Facilities include: Georgia Dome, Turner Field, Georgia International Horse Park, World Congress Center, Stone Mountain Tennis Complex, Georgia Tech Aquatics Center
- Georgia Tech–NCAA Atlantic Coast Conference
- Lake Lanier, Lake Allatoona and the Chattahoochee River
- Major professional tennis (AT&T Challenge) and golf (BellSouth Classic) tournaments
- Nearby beaches, mountains, ski resorts, Appalachian Trail, Okeefenokee Wildlife Refuge, and Cohutta Wilderness Area
- Peach Bowl–New Years Day NCAA football bowl

Source: Atlanta Chamber of Commerce

UNIVERSITY SYSTEM OF GEORGIA

The University System of Georgia, which began operation in 1932, is among the oldest unified statewide systems of public higher education in the United States and includes all state-operated universities, four-year colleges, and two-year colleges in Georgia. The system, now in its seventh decade of operation, offers programs of instruction, research, and public service designed to benefit the entire population of the state. These programs are conducted through the various institutions and institution-related agencies.

Fig. 1.2 University System of Georgia Institutions by Location and Type



1 Abraham Baldwin Agricultural College, Tifton
2 Albany State University, Albany
3 Armstrong Atlantic State University, Savannah
4 Atlanta Metropolitan College, Atlanta
5 Augusta State University, Augusta
6 Bainbridge College, Bainbridge
7 Clayton College and State University, Morrow
8 Coastal Georgia Community College, Brunswick
9 Columbus State University, Columbus
10 Dalton College, Dalton
11 Darton College, Albany
12 DeKalb College, Decatur
13 East Georgia College, Swainsboro
14 Floyd College, Rome
15 Fort Valley State University, Fort Valley
16 Gainesville College, Gainesville
17 Georgia College & State University, Milledgeville
18 Georgia Institute of Technology, Atlanta
19 Georgia Southern University, Statesboro
20 Georgia Southwestern State University, Americus
21 Georgia State University, Atlanta
22 Gordon College, Barnesville
23 Kennesaw State University, Kennesaw
24 Macon State College, Macon
25 Medical College of Georgia, Augusta
26 Middle Georgia College, Cochran
27 North Georgia College and State University, Dahlonega
28 Savannah State University, Savannah
29 South Georgia College, Douglas
30 Southern Polytechnic State University, Marietta
31 State University of West Georgia, Carrollton
32 University of Georgia, Athens
33 Valdosta State University, Valdosta
34 Waycross College, Waycross

Source: Office of the Board of Regents

BOARD OF REGENTS

The Board of Regents of the University System of Georgia is composed of 16 members appointed by the Governor and confirmed by the Senate for seven-year terms. One member is appointed from each of the 11 congressional districts, and five are appointed from the state at large. The Board of Regents exercises broad jurisdiction over all institutions of the University System of Georgia and establishes policies and procedures under which they operate. The Board receives all state appropriations for the University System and allocates these appropriations to the institutions and institution-related agencies. While the Board engages in both policy-making and administrative functions, each unit of the System has a high degree of academic and administrative autonomy.

The Chancellor of the University System, the chief administrative officer of the System, is appointed by the Board as its chief executive officer and serves at the Board's request. The chancellor has broad discretionary power for executing the resolutions, policies and rules, and regulations adopted by the Board for the operation of the University System.

The System currently includes 34 institutions: four research universities, two regional universities, 13 state colleges and universities, and 15 two-year colleges. These institutions are both individually distinctive and interrelated. They are geographically dispersed so that approximately 96 percent of the people in Georgia reside within 35 miles of at least one university or college.

Table 1.1 Staff of the Board of Regents

Staff Member	Title
Dr. Stephen R. Portch	**Chancellor**
Vacant	Special Assistant
Ms. Gail S. Weber	Secretary to the Board/Executive Administrative Assistant
Dr. Arthur N. Dunning	**Senior Vice Chancellor for Human and External Resources**
Mr. Thomas E. Daniel	Vice Chancellor–External Affairs
Ms. Arlethia Perry-Johnson	Assistant Vice Chancellor - Media & Publications
Ms. Annie Hunt Burriss	Assistant Vice Chancellor - Development and Economic Services
Mr. John Millsaps	Director of Communications/Marketing
Mr. T. Don Davis	Associate Vice Chancellor - Human Resources
Dr. John Fleischmann	Director of Personnel Management
Ms. Elizabeth E. Neely	Associate Vice Chancellor - Legal Affairs
Mr. J. Burns Newsome	Assistant Vice Chancellor - Legal Affairs (Prevention)
Ms. Corlis Cummings	Assistant Vice Chancellor - Legal Affairs (Contracts)
Ms. Elaine S. Newell	Assistant Vice Chancellor - Legal Affairs (Compliance)
Dr. Lindsay Desrochers	**Senior Vice Chancellor for Capital Resources/Treasurer**
Mr. William K. Chatham	Vice Chancellor - Facilities
Mr. Peter J. Hickey	Assistant Vice Chancellor - Facilities
Mr. Lee Richey	Assistant Vice Chancellor - Design and Construction
Ms. Linda M. Daniels	Director of Facilities and Planning
Mr. Mark Demyanek	Director of Environmental Safety
Mr. William R. Bowes	Associate Vice Chancellor - Fiscal Affairs
Mr. C. Roger Mosshart	Assistant Vice Chancellor - Budgets
Mr. Levy G. Youmans	Assistant Vice Chancellor - Management & Audit Advisory Services
Ms. Shelley Clark	Budget Director
Ms. Carole B. Riddle	Director of Business Services
Dr. James L. Muyskens	**Senior Vice Chancellor for Academic Affairs/Deputy**
Dr. Barry A. Fullerton	Vice Chancellor - Student Services
Dr. E. Michael Staman	Vice Chancellor - Information/Instructional Technology/CIO
Mr. Randall A. Thursby	Assistant Vice Chancellor - Information Technology
Dr. Kris A. Biesinger	Assistant Vice Chancellor - Instructional Technology
Dr. Cathie M. Hudson	Associate Vice Chancellor - Planning and Policy Analysis
Dr. John T. Wolfe, Jr.	Associate Vice Chancellor - Academic Affairs
Dr. Joseph J. Szutz	Assistant Vice Chancellor - Planning
Dr. Jan Kettlewell	Assistant Vice Chancellor - Academic Affairs
Dr. David M. Morgan	Assistant Vice Chancellor - Academic Affairs
Dr. Kathleen Burk	Director of Regents Testing
Dr. Jacqueline R. Michael	Director of Pre-College Programs
Ms. Albertine Walker-Marshall	Director of System Policy Research

Source: Office of the Board of Regents

BOARD OF REGENTS

Table 1.2 Members and Terms of Appointment of the Board of Regents

Regent	Term	District
J. Tom Coleman, Jr.	(1995-2002)	State at Large
A. W. "Bill" Dahlberg	(1997-2004)	State at Large
Suzanne G. Elson	(1993-1999)	State at Large
Charles H. Jones	(1995-2002)	State at Large
Donald M. Leebern, Jr.,	(1991-1998)	State at Large
David H. (Hal) Averitt	(1997-1999)	First
John Hunt	(1997-2004)	Second
Shannon L. Amos	(1997-2000)	Third
Juanita Powell Baranco	(1997-1998)	Fourth
Elridge W. McMillan	(1996-2003)	Fifth
Kenneth W. Cannestra	(1994-2001)	Sixth
Edgar L. Rhodes	(1992-1999)	Seventh
S. William Clark, Jr., *Chairman*	(1992-1999)	Eighth
Edgar L. Jenkins, *Vice Chairman*	(1994-2001)	Ninth
Thomas F. Allgood, Sr.	(1993-2000)	Tenth
Glenn S. White	(1997-1998)	Eleventh

Source: Office of the Board of Regents

HIGHLIGHTS OF TECH HISTORY

Table 1.3 Selected Events from Georgia Tech's History

Year	Event
1885	On October 13, the Georgia Legislature passes a bill appropriating $65,000 to found a technical school.
1886	Atlanta is chosen as the location for the Georgia School of Technology.
1887	Developer Richard Peters donates four acres of land known as Peters Park to the new school.
1888	The Academic Building (in use today as the Administration Building) is completed. Georgia Tech opens for classes on October 8, with the School of Mechanical Engineering and departments of Chemistry, Mathematics, and English. By January 1889, 129 students register to work toward the only degree offered, the Bachelor of Science in Mechanical Engineering.
1890	Tech graduates its first two students.
1892	Tech fields its first football team.
1896	The Schools of Civil Engineering and Electrical Engineering are established.
1899	The A. French Textile School is established.
1901	The School of Chemical Engineering is established. The Athletic Association is organized.
1903	John Heisman becomes the school's first full-time football coach.
1904	The Department of Modern Languages is established.
1906	The School of Chemistry is established. Andrew Carnegie donates $20,000 to build a library.
1907	The Carnegie Library opens.
1908	Tech's Night School opens. Fulton County grants an organizational charter to the Georgia Tech Alumni Association. The first edition of the annual, *The Blue Print*, appears. The Department of Architecture is established.
1910	The first official band is formed.
1911	*The Technique*, the weekly student newspaper, begins publication.
1912	The Cooperative Education Department is established to coordinate work-study programs.
1913	The School of Commerce, forerunner of the College of Management, is established.
1916	The Georgia Tech Student Association is established.
1917	The Department of Military Science is established. The Evening School of Commerce admits its first woman student.
1918	Tech joins the National Collegiate Athletic Association (NCAA). Senior units of the Coast Artillery and Signal Corps of the Reserve Officer Training Corps (ROTC) are established. The school and alumni launch the Greater Georgia Tech fund-raising campaign.
1919	The Legislature authorizes the Engineering Experiment Station.
1920	The national Alumni Association convenes its first meeting. George P. Burdell, Tech's long-lived mythical student, begins "attending" class.
1921	Tech becomes a charter member of the Southern Intercollegiate Conference.
1923	The *Georgia Tech Alumnus* magazine begins publication. The Alumni Association begins an alumni placement service. Tech is elected to the Southern Association of Colleges and Universities.
1924	The School of Ceramics is established. Tech receives an FCC license to operate radio station WGST.
1925	Tech awards its first Master of Science degrees.
1926	Tech establishes a Naval ROTC unit. The Department of Naval Science is established.
1930	The Daniel Guggenheim School of Aeronautics is established.
1931	The Georgia Legislature creates the University System of Georgia.
1932	The Board of Regents of the University System assumes control of all state public schools, including Tech. The Georgia Tech Alumni Foundation holds its first meeting.
1934	The Department of Management is established. The Engineering Experiment Station begins engineering research projects.
1937	The Industrial Development Council (forerunner of the Georgia Tech Research Corporation) is created to be the contractual agency for the Engineering Experiment Station.
1939	The School of Physics is established.
1942	The Department of Physical Education and Recreation is established.
1945	Tech becomes the first institution to provide low-cost married housing to GI Bill students. The School of Industrial and Systems Engineering is established.
1946	Tech adopts the quarter system.

Source: Office of the Vice President for External Affairs

HIGHLIGHTS OF TECH HISTORY

Table 1.3 Selected Events from Georgia Tech's History - *Continued*

Year	Event
1948	The Board of Regents authorizes Tech to change its name to the Georgia Institute of Technology. Southern Technical Institute opens as a branch of Tech. The Department of Architecture becomes the School of Architecture; the Department of Management becomes the School of Industrial Management; the School of Social Sciences is established.
1949	The YMCA-sponsored, student-maintained World Student Fund is created to support a foreign student program.
1950	The Department of Air Science (now Air Force Aerospace Studies) is established. Tech awards its first Doctor of Philosophy degree.
1952	The School of Mathematics is established. The Board of Regents votes to make Tech coeducational. The first two women students enroll in the fall quarter.
1954	The Georgia Tech Alumni Foundation becomes the Georgia Tech Foundation.
1955	The Rich Electronic Computer Center begins operation.
1956	Tech's first two women graduates receive their degrees.
1957	The Georgia Legislature grants Tech $2.5 million for a nuclear reactor.
1959	The School of Engineering Science and Mechanics and the School of Psychology are established.
1960	The School of Applied Biology is established.
1961	Tech is the first major state university in the deep South to desegregate without a court order. The new Southern Tech campus in Marietta is opened.
1962	The School of Nuclear Engineering is established.
1963	The School of Information and Computer Science is established. Tech is the first institution in the United States to offer the master's degree in information science. The Water Resources Center is created. Renamed the Environmental Resources Center in 1970, it now functions as the Water Resources Research Institute of Georgia.
1964	Tech leaves the Southeastern Conference (SEC).
1965	Compulsory ROTC ends.
1969	The School of Industrial Management becomes the College of Management. The Bioengineering Center is established in conjunction with Emory University.
1970	Southern Tech is authorized to grant four-year degrees. The School of Geophysical Sciences is established.
1975	The name of the General College is changed to the College of Sciences and Liberal Studies (COSALS), and the School of Architecture becomes the College of Architecture. The Georgia Legislature designates the Engineering Experiment Station as the Georgia Productivity Center. Tech joins the Metro-6 athletic conference.
1977	The Center of Radiological Research is formed to coordinate research in health physics.
1978	Georgia Tech joins the Atlantic Coast Conference (ACC). The Georgia Mining Resources Institute, linked to the U.S. Bureau of Mines, is formed. The Fracture and Fatigue Research Laboratory is established.
1979	The Computational Mechanics Center is established.
1980	Southern Tech becomes an independent four-year college of engineering technology. The Center for Rehabilitation Technology is formed. The Higher Education Management Institute study is established.
1981	The Advanced Technology Development Center, the Technology Policy and Assessment Center, and the Microelectronics Research Center are established.
1982	The Materials Handling Research Center, Center for Architecture Conservation, Center for Excellence in Rotary Wing Aircraft, and Communication Research Center are established.
1983	The Research Center for Biotechnology is established. The Long Range Plan is begun.
1984	The Engineering Experiment Station changes its name to the Georgia Tech Research Institute. Georgia Tech's contract corporation changes its name from the Georgia Tech Research Institute to the Georgia Tech Research Corporation. The Graduate Cooperative Program is formed to include graduate students in Tech's work-study program.
1985	The School of Ceramic Engineering incorporates the metallurgy program to form the School of Materials Engineering. The Georgia Legislature authorizes $15 million to fund the Center for Excellence in Microelectronics. The Centennial Campaign begins.
1986	The Center for the Enhancement of Teaching and Learning and the College of Architecture Construction Research Center are established.
1987	The Georgia Tech/Emory University Biomedical Technology Research Center is established. The School of Engineering Science and Mechanics is incorporated into the School of Civil Engineering.
1988	Dr. John P. Crecine, Tech's ninth president, proposes a restructuring of Tech to meet the technological needs of the 21st century.
1989	The proposal for academic restructuring wins approval in a poll of both the academic faculty and the general faculty and receives the unanimous support of the Board of Regents of the University System of Georgia. The College of Computing and the Ivan Allen College of Management, Policy, and International Affairs was established.

Source: Office of the Vice President for External Affairs

HIGHLIGHTS OF TECH HISTORY

Table 1.3 Selected Events from Georgia Tech's History - *Continued*

Year	Event
1990	The Georgia Tech men's basketball team wins the ACC Championship and goes to the NCAA Final Four. Atlanta's "High-Tech Southern Hospitality" wide-screen presentation, developed by the Georgia Tech Multimedia Laboratory, helps the city attract the 1996 Olympic Games. Georgia Tech is selected as the Olympic Village site. The Georgia Tech football team is named 1990 National Champions by the UPI Coaches Poll after winning the ACC Championship and the Citrus Bowl.
1991	Despite economic hard times, Tech achieves an all-time high in fund-raising. Ground is broken for the Student Success Center, which along with the T.E.C.H. Expo mobile recruitment facility, inaugurates a new concept in student services and recruitment. Tech's first foreign campus, GT Lorraine, in Metz, France, is opened. The Fuller E. Callaway Jr. Manufacturing Research Center is opened, setting the hallmark for corporate research cooperation with Tech.
1992	Tech hosts the only vice presidential candidates debate held in election year '92, then later hosts the 6th Annual Report of the former Secretaries of Defense. Bill Lewis is named head football coach as the Yellow Jackets celebrate their 100th anniversary. Tech establishes the first University Center of Excellence for Photovoltaic Research and Education.
1993	The Georgia Institute of Technology lands U.S. Swim, Inc. National Development Center. Tech is listed as the nation's ninth best graduate engineering program by *U.S. News and World Report* and ranked number two by practicing engineers. Tech's bioengineering program (in collaboration with the Emory University School of Medicine) wins a $3 million grant from the Whitaker Foundation. Three Ivan Allen faculty earn National Endowment for the Humanities fellowships, the only fellowships of this kind awarded in Georgia.
1994	Dr. G. Wayne Clough takes office as Tech's tenth president. Dr. Clough is Tech's first president who is also an alumnus, B.S. in CE '64, M.S. in CE '65. The Packaging Research Center is established with a National Science Foundation grant. Ground is broken for construction of five residence halls in anticipation of the 1996 Olympic Games. Construction of the Olympic Natatorium Complex begins. The Complex will be used as the swimming venue for the 1996 Olympic and Paralympic Games. A 1994 *U.S. News and World Report* survey ranks Tech's Graduate School of Engineering 10th in the nation. In the *U.S. News and World Report* reputational survey, Georgia Tech ranks 1st in Industrial/Manufacturing Engineering and 5th in Aerospace Engineering by engineering-school deans. The *Gourman Report* ranks Tech's Industrial Design program in the College of Architecture 1st in the nation. George O'Leary is named as the new head football coach. Construction begins on the Manufacturing Related Disciplines Complex. Alumnus Tom DuPree donates $5 million to create the DuPree Center for Entrepreneurship and New Venture Development within the Ivan Allen College of Management, Policy and International Affairs.
1995	Dr. G. Wayne Clough is inaugurated as Tech's tenth president. The GE Foundation grants $1 million to Georgia Tech to develop a sustainable technology and engineering curriculum and the Howard Hughes Medical Institute awards Tech $1 million to be used for science education. The Office of Naval Research awards Tech nearly $4.5 million in grants to create a Molecular Design Institute. Construction of the Georgia Tech Aquatic Center is completed and recreation construction begins on the Coliseum. In the *U. S. News and World Report* reputational survey, Georgia Tech is ranked as the 42nd best university in the nation and 27th best in academic reputation. Among public schools, Tech is ranked 10th by *U. S. News and World Report* in its first-ever ranking of undergraduate programs. *U. S. News and World Report* also ranks Georgia Tech's College of Engineering 3rd in the nation, Industrial and System's Engineering 1st, Aerospace Engineering 2nd, and the School of Management 25th. In the graduate reputational survey, Georgia Tech ranks 1st in Industrial and Systems Engineering and 5th in Aerospace Engineering. Two Georgia Tech students are named Truman Scholars. Sponsored research awards hit an all-time high with $185 million. Private giving also reaches all-time high of $41 million. Strategic Planning process continues; Strategic Plan is formulated. Administration is reorganized; and the president reduces his staff by 40 percent.
1996	Georgia Tech launched the largest fund-raising drive in the history of the university. The theme for the five year $400 million capital campaign is "Threshold of a New Era." The campaign got started with alumnus Tom DuPree donating $25 million, the second largest donation in Tech history. The campaign targets seven areas of emphasis: faculty and student recruitment and retention; sophisticated educational technology; expanded social, cultural and community service opportunities for students; facilities upgrades; additional athletic programs; and the Institute endowment. Georgia Tech served as the 1996 Olympic Village hosting more than 15,000 athletes and coaches, gaining seven new residence halls, a state-of-the-art Aquatics Center, a renovated Alexander Memorial Coliseum, a beautiful new plaza area and 1,700 miles of fiber-optic cable to connect every building on campus to voice, video and data reception capabilities. For the first time ever, the Georgia Tech Yellow Jackets basketball team finished their season as the Atlantic Coast Conference regular season champions. The Georgia Tech School of Management ranked sixth among all public institutions awarding degrees at both undergraduate and graduate levels in COMPUTERWORLD Magazine's Techno MBA Survey. Georgia Tech and the Georgia Power Company cut the ribbon on a $4.2 million research facility designed to improve the safety, efficiency and economic clout of the electrical industry. The research center will serve as the headquarters of the National Electrical Energy Testing, Research and Applications Center (NEETRAC). The Advanced Technology Development Center (ATDC), the nation's first university-based technology incubator, received the 1996 Randall M. Whaley Business Incubator of the Year Award at the 10th National Conference of Business Incubation (NBIA). The National Science Foundation awarded $440,000 and Ford Motor Company contributed $300,000 to Georgia Tech to build an anechoic or "echo-free" research facility in which students and researchers can examine how particular structures respond acoustically. Mechanical Engineering Professor Sam Shelton led Georgia Tech's team of mechanical engineers and industrial designers who spent nearly two years developing the 1996

Source: Office of the Vice President for External Affairs

HIGHLIGHTS OF TECH HISTORY

Table 1.3 Selected Events from Georgia Tech's History - *Continued*

Year	Event
	Olympic torch which traveled 15,000 miles across the nation, highlighting Georgia Tech's role in staging the Olympic Games.
1997	U.S. News & World Reports ranks Tech ninth among public universities nationally; the first time Georgia Tech has been ranked in the Top 10. Other rankings include: Top 20 among research labs by Business Week; No. 2 best value among scientific and technical schools by Money Magazine; No. 8 in industry sponsored research by the National Science Foundation; and No. 1 in the number of Master's Degrees and Doctoral Degrees in Engineering, technology, computer science or awarded to African Americans, according to Black Issues in Higher Education. The first class in history is required to own personal computer systems, to better utilize the advanced fiber optic cable network and new educational technologies in the Tech curriculum. Georgia Tech young faculty received the highest number prestigious CAREER Awards from the National Science Foundation in 1997. This brings the total number to 25, ranking Georgia Tech second nationally in promising young faculty members. The Campaign for Georgia Tech tops $225 million toward a $400 million goal. Private donations achieve another record year with $77 million in hand. The Georgia Tech endowment grows to more than $500 million. Tech researchers set record year with $220 million in research expenditures, while doubling the percentage of research funding from industry over a three year period. Retiring U.S. Senator Sam Nunn joins Tech's Ivan Allen College as a distinguished faculty member in public policy and international affairs. The School is renamed The Sam Nunn School of International Affairs. Dr. Homer Rice retires after 17 successful years as Athletic Director. Dave Braine is named his replacement, only the sixth athletic director in the school's history. Sophomore Matt Kuchar wins the 1997 U.S. Amateur Golf Championship. The number of people attending Georgia Tech via distance learning programs has increased 52 percent over the last five years.

Source: Office of the Vice President for External Affairs

DEGREES OFFERED

Table 1.4 Degree Majors

Bachelor's	Master's	Doctoral
Bachelor's degrees are awarded in the following majors:	*Master's degrees are awarded in the following majors:*	*The doctoral degree is awarded with majors in the following:*
College of Architecture		
Architecture	Architecture	Architecture
Building Construction	City Planning	
Industrial Design		
College of Computing		
Computer Science	Bioengineering	Algorithms, Combinatorics, and Optimization
	Computer Science	Bioengineering
	Human - Computer Interaction	Computer Science
College of Engineering		
Aerospace Engineering	Aerospace Engineering	Aerospace Engineering
Chemical Engineering	Bioengineering	Algorithms, Combinatorics, and Optimization
Civil Engineering	Chemical Engineering	Bioengineering
Computer Engineering	Civil Engineering	Chemical Engineering
Electrical Engineering	Electrical Engineering	Civil Engineering
Industrial Engineering	Engineering Science and Mechanics	Electrical Engineering
Materials Engineering	Environmental Engineering	Engineering Science and Mechanics
Mechanical Engineering	Health Physics	Environmental Engineering
Nuclear and Radiological Engineering	Health Systems	Industrial Engineering
Polymer and Textile Chemistry	Industrial Engineering	Materials Science and Engineering
Textile Engineering	Materials Science and Engineering	Mechanical Engineering
Textiles	Mechanical Engineering	Nuclear Engineering
	Nuclear Engineering	Textile Engineering
	Operations Research	
	Polymers	
	Statistics	
	Textile Chemistry	
	Textile Engineering	
	Textiles	
Ivan Allen College		
Economics	Economics	Economics
History, Technology, and Society	History of Technology	History of Technology
International Affairs	Human - Computer Interaction	Management
Management	Information Design and Technology	Public Policy
Management Science	International Affairs	
Public Policy	Management	
Science, Technology, and Culture	Management of Technology	
	Public Policy	
	Statistics	
College of Sciences		
Applied Biology	Applied Biology	Algorithms, Combinatorics, and Optimization
Applied Mathematics	Applied Mathematics	Applied Biology
Applied Physics	Applied Physics	Chemistry
Applied Psychology	Chemistry	Earth and Atmospheric Sciences
Chemistry	Earth and Atmospheric Sciences	Mathematics
Discrete Mathematics	Human - Computer Interaction	Physics
Earth and Atmospheric Sciences	Physics	Psychology
Physics	Psychology	
	Statistics	

Source: Office of the Registrar

ACCREDITATION

Table 1.5 Accreditation Information

Professional Accreditation	Institutional Accreditation

College of Architecture

In the College of Architecture, the program leading to the Bachelor of Science in Industrial Design has been recognized by the Industrial Designers Society of America. The National Architectural Accrediting Board has accredited the curriculum leading to the Master of Architecture. The Master of City Planning degree program has been accredited by the Planning Accreditation Board.

College of Computing

The program leading to the Bachelor of Science in Computer Science is accredited by the Computing Sciences Accreditation Board.

College of Engineering

The Accreditation Board for Engineering and Technology has accredited the four-year engineering curricula leading to bachelor's degrees in the following fields: aerospace engineering; chemical engineering; civil engineering; computer engineering; electrical engineering; industrial engineering; materials engineering; mechanical engineering; nuclear engineering; and textile engineering; and a graduate program leading to a master's degree in the field of environmental engineering.

College of Sciences

The American Chemical Society has certified the curriculum leading to the Bachelor of Science in chemistry. The Human Factors and Ergonomics Society has accredited the Engineering Psychology Graduate Program.

Ivan Allen College of Management, Policy, and International Affairs

In the DuPree School of Management, all of the degree programs subject to the review of the American Assembly of Collegiate Schools of Business have been accredited by that organization. These programs include Bachelor of Science in Management, Bachelor of Science in Management Science, Master of Science in Management, Master of Science in Management of Technology, and Doctor of Philosophy in Management.

Institutional Accreditation

Georgia Tech is accredited by the Southern Association of Colleges and Schools (SACS). A self-study was conducted, and reaffirmation was awarded in 1994.

Source: Office of the President

PRESIDENTS OF GEORGIA TECH

Isaac S. Hopkins
1888-1896

Lyman Hall
1896-1905

Kenneth G. Matheson
1906-1922

Marion L. Brittain
1922-1944

Colonel Blake R. Van Leer
1944-1956

Paul Weber
Acting President
1956-1957

Edwin D. Harrison
1957-1969

Vernon Crawford
Acting President
1969

Arthur G. Hansen
1969-1971

James E. Boyd
Acting President
1971-1972

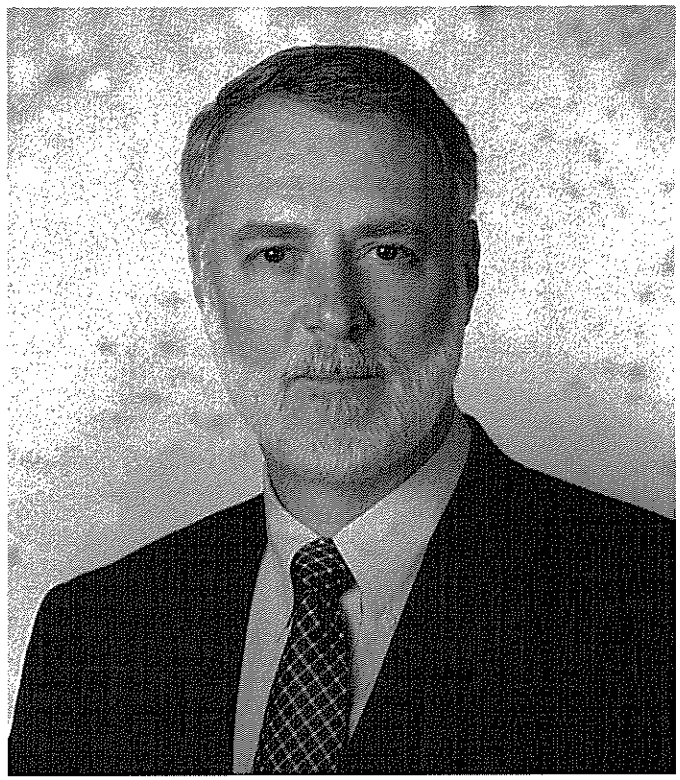
Joseph M. Pettit
1972-1986

Henry C. Bourne, Jr.
Acting President
1986-1987

John Patrick Crecine
1987-1994

Michael E. Thomas
Acting President
1994

G. Wayne Clough
1994-Present



In September, 1994, Dr. G. Wayne Clough became the tenth President of the Georgia Institute of Technology and the first alumnus to serve as president. Dr. Clough received his B.S. and M.S. in Civil Engineering from Georgia Tech in 1964 and 1965, respectively. He received his Ph.D. in 1969 from the University of California, Berkeley.

Dr. Clough has been a member of the faculty at Duke University, Stanford University, Virginia Tech, and the University of Washington. He was head of the Department of Civil Engineering at Virginia Tech from 1983-1990. Beginning in 1990, he served as Dean of Virginia Tech's College of Engineering, a position he held for three years. In 1993, Dr. Clough became the Provost and Vice President for Academic Affairs at the University of Washington, a position he held until he returned to his alma mater.

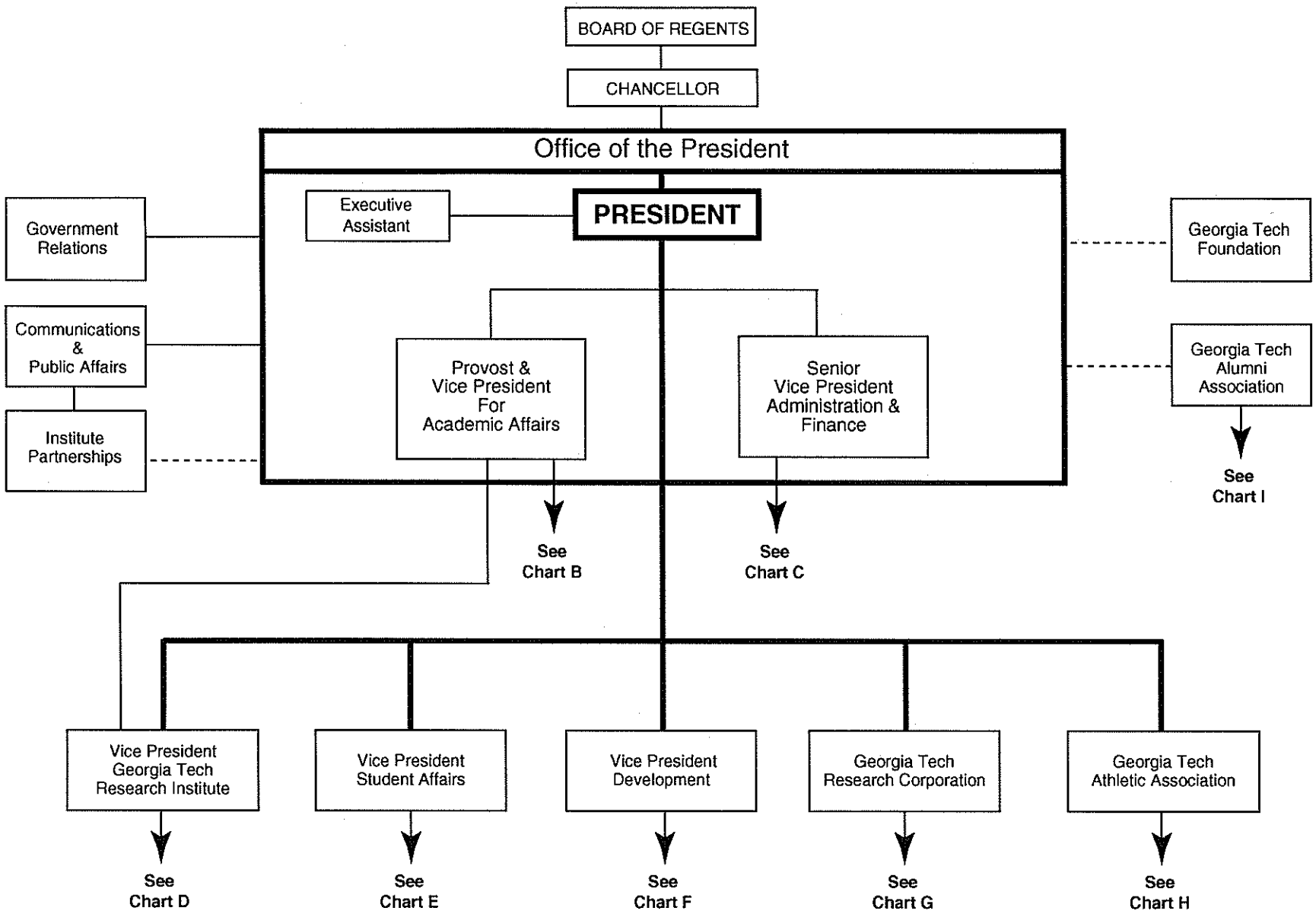
Dr. Clough's research interests lie in geotechnical engineering, including studies of earthquakes, numerical analysis, soil-structure interaction, in-situ testing, and underground openings. He has consulted with more than 70 firms and government agencies. Dr. Clough has published over 120 papers and reports and six book chapters and is the author of several widely used computer codes for geotechnical engineering.

Dr. Clough is the recipient of numerous awards and honors for his teaching and research including the 1994 Karl Terzaghi Lectureship from the American Society of Civil Engineers and the 1986 George Westinghouse Award from the American Society of Engineering Education. He has eight additional national awards from the American Society of Civil Engineers including their oldest and most prestigious award received in 1982 and 1996, the Norman Medal. He was elected to the National Academy of Engineering in 1990.

Source: Office of the President

Chart A

Georgia Institute of Technology
Presidential Organization Chart



ORGANIZATIONAL CHART

Fig. 1.3 Georgia Tech Organizational Chart

ORGANIZATIONAL CHART

Fig. 1.3 Georgia Tech Organizational Chart – *Continued*

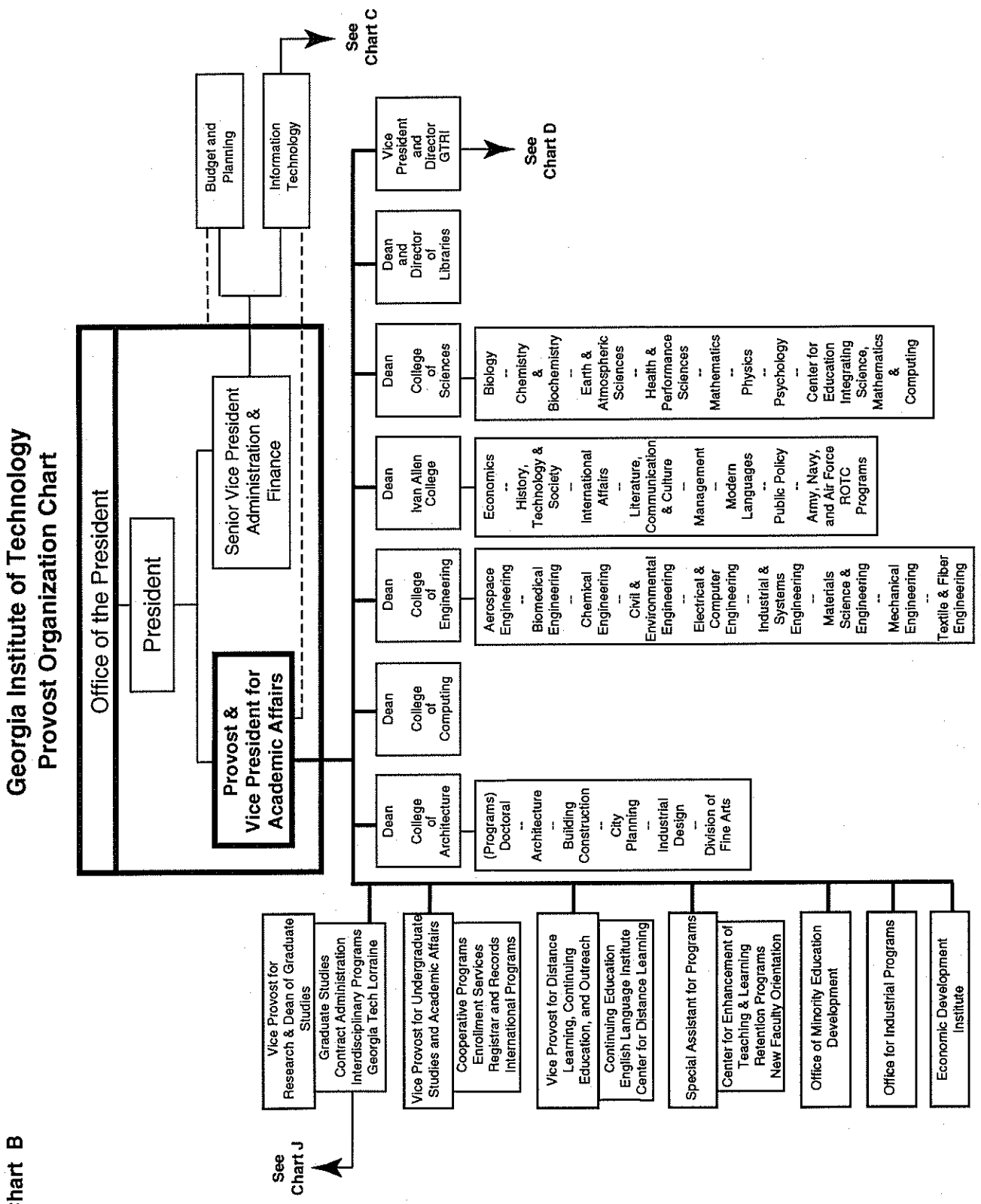
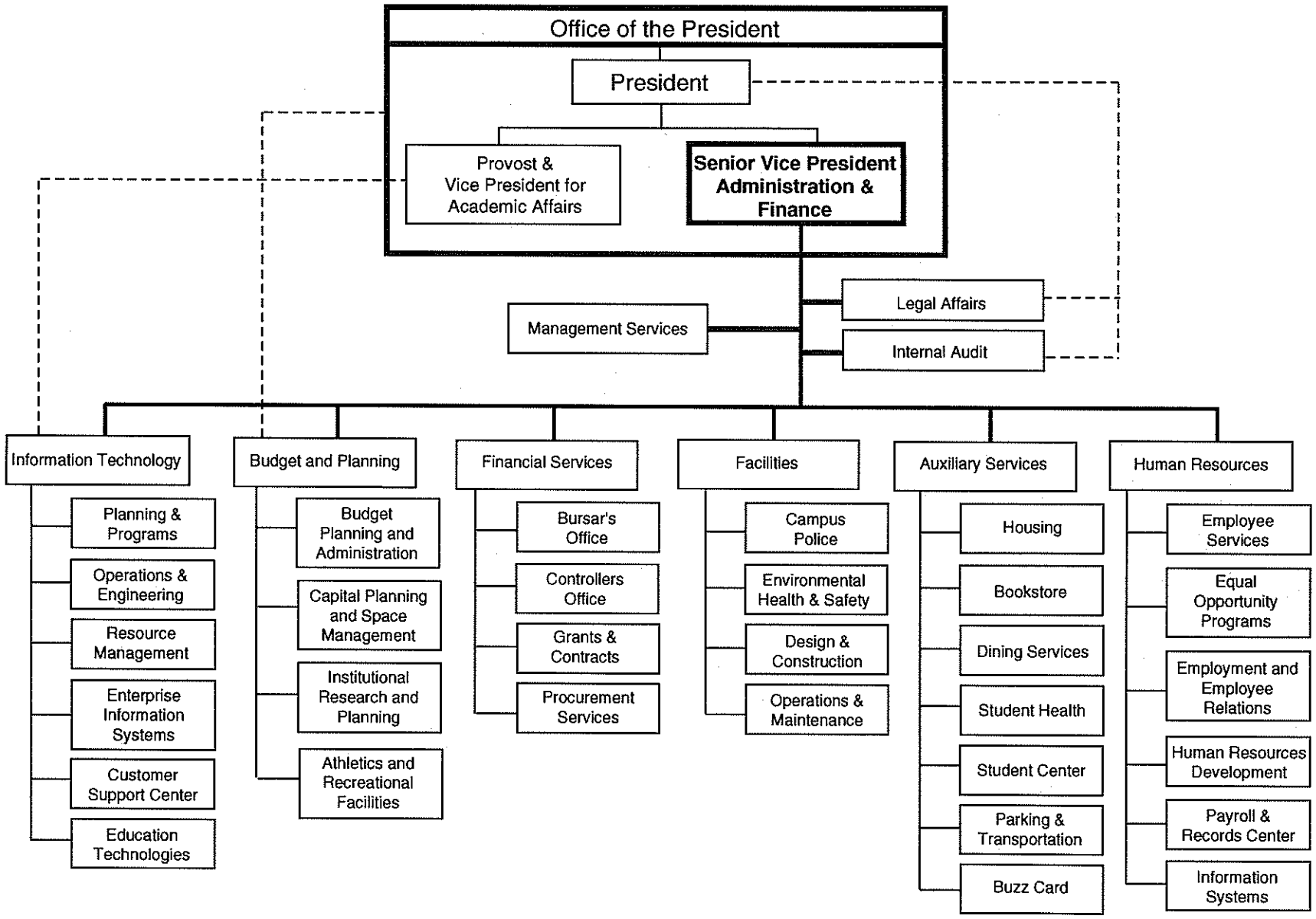


Chart C

Georgia Institute of Technology
Senior Vice President Organization Chart



ORGANIZATIONAL CHART

Fig. 1.3 Georgia Tech Organizational Chart – *Continued*

ORGANIZATIONAL CHART

Fig. 1.3 Georgia Tech Organizational Chart – *Continued*

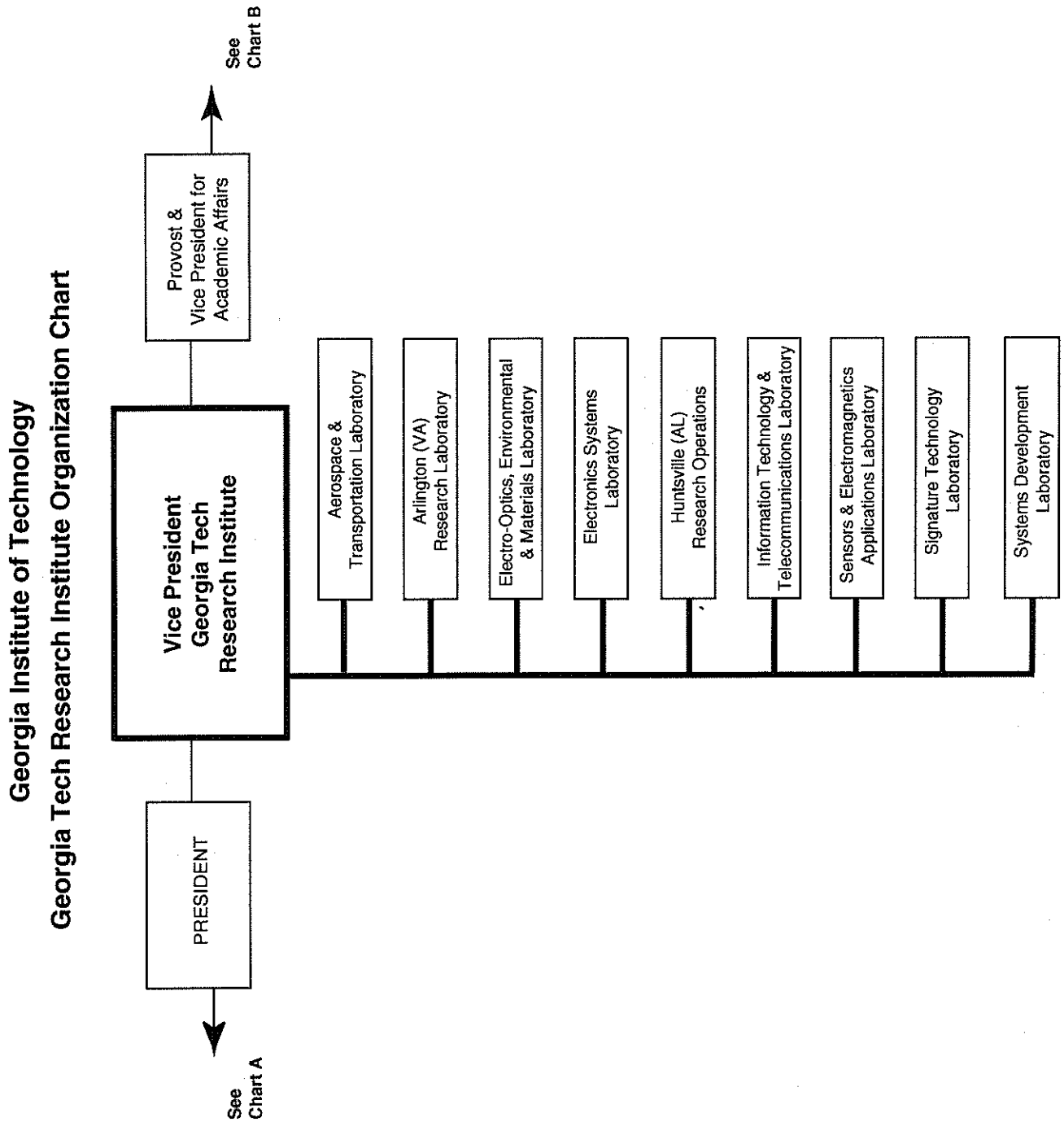


Fig. 1.3 Georgia Tech Organizational Chart – *Continued*

Chart E

Georgia Institute of Technology
Student Affairs Organization Chart

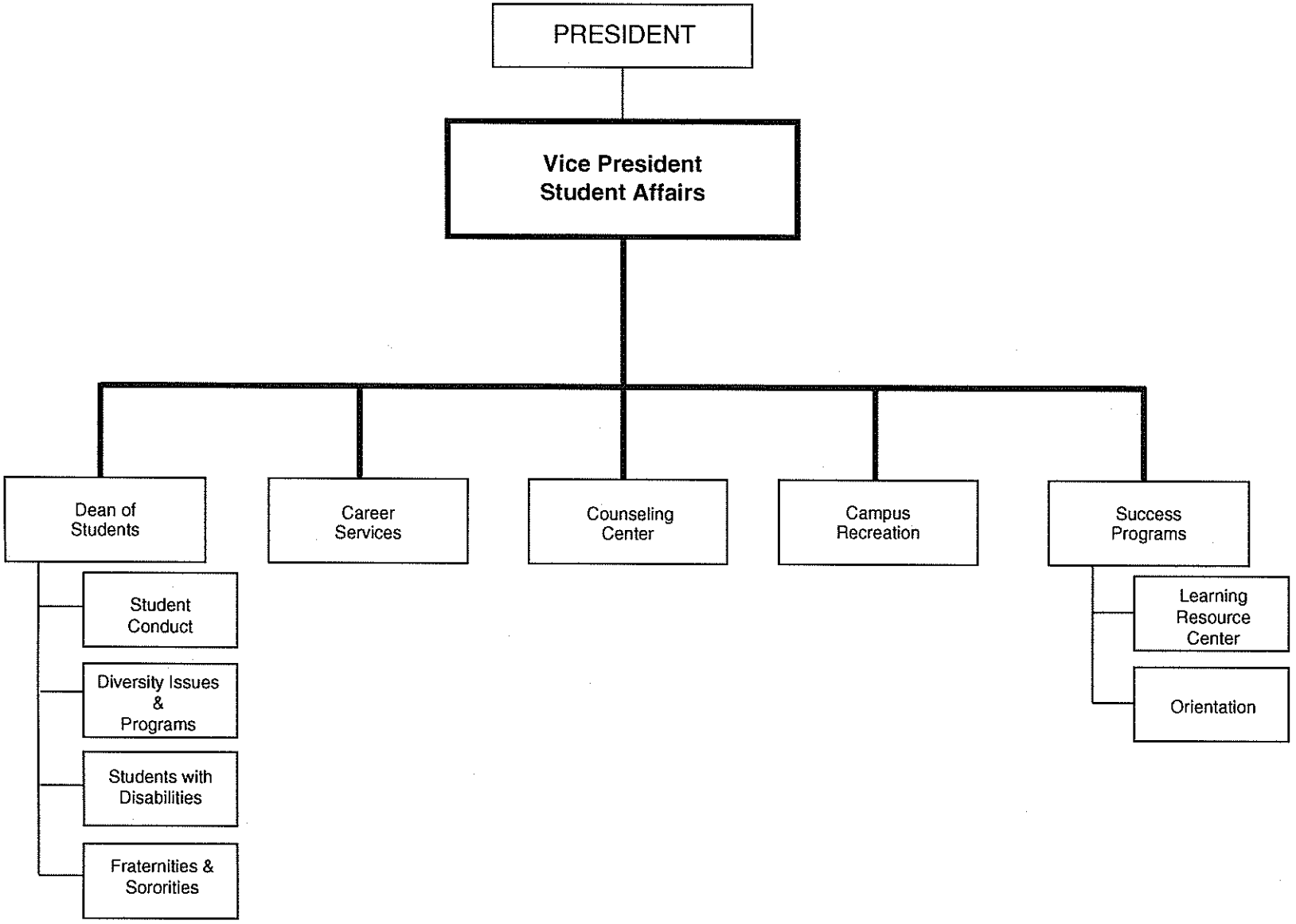
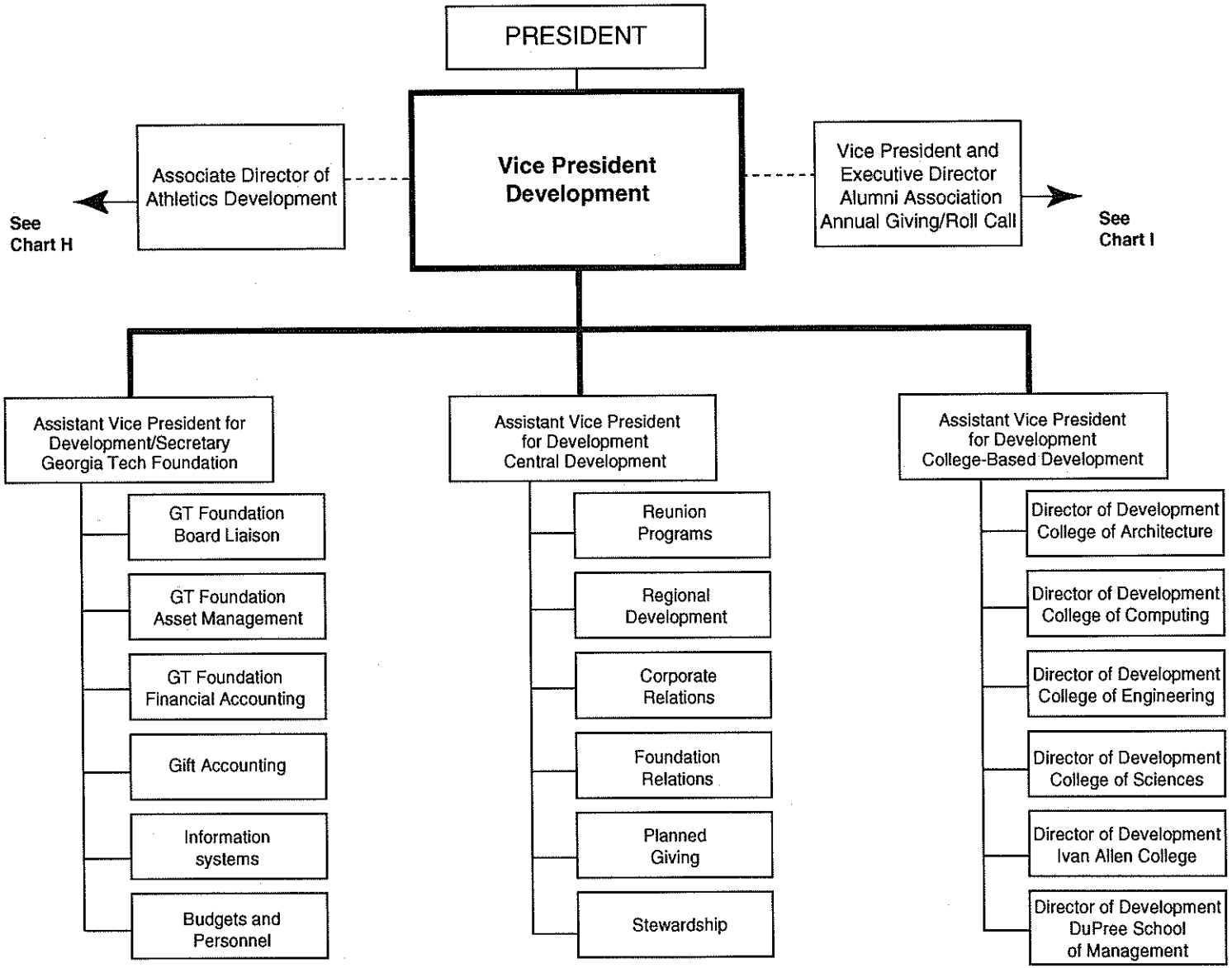


Chart F

Georgia Institute of Technology
Development Organization Chart



ORGANIZATIONAL CHART

Fig. 1.3 Georgia Tech Organizational Chart – *Continued*

Chart G

Georgia Institute of Technology
Georgia Tech Research Corporation

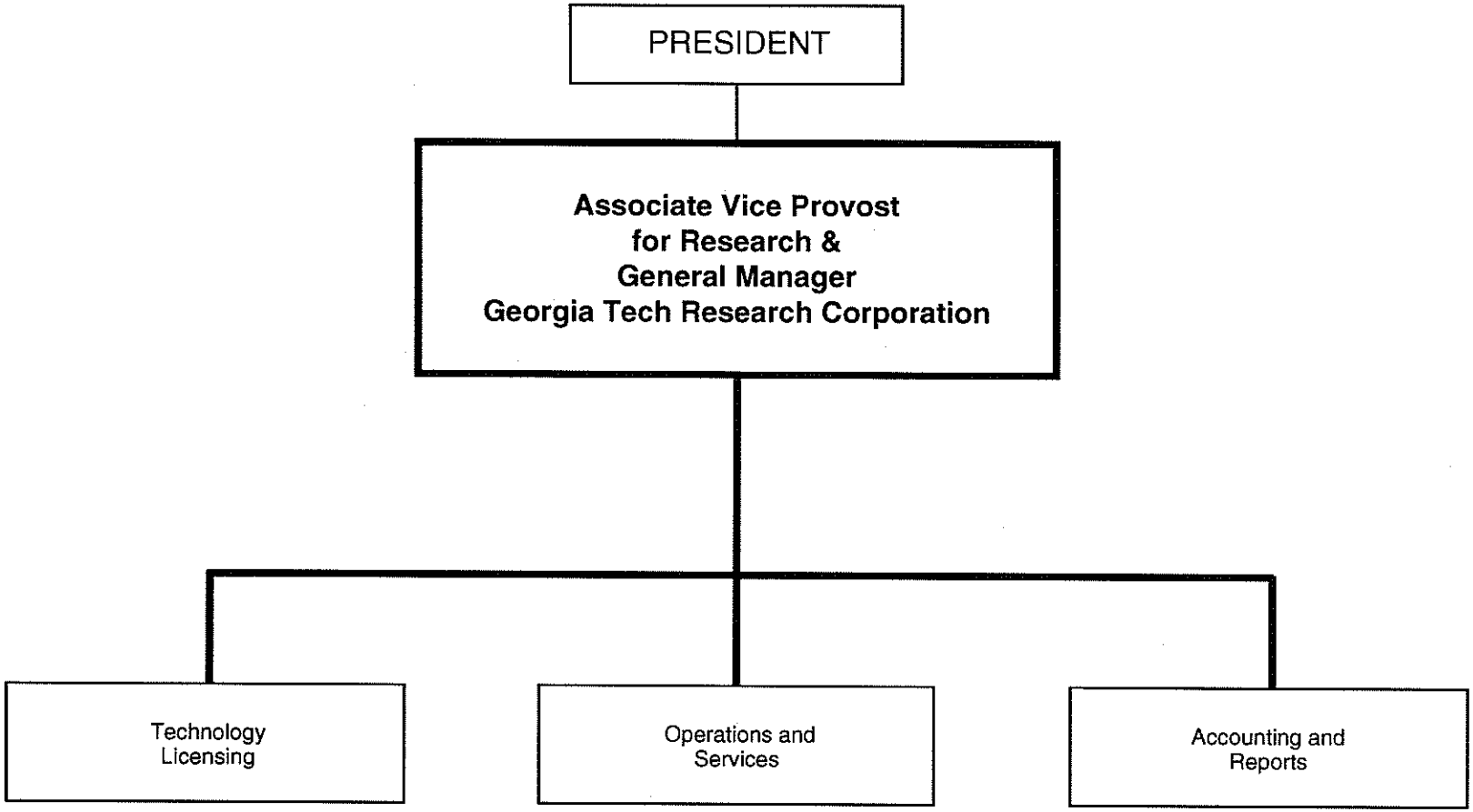
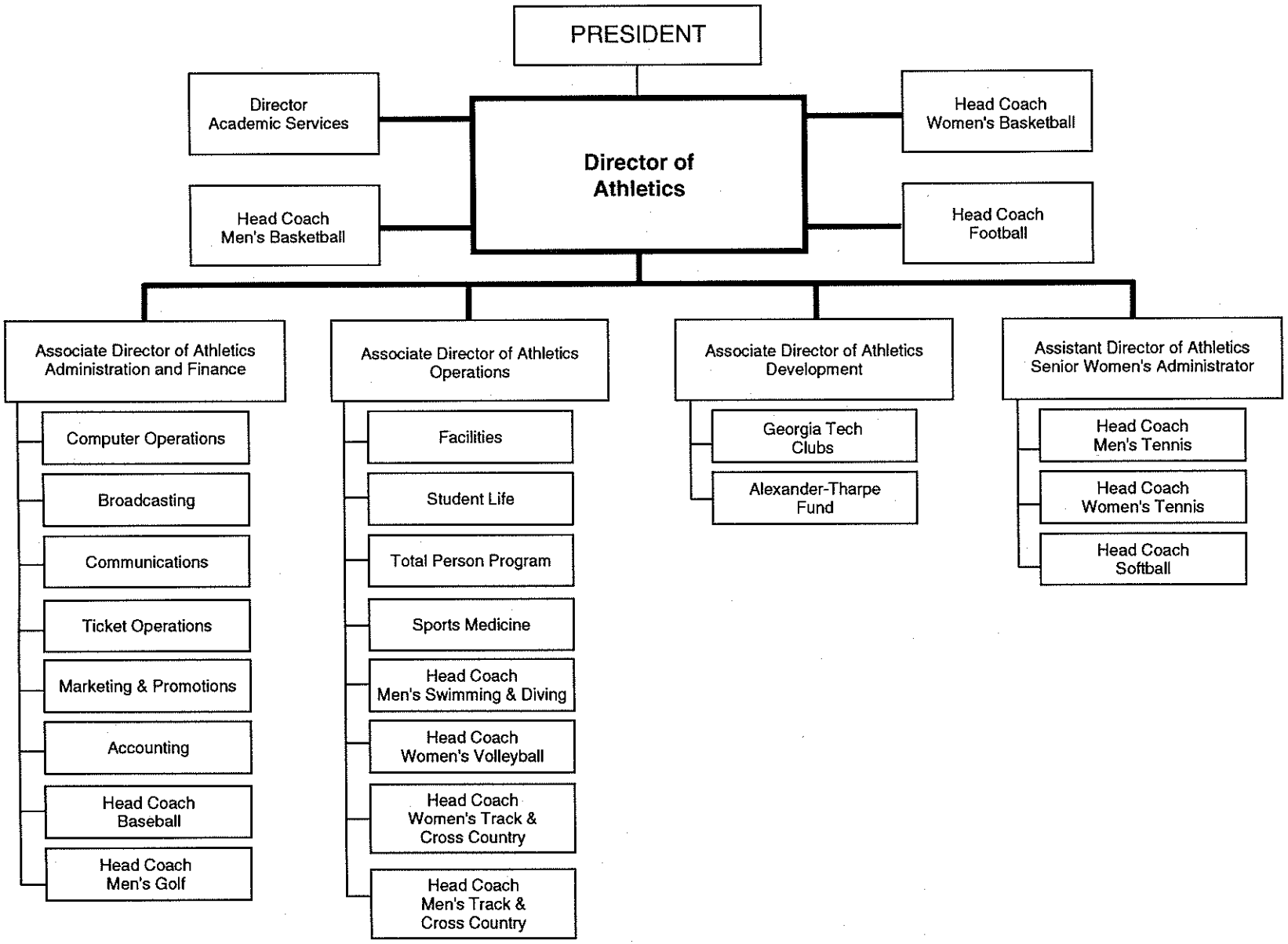


Fig. 1.3 Georgia Tech Organizational Chart – *Continued*

Chart H

Georgia Institute of Technology
Georgia Tech Athletic Association

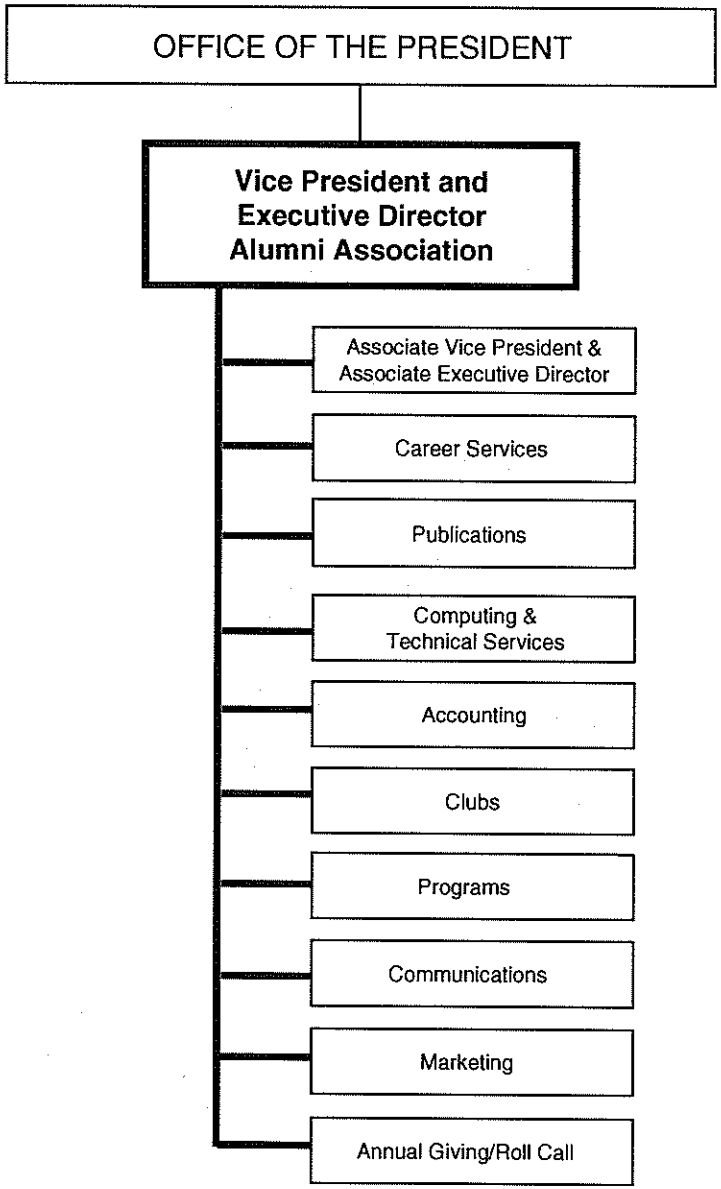


ORGANIZATIONAL CHART

Fig. 1.3 Georgia Tech Organizational Chart – *Continued*

Chart I

Georgia Institute of Technology
Georgia Tech Alumni Association



ORGANIZATIONAL CHART

Fig. 1.3 Georgia Tech Organizational Chart – *Continued*

Chart J

Interdisciplinary Centers of Georgia Tech

College of Architecture

Construction Research Center
--
Center for Rehabilitation Technology
--
Center for Geographic Information Systems

College of Computing

Graphics Visualization and Usability Center

College of Engineering

Composites Education and Research Center
--
Center of Excellence in Rotocraft Technology
--
Center for High Yield Pulp Science
--
Center for Human-Machine Systems Research
--
Center for Information Insertion
--
Center for Integrated Diagnostics
--
Center for Surface Engineering and Tribology
--
Computational Mechanics Center
--
Computer Aided Structural Engineering Center
--
Composites Manufacturing Research Programs
--
CALS Technology Center

College of Engineering - Continued

Electronic Commerce Resource Center
--
Engineering Computing Services
--
Fluid Properties Research Institute Industrial Associates Program
--
Fusion Research Center
--
Health Systems Research Center
--
Mechanical Properties Research Laboratory
--
National Textile Center
--
Neely Nuclear Research Center
--
Rapid Prototyping and Manufacturing Institute
--
Statistics Center
--
Technology Policy and Assessment Center
--
The Logistics Institute
--
University Center of Excellence for Photovoltaics Research

Ivan Allen College

Center for International Business Education and Research
--
Center for International Strategy, Technology, and Policy
--
Center for New Media Education and Research
--
Center for Quality and Change Leadership
--
China/U.S. Professional Exchange Program
--
DuPree Center for Entrepreneurship and New Venture Development
--
International Sports Business and Economics
--
Management of Technology Center
--
Southern Industrialization Center
--
Technology Policy and Assessment Center

College of Sciences

Center for Computational Materials Science
--
Center for Dynamical Systems and Nonlinear Studies
--
Molecular Design Institute

ORGANIZATIONAL CHART

Fig. 1.3 Georgia Tech Organizational Chart - *Continued*

Chart J - Cont.

Interdisciplinary Centers of Georgia Tech

Georgia Tech Research Institute

Center for Enterprise Systems
--
Economic Development Administration's University Center
--
Center for Geographic Information Systems
--
Georgia Procurement Assistance Center
--
Indoor Environment Research Consortium
--
Phosphor Technology Center of Excellence
--
Southeastern Trade Adjustment Assistance Center

Economic Development Institute

Advanced Technology Development Center
--
Center for International Standards and Quality
--
The Center for Public Buildings
--
Industrial Assessment Center
--
Center for Manufacturing Information Technology
--
Center for Strategic Improvement

Office of Interdisciplinary Programs

Air Resources and Engineering Center
--
Institute for Bioengineering and Bioscience
--
Biomedical Interactive Technology Center
--
Emory/Georgia Tech Biomedical Technology Research Center
--
GIT/MCG Biomedical Research and Education Center
--
Bioscience Center
--
Broadband Telecommunications Center
--
Center for Optical Science and Engineering
--
Environmental Resources Center
--
Georgia Center for Advanced Telecommunications Technology

Office of Interdisciplinary Programs - Continued

Georgia Water Research Institute
--
Manufacturing Research Center
--
Microelectronics Research Center
--
Interactive Media Technology Center
--
Office of Environmental Science, Technology, and Policy
--
Polymer Education and Research Center
--
Specialty Separations Center
--
Sports Materials Research and Technology Center
--
Center for Sustainable Technology
--
Georgia Transportation Institute

ADMINISTRATION

Table 1.6 Senior Administrators

Name	Area
	Office of the President
G. Wayne Clough	President
Mark J. T. Smith	Executive Assistant to the President
Michael E. Thomas	Provost & Vice President for Academic Affairs
Robert K. Thompson	Senior Vice President, Administration and Finance
Andrew J. Harris	Special Assistant to the President/Director, Government Relations
Robert T. Harty	Executive Director, Communications & Public Affairs
Andrea Ashmore	Special Assistant to the President/Director, Institute Partnerships
	Provost & Vice President for Academic Affairs
Michael E. Thomas	Provost & Vice President for Academic Affairs
Vacant	Vice Provost for Research and Dean of Graduate Studies
J. W. Dees	Associate Vice Provost for Research and Director, Office of Contract Administration
G. Duane Hutchison	Associate Director, Office of Contract Administration
Maureen Kilroy	Assistant Dean, Graduate Studies
Keith Oden	Director, Graduate Co-op and Fellowship Programs
Hans Puttgen	Director, Georgia Tech Lorraine
Joseph S. DiGregorio	Vice Provost for Distance Learning, Continuing Education, and Outreach
Joseph S. Boland	Director, Center for Distance Learning
Diana L. Turner	Director, Continuing Education
Charles R. McCullough	Director, Finance
Carole L. Bennett	Director, Marketing
Charles Windish	Director, Language Institute
Robert C. McMath	Vice Provost for Undergraduate Studies and Academic Affairs
Thomas M. Akins	Director, Cooperative Education
Barbara Hall	Associate Vice President, Enrollment Services
Jerry McTier	Director, Financial Aid
Paul Hurst	Director, Special Programs
William Pouncey	Director, Audits, Policy & Procedures
Deborah Smith	Director, Admissions
William M. Templeton	Director, International Student Services and Programs
Frank E. Roper, Jr.	Registrar
M. Jo McIver	Associate Registrar
Annette Satterfield	Associate Registrar
Scott Verzyl	Assistant Registrar
Gordon Wishon	Associate Vice President/Associate Vice Provost, Information Technology
Edward K. Reedy	Vice President and Director, Georgia Tech Research Institute
Wayne Hodges	Director, Economic Development Institute/Director, Advanced Technology Development Center
Orlando Feorene	Director, Industrial Programs
David J. McGill	Special Assistant for Programs and Director, Center for the Enhancement of Teaching and Learning
Gavin Samms	Director, Office of Minority Educational Development
	Senior Vice President/Administration & Finance
Robert K. Thompson	Senior Vice President, Administration and Finance
Chuck Donbaugh	Associate Vice President, Human Resources
Patricia Brook	Director, Payroll
Russ Cappello	Director, Employment & Employee Relations
Cecil Duvall	Director, Human Resource Information Services
Jean Fuller	Director, Faculty/Staff Support Services
Deborah Wilson	Director, Human Resource Development
Pearl Alexander	Acting Director, Equal Opportunity Programs
Rosalind R. Meyers	Associate Vice President, Auxiliary Services
F. Glenn Boyett	Director, Auxiliary Services Information Technology
Sheryll Dahlke	Director, Auxiliary Services Finance

ADMINISTRATION

Table 1.6 Senior Administrators – *Continued*

	Senior Vice President/Administration & Finance - *Continued*
Blaise Morrissey	Director, Student Health Center
John Nolte	Director, Parking and Transportation
James Pete	Director, Buzz Card Center
Marcia Rafig	Interim Director, Housing
Reza Rafizadeh	Director, Campus Dining Services
Gerald Ritchie	Director, Bookstore
Terry Sichta	Special Assistant to the Associate Vice President, Auxiliary Services
Rich Steele	Director, Student Center
Douglas Tucker	Program Coordinator, Auxiliary Services
Joel E. Hercik	Associate Vice President, Financial Services
Henry Spinks	Controller
Bruce Spratt	Director, Accounting Services
Carol Payne	Bursar
Tom Pearson	Director, Procurement Services
Chuck Duffy	Interim Director, Grants and Contracts Accounting
Randy Nordin	Chief Legal Advisor
Gail Gunnells	Deputy Chief Legal Advisor
Charles G. Rhode	Associate Vice President, Facilities
Warren Page	Director, Operations and Maintenance
Michael Patterson	Director, Design and Construction
Vacant	Director, Environmental Health and Safety
Jack Vickery	Chief of Police
Steven G. Swant	Associate Vice President, Budget and Planning
C. Evan Crosby	Interim Budget Director/Special Assistant to Associate Vice President
Vacant	Budget Director
Sandi Bramblett	Acting Director, Institutional Research and Planning
Vacant	Director, Capital Planning and Space Management
Michael Edwards	Director, Athletics & Recreational Facilities Planning
Gordon D. Wishon	Associate Vice President/Associate Vice Provost, Information Technology
John Mullin	Executive Director
Linda Cabot	Director, Customer Support
Vacant	Director, Operations and Engineering
Janet Leininger	Associate Director, Operations and Engineering
James O'Connor	Director, Enterprise Information Systems
Lori Sundal	Associate Director, Enterprise Information Systems
Robert O'Halloran	Director, Resource Management
Steven Teal	Director, Educational Technologies
Mike Brandon	Director, Planning and Programs
Hal Irvin	Director, Management Services
H.T. Marshall	Director, Internal Auditing

	Vice President/Student Affairs
Lee Wilcox	Vice President
Gail DeSabatino	Dean of Students
Scott A. Friedman	Acting Senior Associate Dean
Stephanie Ray	Associate Dean/Director of Diversity Issues and Programs
Katy Landers	Assistant Dean/Director of Services for Students with Disabilities
William Barnes	Assistant Dean/Director of Fraternities and Sororities
John Hannabach	Director of Career Services
Carolyn Wierson	Acting Director, Counseling Center
Butch Stanphill	Director of Campus Recreation
Bill Osher	Director of Success Programs
Joann Ward	Director of Learning Resource Center
Karen Kellogg	Director of Orientation

ADMINISTRATION

Table 1.6 Senior Administrators – *Continued*

	Vice President/Development
Barrett Carson	Acting Vice President
Patrick J. McKenna	Assistant Vice President/Secretary, Georgia Tech Foundation
Vacant	Assistant Vice President Central Development
Vacant	Assistant Vice President College-Based Development
	General Manager/Georgia Tech Research Corporation
Jilda D. Garton	Associate Vice Provost for Research/General Manager, Georgia Tech Research Corporation
Barry Rosenberg	Director, Technology Licensing
Nicolas Perez	Director, Operations and Services
Barbara Alexander	Director, Accounting and Reports
	Athletic Association
David T. Braine	Director of Athletics
Carole Moore	Director, Academic Services
Agnus Berenato	Head Coach, Women's Basketball
Bobby Cremins	Head Coach, Men's Basketball
George O'Leary	Head Coach, Football
Jeff Bourne	Associate Director of Athletics Administration and Finance
Anthony Bridges	Director, Computer Operations
Wes Durham	Director, Broadcasting
Mike Finn	Director, Communications
Mary Fowler	Director, Ticket Operations
Rob Olin	Director, Marketing and Promotions
Mollie Simmons	Director, Accounting
Danny Hall	Head Coach, Baseball
Bruce Heppler	Head Coach, Men's Golf
Sterling Brown	Associate Director of Athletics Operations
Rauna Fuller	Director, Facilities
Kent Hill	Director, Student Life
Lawton Hydrick	Director, Total Person Program
Jay Shoop	Director, Sports Medicine
Seth Baron	Head Coach, Men's Swimming and Diving
Shelton Collier	Head Coach, Women's Volleyball
Alan Drosky	Head Coach, Women's Track and Cross Country
Grover Hinsdale	Head Coach, Men's Track and Cross Country
Jack Thompson	Associate Director of Athletics Development
Leslie Hammond	Director, Georgia Tech Clubs
Susan Phinney	Vice President, Alexander-Tharpe Fund
Joe Siffri	Director, Alexander-Tharpe Fund
Ida Neal-Smith	Assistant Director of Athletics/Senior Women's Administrator
Jean Desdunes	Head Coach, Men's Tennis
Sue Hutchinson	Head Coach, Women's Tennis
Regina Tomaselli	Head Coach, Softball
	Alumni Association
John B. Carter, Jr.	Vice President and Executive Director of the Georgia Tech Alumni Association
Stacy S. Sapp	Associate Vice President and Associate Executive Director
Kathryn Chambless	Director, Career Services
John Dunn	Director, Publications
Jack Henderson	Director, Computing and Technical Services
Allison Hickman	Director, Accounting
Jimmy Jarrard	Director, Clubs

ADMINISTRATION

Table 1.6 Senior Administrators – *Continued*

	Alumni Association - *Continued*
Beth Price	Director, Programs
Marilyn Somers	Director, Communications
Robb Stanek	Director, Marketing
Vacant	Director, Annual Giving
	Georgia Tech Research Institute
Edward K. Reedy	Vice President and Director
Janice P. Rogers	Director, Administration
George B. Harrison	Director, Research Operations
Charles E. Brown	Director, Research Support and Finance
James W. Cofer	Director, Business Development
David E. Parekh	Interim Director, Aerospace and Transportation Laboratory
W. Edward Eagar	Director, Arlington (VA) Research Laboratory
Nile F. Hartman	Interim Director, Electro-Optics, Environment and Materials Laboratory
William S. Rogers	Interim Director, Electronic Systems Laboratory
Richard P. Stanley	Director, Huntsville (AL) Research Operations
Randolph M. Case	Director, Information Technology and Telecommunications Laboratory
Robert N. Trebits	Director, Sensors and Electromagnetics Applications Laboratory
John G. Meadors	Director, Signature Technology Laboratory
Jeffrey J. Sitterle	Director, Systems Development Laboratory
	Economic Development Institute
Wayne Hodges	Director, Economic Development Institute/Director, Advanced Technology Development Center
Larry Alford	Director, North Georgia Regional Offices
David Clifton	Director, Management Systems Centers
Sherman Dudley	Director, South Georgia Regional Offices
Rick Duke	Director, Economic Development Services
Charles Estes	Director, Operations and Finance
Dwight Holter	Director, New Enterprise Development
Paul Lewis	Director, Business Assistance Centers
John Myers	Director, Center for Public Buildings
Susan Shows	Director, Traditional Industries Program
Bob Springfield	Director, Manufacturing Systems Centers
John Toon	Director, Research News and Publication Office
	College of Architecture
Thomas D. Galloway	Dean
Thomas N. Debo	Associate Dean, Academic and Student Affairs
Uma Amirtharajah	Director, Administration
Jean D. Wineman	Director, Doctoral Program
John A. Kelly	Director, Architecture Program
Roozbeh Kangari	Director, Building Construction Program
Steven P. French	Director, City Planning Program
William C. Bullock	Director, Industrial Design Program
James G. Johnson	Interim Director, Art and Technology Program/Head, Department of Music
Joseph A. Koncelik	Director, Center for Rehabilitation Technology
Roozbeh Kangari	Co-Director, Construction Research Center
Jorge A. Vanegas	Co-Director, Construction Research Center
Steven P. French	Director, Center for Geographic Information Systems

ADMINISTRATION

Table 1.6 Senior Administrators – *Continued*

	College of Computing
Peter A. Freeman	Dean
Richard J. LeBlanc	Associate Dean
Kurt Eiselt	Assistant Dean
Tom Pilsch	Assistant Dean, Continuing Education
Vicky Jackson	Director, Administration
David Leonard	Director, Computing Network Services
Molly Croft	Director, External Affairs
Jarek Rossignac	Director, Graphics, Visualization and Usability Center

	College of Enginering
Jean-Lou Chameau	Dean
J. Narl Davidson	Associate Dean
Jack R. Lohmann	Associate Dean
Lytia R. Howard	Assistant Dean
Jane G. Weyant	Assistant Dean
Ann Minor	Director, Administration
Dale Atkins	Director, Continuing Education
Marta Garcia	Director, Development
Robert Haley	Director, Special Projects
Robert G. Loewy	Chair, School of Aerospace Engineering
Don Giddens	Chair, School of Biomedical Engineering
Ronald W. Rousseau	Chair, School of Chemical Engineering
Michael D. Meyer	Chair, School of Civil and Environmental Engineering
Roger P. Webb	Chair, School of Electrical and Computer Engineering
John J. Jarvis	Chair, School of Industrial and Systems Engineering
Ashok Saxena	Chair, School of Materials Science and Engineering
Ward O. Winer	Chair, The George W. Woodruff School of Mechanical Engineering
Fred L. Cook	Chair, School of Textile and Fiber Engineering
W. Steven Johnson	Director, Composites Education and Research Center
Daniel P. Schrage	Director, Center of Excellence in Rotocraft Technology
Jeffery S. Hsieh	Director, Center for High Yield Pulp Science
Christine Mitchell	Director, Center for Human-Machine Systems Research
Vellapillil Gourisankar	Director, Center for Information Insertion
Ward O. Winer	Director, Center for Integrated Diagnostics
Steven Danyluk	Director, Center for Surface Engineering and Tribology
Satya N. Atluri	Director, Computational Mechanics Center
Leroy Z. Emkin	Director, Computer Aided Structural Engineering Center
John Muzzy	Director, Composites Manufacturing Research Program
Robert E. Fulton	Director, Electronic Commerce Resource Center
James I. Craig	Co-Director, Electronic Commerce Resource Center
Sandra Pierotti	Director, Engineering Computing Services
Amyn S. Teja	Director, Fluid Properties Research Institute Industrial Associates Program
Weston M. Stacey, Jr.	Director, Fusion Research Center
Justin Myrick	Director, Health Systems Research Center
Hugh D. Ratliff	Director, The Logistics Institute
David L. McDowell	Director, Mechanical Properties Research Laboratory
Fred L. Cook	Director, National Textile Center
Nolan E. Hertel	Director, Neely Nuclear Research Center
Thomas Graver	Director, Rapid Prototyping and Manufacturing Institute
Russell G. Heikes	Director, Statistics Center
Alan L. Porter	Director, Technology Policy and Assessment Center
Ajeet Rohatgi	Director, University Center of Excellence for Photovoltaic Research

ADMINISTRATION

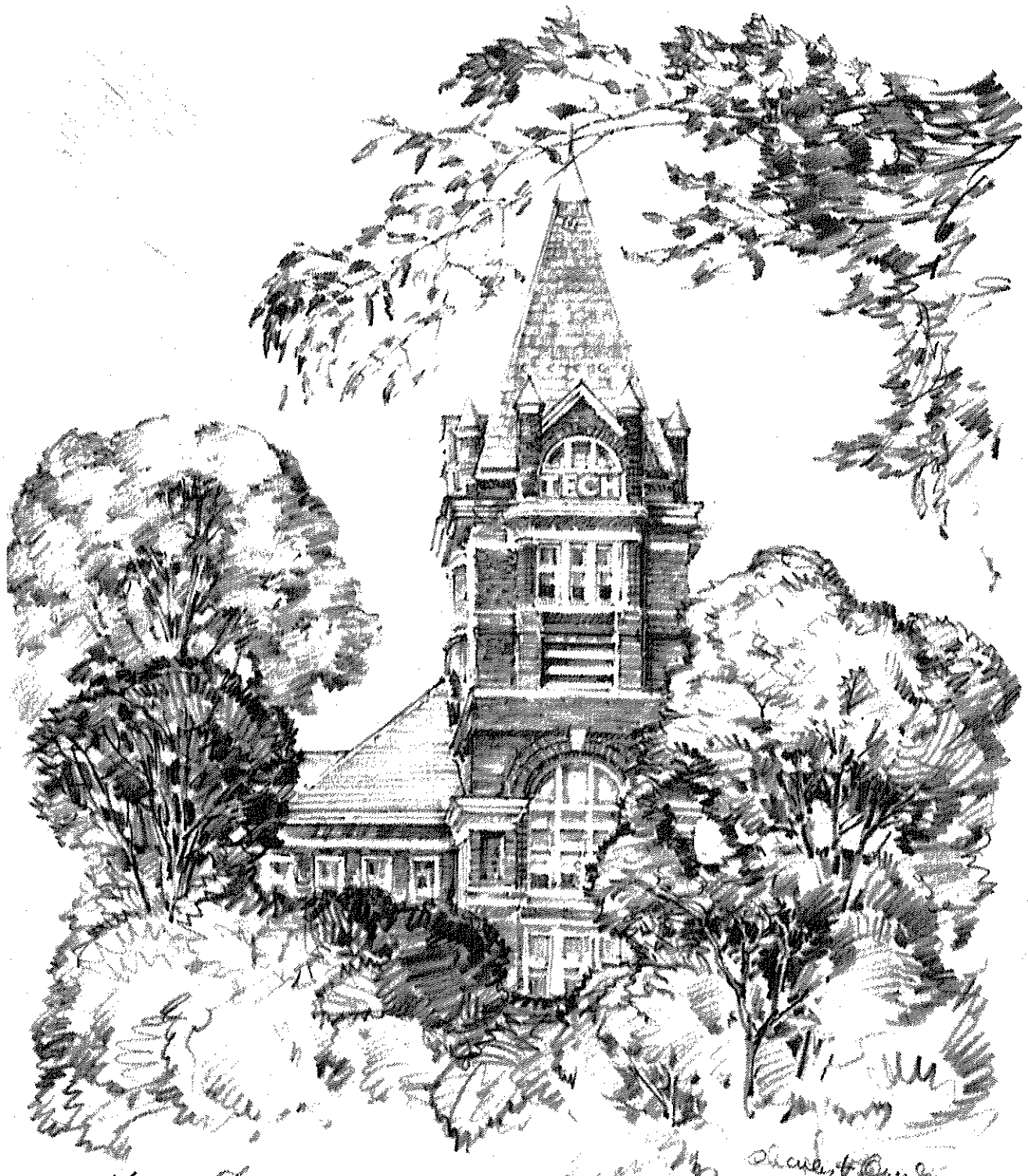
Table 1.6 Senior Administrators – *Continued*

	Ivan Allen College
Robert G. Hawkins	Dean
Kenneth J. Knoespel	Associate Dean
Lloyd L. Byars	Acting Dean, The DuPree School of Management/Associate Dean, Ivan Allen College
Andrew J. Cooper III	Assistant Dean
James R. Brannen	Director, Administration and Budgets
Peter Vantine	Director, Executive Education
Catherine Inabnit	Regional Director, Major Gifts
Christine Ries	Chair, School of Economics
Gregory H. Nobles	Chair, School of History, Technology, and Society
Linda P. Brady	Chair, The Sam Nunn School of International Affairs
Richard Grusin	Chair, School of Literature, Communication, and Culture
Barry Bozeman	Chair, School of Public Policy
Heidi M. Rockwood	Head, Department of Modern Languages
Lt. Col. Jerry Houston	Head, Department of Military Science
Capt. Ralph Coon	Head, Department of Naval Science
Col. James Davis	Head, Department of Aerospace Studies
John E. Endicott	Director, Center for International Strategy, Technology, and Policy
John Heetderks	Director, China/U.S. Professional Exchange Program
Terry Blum	Director, DuPree Center for Entrepreneurship and New Venture Development
John R. McIntyre	Director, Center for International Business Education and Research
Alan L. Porter	Director, Technology Policy and Assessment Center
J. David Roessner	Co-Director, Technology Policy and Assessment Center
Rich Daniels	Director, Management of Technology Center
Malcolm MacKenzie	Director, International Sports Business and Economics
Jay Bolter	Director, Center for New Media Education and Research
Gregory Nobles	Director, Southern Industrialization Center
Soumen Ghosh	Director, Center for Quality and Change Leadership
	College of Sciences
Gary B. Schuster	Dean
Anderson D. Smith	Associate Dean
E. Kent Barefield	Associate Dean
Jan Brown	Director, Administration
Kurt Rachwitz	Director, Development
Roger M. Wartell	Chair, School of Biology
Laren M. Tolbert	Chair, School of Chemistry and Biochemistry
Derek M. Cunnold	Acting Chair, School of Earth and Atmospheric Sciences
Shui-Nee Chow	Chair, School of Mathematics
Rajarshi Roy	Chair, School of Physics
Randall W. Engle	Chair, School of Psychology
Robert J. Gregor	Head, Department of Health and Performance Sciences
Paul A. Ohme	Director, Center for Education Integrating Science, Mathematics, and Computing (CEISMC)
Uzi Landman	Director, Center for Computational Materials Science
Jack K. Hale	Director, Center for Dynamical Systems and Nonlinear Studies (CDSNS)
William S. Rees, Jr.	Director, Molecular Design Institute
	Libraries
Miriam A. Drake	Dean and Director
Julia Zimmerman	Associate Director

ADMINISTRATION

Table 1.6 Senior Administrators – *Continued*

	Interdisciplinary Programs
Vacant	Vice Provost for Research and Dean of Graduate Studies
Jean Gunter	Director, Administration
John Limb	Director, Broadband Telecommunications Center
William T. Rhodes	Director, Center for Optical Science and Engineering
Bernd Kahn	Director, Environmental Resources Center
J. Michael Cummins	Director, Georgia Center for Advanced Telecommunications Technology
Robert Nerem	Director, Parker H. Petit Institute for Bioengineering and Bioscience
Ajit Yoganathan	Director, Bioengineering Research Center
Ajit Yoganathan	Director, Emory/Georgia Tech Biomedical Technology Research Center
Michael Burrow	Director, Biomedical Interactive Technology Center
Michael Burrow	Director, GIT/MCG Biomedical Research and Education Center
Sheldon May	Director, Bioscience Center
Steven Danyluk	Director, Manufacturing Research Center
James Meindl	Director, Microelectronics Research Center
Michael J. Sinclair	Director, Interactive Media Technology Laboratory
F. Michael Saunders	Director, Office of Environmental Science, Technology, and Policy
A. S. Abhiraman	Director, Polymer Education and Research Center
Charles A. Eckert	Director, Specialty Separations Center
Carol Foley	Executive Director, Center for Sustainable Technology
Aris Georgakakos	Director, Georgia Water Research Institute
Robert Cassanova	Interim Director, Georgia Transportation Institute
Shaw Liu	Director, Air Resources and Engineering Center
Robert Gregor	Director, Center for Human Movement Studies



Tech Tower
Georgia Institute of Technology Atlanta, Georgia

Student Profiles

Georgia Institute of Technology

QUICK FACTS

Students

- The Georgia Tech Cumulative Average Recentered SAT for Entering Freshmen, Fall Quarter 1997:

Verbal		Math		Composite
M	F	M	F	
631	633	681	652	1,305

- Admissions, Fall Quarter 1997:

	Number Applied	Number Accepted	% of Applied Accepted	Number Enrolled	% of Applied Enrolled	% of Accepted Enrolled
Freshman	7,676	4,702	61%	1,848	24%	39%
Transfer	866	383	44%	323	37%	84%
Graduate	4,779	2,059	43%	936	20%	45%

- Students at Georgia Tech represent 107 different countries
- Fall Quarter 1997 Enrollment by College:

Undergraduate	
Architecture	552
Computing	948
Engineering	5,817
Ivan Allen	1,247
Sciences	868
Total	**9,594**

Graduate	
Architecture	227
Computing	196
Engineering	2,200
Ivan Allen	416
Sciences	453
Total	**3,492**

- Fall Quarter 1997 Graduate Enrollment by Degree Program (Includes both full- and part-time Ph.D. and M.S. students; does not include special students)

Architecture		Computing		Engineering		Ivan Allen		Sciences		Total	
M.S.	Ph.D.	M.S.	Ph.D.	M.S.	Ph.D.	M.S.	Ph.D.	M.S.	Ph.D.	M.S.	Ph.D.
191	32	59	129	1,029	1,117	367	39	87	361	1,733	1,678

- Degrees Conferred (Summer through Spring Quarters), Academic Year 1997

College	Bachelor's	Master's	Ph.D.
Architecture	91	83	4
Computing	79	46	13
Engineering	1,230	558	152
Ivan Allen	258	156	3
Sciences	136	52	52

SCHOLASTIC ASSESSMENT TEST (SAT) SCORES

Table 2.1 Averages for Entering Freshmen, Fall Quarters 1991-1997*

Fall Quarter	Verbal		Math		Composite
	Male	Female	Male	Female	
	Georgia Tech Cumulative Enrollment Average SAT				
1997	631	633	681	652	1,305
1996	623	627	683	653	1,298
1995	560	563	679	646	1,232
1994	562	563	681	646	1,233
1993	559	552	679	638	1,232
1992	558	549	674	633	1,226
1991	542	529	661	618	1,203

Table 2.2 Averages for Entering Freshmen, Academic Years 1987-88 to 1996-97*

Year	Verbal		Math		Composite
	Male	Female	Male	Female	
	Georgia Tech Cumulative Enrollment Average SAT				
1996-97	613	618	660	636	1,268
1995-96	619	624	659	637	1,281
1994-95	553	555	671	637	1,215
1993-94	554	548	675	633	1,218
1992-93	558	548	673	634	1,218
1991-92	541	529	660	617	1,187
1990-91	538	529	655	625	1,183
1989-90	536	520	649	607	1,172
1988-89	537	530	649	612	1,175
1987-88	542	534	656	616	1,188

Year	Verbal		Math		Composite
	Male	Female	Male	Female	
	National Average SAT				
1996-97	507	503	530	494	1,016
1995-96	507	503	527	492	1,014
1994-95	429	426	503	463	910
1993-94	425	421	501	460	902
1992-93	428	420	502	457	904
1991-92	428	419	499	456	899
1990-91	426	418	497	453	896
1989-90	429	419	499	455	900
1988-89	434	421	500	454	903
1987-88	435	422	498	455	904

* Effective 1996, reported SAT scores are recentered.

Source: Office of Undergraduate Admissions

ADMISSIONS

Table 2.3 Freshman Admissions

	Number Applied	Number Accepted	% of Applied Accepted	Number Enrolled	% of Applied Enrolled	% of Accepted Enrolled
	Year and College, Fall Quarters 1993-1997					
1997						
Architecture	512	241	47%	108	20%	45%
Computing	682	396	58%	195	29%	49%
Engineering	4,673	2,957	63%	1,122	24%	38%
Ivan Allen	715	404	57%	176	25%	44%
Sciences	1,055	676	64%	220	21%	33%
Special Non-Degree	39	28	72%	27	69%	96%
Total	**7,676**	**4,702**	**61%**	**1,848**	**24%**	**39%**
1996						
Architecture	539	213	40%	90	17%	42%
Computing	624	335	54%	176	28%	53%
Engineering	4,806	2,759	57%	1,156	24%	42%
Ivan Allen	690	345	50%	154	22%	45%
Sciences	1,234	752	61%	267	22%	36%
Total	**7,893**	**4,404**	**56%**	**1,843**	**23%**	**42%**
1995						
Architecture	521	227	44%	89	17%	39%
Computing	505	306	61%	163	32%	53%
Engineering	4,646	2,972	64%	1,197	26%	40%
Ivan Allen	604	359	59%	158	26%	44%
Sciences	1,129	761	67%	243	22%	32%
Total	**7,405**	**4,625**	**62%**	**1,850**	**25%**	**40%**
1994						
Architecture	514	213	41%	74	14%	35%
Computing	473	252	53%	117	25%	46%
Engineering	5,131	3,161	62%	1,194	23%	38%
Ivan Allen	520	256	49%	103	20%	40%
Sciences	1,145	729	64%	271	24%	37%
Total	**7,783**	**4,611**	**59%**	**1,759**	**23%**	**38%**
1993						
Architecture	564	228	40%	93	16%	41%
Computing	378	208	55%	97	26%	47%
Engineering	5,216	3,140	60%	1,244	24%	40%
Ivan Allen	607	293	48%	127	21%	43%
Sciences	1,072	658	61%	192	18%	29%
Total	**7,837**	**4,527**	**58%**	**1,753**	**22%**	**39%**
	Ethnic Origin, Fall Quarter 1997					
Asian	1,158	612	53%	236	20%	39%
Black	1,198	295	25%	111	9%	38%
Hispanic	358	159	44%	41	11%	26%
Indian	14	3	21%	1	7%	33%
White	4,695	3,511	75%	1,427	30%	41%
Multiracial	170	91	54%	32	19%	35%
	Gender, Fall Quarter 1997					
Male	5,521	3,361	61%	1,336	24%	40%
Female	2,155	1,341	62%	512	24%	38%

Source: Office of Undergraduate Admissions

ADMISSIONS

Table 2.4 Transfer Admissions

	Number Applied	Number Accepted	% of Applied Accepted	Number Enrolled	% of Applied Enrolled	% of Accepted Enrolled
	Year and College, Fall Quarters 1993-97					
1997						
Architecture	92	23	25%	20	22%	87%
Computing	83	30	36%	23	27%	77%
Engineering	483	239	49%	205	42%	86%
Ivan Allen	103	37	36%	32	31%	86%
Sciences	72	27	38%	19	26%	70%
Special Non-Degree	33	27	82%	24	73%	89%
Total	**866**	**383**	**44%**	**323**	**37%**	**84%**
1996						
Architecture	89	20	23%	20	22%	100%
Computing	122	43	35%	37	30%	86%
Engineering	724	308	43%	251	35%	81%
Ivan Allen	123	30	24%	26	21%	87%
Sciences	210	121	58%	79	38%	65%
Total	**1,268**	**522**	**41%**	**413**	**33%**	**79%**
1995						
Architecture	91	16	18%	16	18%	100%
Computing	106	39	37%	31	29%	79%
Engineering	589	285	48%	229	39%	80%
Ivan Allen	101	24	24%	23	23%	96%
Sciences	180	104	58%	82	46%	79%
Total	**1,067**	**468**	**44%**	**381**	**36%**	**81%**
1994						
Architecture	86	16	19%	12	14%	75%
Computing	72	28	39%	19	26%	68%
Engineering	645	311	48%	242	38%	78%
Ivan Allen	103	30	29%	27	26%	90%
Sciences	187	106	57%	86	46%	81%
Total	**1,093**	**491**	**45%**	**386**	**35%**	**79%**
1993						
Architecture	90	13	14%	9	10%	69%
Computing	61	13	21%	7	12%	54%
Engineering	656	279	43%	219	33%	78%
Ivan Allen	96	24	25%	22	23%	92%
Sciences	184	87	47%	77	42%	89%
Total	**1,087**	**416**	**38%**	**334**	**31%**	**80%**
	Ethnic Origin, Fall Quarter 1997					
Asian	133	40	30%	33	25%	83%
Black	180	72	40%	61	34%	85%
Hispanic	48	13	27%	12	25%	92%
Indian	4	2	50%	1	25%	50%
White	476	247	52%	210	44%	85%
Multiracial	25	9	36%	6	24%	67%
	Gender, Fall Quarter 1997					
Male	594	265	45%	221	37%	83%
Female	273	118	43%	102	37%	86%

Source: Office of Undergraduate Admissions

ADMISSIONS

Table 2.5 Graduate Admissions

	Number Applied	Number Accepted	% of Applied Accepted	Number Enrolled	% of Applied Enrolled	% of Accepted Enrolled
	Year and College, Fall Quarters 1993-97					
1997						
Architecture	303	172	57%	81	27%	47%
Computing	330	140	42%	65	20%	46%
Engineering	2,916	1,251	43%	565	19%	45%
Ivan Allen	721	318	44%	123	17%	39%
Sciences	509	178	35%	102	20%	57%
Total	**4,779**	**2,059**	**43%**	**936**	**20%**	**45%**
1996						
Architecture	385	181	47%	92	24%	51%
Computing	280	99	35%	47	17%	47%
Engineering	2,705	1,212	45%	589	22%	49%
Ivan Allen	776	314	40%	159	20%	51%
Sciences	483	198	31%	77	16%	52%
Total	**4,629**	**1,954**	**42%**	**964**	**21%**	**49%**
1995						
Architecture	386	141	37%	90	23%	64%
Computing	232	81	35%	40	17%	49%
Engineering	2,652	1,205	45%	520	20%	43%
Ivan Allen	607	286	47%	153	25%	53%
Sciences	532	182	34%	96	18%	53%
Total	**4,409**	**1,895**	**43%**	**899**	**20%**	**47%**
1994						
Architecture	457	161	35%	86	19%	53%
Computing	273	106	39%	47	17%	44%
Engineering	2,828	1,461	52%	686	24%	47%
Ivan Allen	685	276	40%	135	20%	49%
Sciences	618	165	27%	100	16%	61%
Total	**4,861**	**2,169**	**45%**	**1,054**	**22%**	**49%**
1993						
Architecture	506	205	41%	114	23%	56%
Computing	474	132	28%	69	15%	52%
Engineering	2,754	1,242	45%	611	22%	49%
Ivan Allen	561	251	45%	135	24%	54%
Sciences	718	196	27%	119	17%	61%
Total	**5,013**	**2,026**	**40%**	**1,048**	**20%**	**52%**
	Ethnic Origin, Fall Quarter 1997					
Asian	2,116	589	28%	219	10%	37%
Black	399	148	37%	78	20%	53%
Hispanic	260	109	42%	41	16%	38%
Indian	4	2	50%	1	25%	50%
White	1,990	1,208	61%	596	30%	49%
Multiracial	10	3	30%	1	10%	33%
	Gender, Fall Quarter 1997					
Male	3,478	1,512	43%	676	19%	45%
Female	1,301	547	42%	260	20%	48%

Source: Graduate Academic and Enrollment Services

ADMISSIONS

Fig. 2.1 Percent of Freshmen Admittees Enrolled, Fall Quarters 1993-97

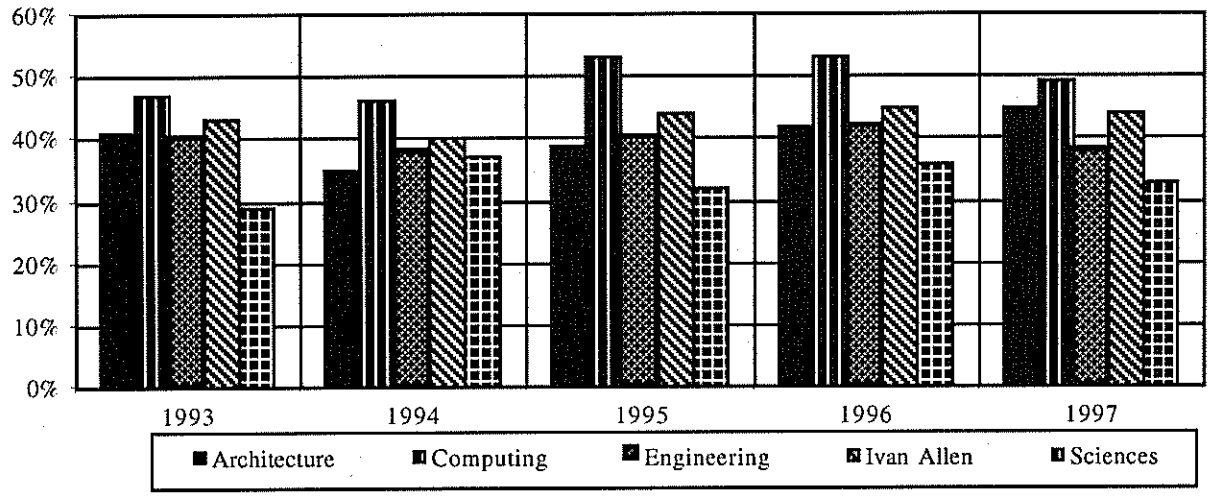


Fig. 2.2 Percent of Transfer Admittees Enrolled, Fall Quarters 1993-97

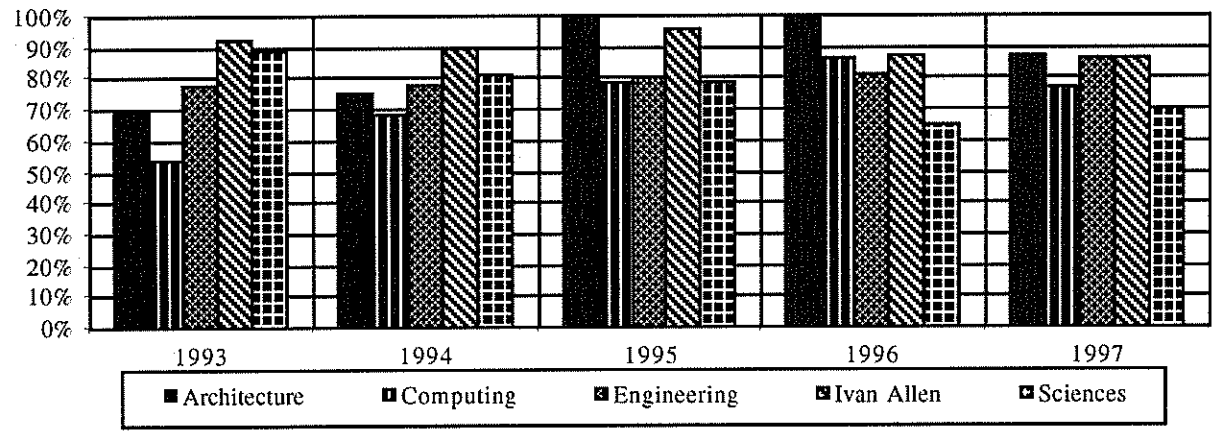
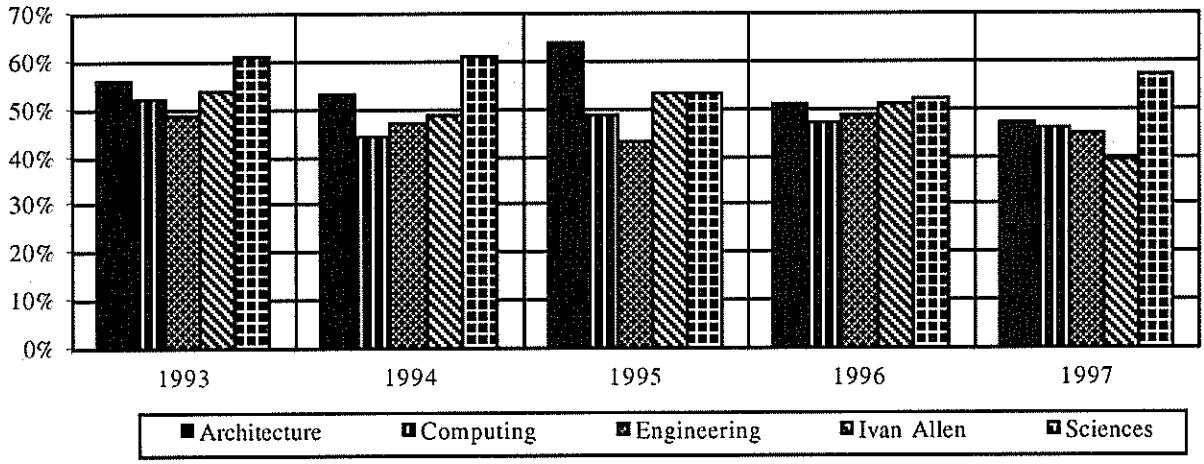


Fig. 2.3 Percent of Graduate Admittees Enrolled, Fall Quarters 1993-97



ADMISSIONS

Table 2.6 Sources of Ten or More Entering Freshmen, Fall Quarter1997

High School	Location	Number of Students
Brookwood	Snellville, GA	32
Parkview	Lilburn, GA	30
George Walton Comprehensive	Marietta, GA	29
Alan C. Pope	Marietta, GA	28
Saint Pius X	Atlanta, GA	27
Roswell	Roswell, GA	24
Lakeside	Evans, GA	23
Chattahoochee	Alpharetta, GA	22
Lassiter	Marietta, GA	22
Duluth	Duluth, GA	20
McIntosh	Peachtree City, GA	19
Collins Hill	Suwanee, GA	19
Sprayberry	Marietta, GA	18
South Gwinnett	Snellville, GA	18
Wheeler	Marietta, GA	17
Meadowcreek	Norcross, GA	17
Herschel Jenkins	Savannah, GA	17
Chamblee	Chamblee, GA	16
Harrison	Kennesaw, GA	16
Dunwoody	Dunwoody, GA	16
Milton	Alpharetta, GA	15
Evans	Evans, GA	15
Sandy Creek	Tyrone, GA	14
Shiloh	Lithonia, GA	12
Lakeside	Atlanta, GA	11
The Marist School	Atlanta, GA	11
McEachern	Powder Springs, GA	11
Berkmar	Lilburn, GA	10

Source: Office of Undergraduate Admissions

FINANCIAL AID

Table 2.7 Student Financial Aid Awards, Fiscal Year 1996-97

Award	Number of Awards	Amount of Awards
Georgia Tech Awarded Aid		
Pell Grants	1,336	$1,987,011
Supplemental Educational Opportunity Grants	375	385,256
Federal Work-Study Program	153	193,717
Perkins Loans	455	985,882
Stafford Loans	5,041	19,233,919
Parent Loans Undergraduate Students (PLUS)	667	4,598,299
Subtotal Federal Funds	**8,027**	**$27,384,084**
Hope Scholarships	3,491	$8,369,469
Georgia Student Incentive Grants	90	76,656
Regents Scholarships	8	5,000
Subtotal State Funds	**3,589**	**$8,451,125**
Georgia Tech National Merit	475	$517,393
Georgia Tech National Achievement	29	43,518
Subtotal Merit/Achievement	**504**	**$560,911**
Institutional Scholarships	2,149	$3,169,438
Georgia Tech Long Term Loans	41	74,500
Short Term Loans	539	623,676
Subtotal Institutional Scholarships/Loans	**2,729**	**$3,867,614**
Total Georgia Tech Awarded Aid	**14,849**	**$40,263,734**
Outside Awards		
Miscellaneous Scholarships/Grants	1,154	$1,535,436
Georgia Governor's Scholarships	707	981,630
ROTC Scholarships	158	1,060,908
Robert C. Byrd Scholarships	89	121,079
Miscellaneous Loans	44	188,088
Total Outside Aid	**2,152**	**$3,887,141**
Total Aid	**17,001**	**$44,150,875**

Source: Office of the Director, Student Financial Planning and Services

FINANCIAL AID

President's Scholarship Program

The President's Scholarship Program is Georgia Tech's premier merit-based scholarship. Since its inception in 1981, the program has maintained as its objective the selection and enrollment of students who have demonstrated excellence in academic and leadership performance and have a strong potential to become leaders on campus and in the community. The scholarship offers two levels of awards—the President's level and the Institute level. For the 1997 competition (for students who entered Georgia Tech as freshmen in summer or fall of 1997) the four-year award amounts for the two levels are: Georgia resident: $20,000 and $6,000; non-Georgia resident: $39,600 and $19,200.

Two significant changes were made in the selection process, beginning with the1997-98 academic year competition: there is no longer a separate application for the President's Scholarship , nor is there a minimum required SAT or ACT score to qualify for the competition. To apply for the President's Scholarship, a student must submit the Georgia Tech application for admission by October 31, 1997. The most qualified applicants in terms of high school grades, standardized test scores, and demonstrated leadership and involvement in activities will be selected as scholarship semifinalists. Each semifinalist will be sent a supplemental application in December and will be interviewed by a Regional Committee in January. Approximately 150 of the top-ranked candidates in the competition will be invited as finalists to attend President's Scholarship Weekend on campus April 3-4, 1998.

Table 2.8 President's Scholarship Program Summary, 1988-89 through 1997-98

			Georgia		Out-of-State		
Entering Year	Mean HSA*	Mean SAT**	Male	Female	Male	Female	Total
1988-89	3.9	1429	32	13	28	7	80
1989-90	3.9	1437	40	3	21	7	71
1990-91	3.9	1427	34	14	19	4	71
1991-92	3.9	1418	31	14	11	4	60
1992-93	3.9	1435	19	9	13	7	48
1993-94	3.9	1440	27	4	13	4	48
1994-95	3.9	1437	21	12	19	8	60
1995-96	3.9	1431	33	10	15	10	68
1996-97	3.9	1413	38	18	11	6	73
1997-98	3.9	1484	24	11	21	9	65

* HSA: High School Average
**SAT: Scholastic Assessment Test
***ACT: American College Testing

Source: Special Programs Office, Enrollment Services

FINANCIAL AID

Table 2.9 National Merit and Achievement Scholars

All Institutions			Public Institutions				
Rank	Institution	# of Scholars	Rank	Institution	Freshman Enrollment	# of Scholars	% of Class
National Merit Scholars - 1996-97 Academic Year							
1.	Harvard University	391	1.	University of Oklahoma	2,645	153	5.78%
2.	University of Texas*	299	2.	University of Florida	3,318	177	5.34%
3.	Rice University	204	**3.**	**Georgia Institute of Technology**	**1,843**	**98**	**5.32%**
4.	Stanford University	184	4.	University of Texas	6,430	299	4.65%
5.	Texas A & M University*	183	5.	Iowa State University	3,610	154	4.27%
6.	University of Florida*	177	6.	University of California - Berkeley	3,717	131	3.52%
7.	Yale University	165	7.	Texas A & M University	6,387	183	2.87%
8.	Iowa State University*	154					
9.	University of Oklahoma*	153					
10.	University of California - Berkeley*	131					
11.	Brigham Young University	128					
12.	University of Chicago	122					
13.	Northwestern University	118					
14.	Massachusetts Institute of Technology	103					
15.	**Georgia Institute of Technology***	**98**					
National Achievement Scholars - 1996-97 Academic Year							
1.	Howard University	79	1.	Florida A & M University	1,494	51	3.41%
2.	Harvard University	69	2.	University of Virginia	2,827	23	0.81%
3.	Florida A & M University*	51	3.	University of Oklahoma	2,645	18	0.68%
4.	Yale University	28	4.	University of Florida	3,318	19	0.57%
5.	University of Virginia*	23	**5.**	**Georgia Institute of Technology**	**1,843**	**10**	**0.54%**
6.	Stanford University	22	6.	Florida State University	3,253	13	0.40%
7.	Princeton University	20	7.	University of North Carolina	3,278	13	0.40%
8.	Morehouse College	19	8.	University of Michigan	5,327	11	0.21%
8.	University of Florida*	19	9.	Texas A & M University	6,387	10	0.16%
10.	Rice University	18					
10.	Massachusetts Institute of Technology	18					
10.	University of Oklahoma*	18					
13.	University of Houston	15					
14.	Brown University	14					
15.	Duke University	13					
15.	Emory University	13					
15.	University of North Carolina*	13					
15.	Florida State University*	13					
19.	Spelman College	12					
19.	Xavier College	12					
21.	New York University	11					
21.	University of Michigan*	11					
23.	**Georgia Institute of Technology***	**10**					
23.	Johns Hopkins University	10					
23.	Northwestern University	10					
23.	Texas A & M University*	10					
23.	University of Southern California	10					

* Public Institution

Source: Office of Undergraduate Admissions

FINANCIAL AID

Graduate Financial Assistance

Regents' Opportunity Scholarships

Georgia Tech has participated in the Regents' Opportunity Scholarship Program since 1978. Since then, 117 Blacks, 6 Hispanics, 1 Native American, and 71 non-minority persons have been supported on Regents' Opportunity Scholarships. Eighteen of these students have completed the Ph.D. degree, and 106 have received Master's degrees. Eighteen Regents' Scholars were enrolled in 1996-97.

President's Fellowship Program

President's Fellowships were established in 1973 to enhance the scope and quality of Georgia Tech's Ph.D. programs. Through support of the Georgia Tech Foundation, President's Fellowships are offered annually to a select number of highly qualified U.S. nationals who intend to pursue doctoral degrees. President's Fellowships provide $4,000 stipends, which supplement other support offered by the academic units. Since the inception of the President's Fellowship Program in fall quarter 1973, 930 awards have been made. As of Spring Quarter 1997, 290 were enrolled in the program.

Domenica Rea D'Onofrio Graduate Fellowships

Approximately $8,000 per year may be awarded in this fellowship program to native-born citizens of Italy. Two Italian students were supported on this fellowship in 1996-97.

Tuition Waivers

Outstanding students who are not residents of Georgia may receive out-of-state tuition waivers. Approximately 150 of these are awarded annually.

Table 2.10 President's Fellowship Survey

Fiscal Year	Number of New Fellows	Number Awarded Terminal M.S.	Number Awarded Ph.D.	Ph.D.'s Completed by Fiscal Year
1987-88	71	31	29	5
1988-89	75	26	36	5
1989-90	67	33	24	7
1990-91	90	33	29	8
1991-92	81	27	15	15
1992-93	74	12	11	30
1993-94	73	9	0	28
1994-95	72	4	0	32
1995-96	67	0	0	40
1996-97	80	14	17	57

Source: Director, Graduate Co-op and Fellowship Programs

ENROLLMENT

Table 2.11 Students Enrolled by Country of Residence, Fall Quarter 1997

Country	Undergraduate	Graduate	Total
Anguilla	0	1	1
Antigua and Barbuda	0	1	1
Argentina	5	3	8
Bahamas (The)	3	1	4
Bahrain	1	0	1
Bangladesh	6	7	13
Belgium	0	1	1
Belize	1	3	4
Benin	0	2	2
Bermuda	1	1	2
Bolivia	1	0	1
Brazil	6	6	12
British Virgin Islands	1	0	1
Bulgaria	0	3	3
Cameroon	1	3	4
Canada	3	7	10
Chile	1	1	2
China	2	229	231
Colombia	8	14	22
Costa Rica	3	3	6
Croatia	1	1	2
Cyprus	0	1	1
Czechoslovakia	0	1	1
Denmark	0	3	3
Dominican Republic	0	1	1
Ecuador	1	2	3
Egypt	1	2	3
El Salvador	4	0	4
Ethiopia	1	1	2
Finland	0	1	1
France	6	67	73
Gambia (The)	0	1	1
Georgia	1	0	1
German Democratic Rep	1	0	1
Germany	6	34	40
Germany, Federal Rep of	1	18	19
Ghana	4	4	8
Greece	1	9	10
Guatemala	0	2	2
Guinea	0	1	1
Guyana	1	0	1
Haiti	1	0	1
Honduras	4	0	4
Hong Kong	2	0	2
Hungary	0	1	1
Iceland	0	1	1
India	43	164	207
Indonesia	8	11	19
Iran	1	13	14
Israel	0	4	4
Italy	2	7	9
Jamaica	3	5	8
Japan	3	13	16
Jordan	1	5	6
Kazakhstan	1	0	1
Kenya	0	3	3
Kiribati	2	0	2
Korea, Republic of (South)	13	122	135
Kuwait	0	1	1
Kyrgyzstan	2	0	2
Lebanon	1	4	5
Luxembourg	0	1	1
Macedonia	1	0	1
Malaysia	3	5	8
Mauritius	1	0	1
Mexico	1	19	20
Morocco	0	2	2
Netherlands	0	2	2
New Zealand	0	2	2
Nicaragua	1	0	1
Nigeria	3	2	5
Norway	0	8	8
Pakistan	15	17	32
Panama	9	4	13
Peru	1	2	3
Philippines	1	1	2
Poland	0	1	1
Romania	0	15	15
Russia	0	4	4
Saint Kitts and Nevis	0	1	1
Saudi Arabia	0	8	8
Sierra Leone	1	0	1
Singapore	6	2	8
Slovenia	0	1	1
South Africa	2	2	4
Spain	1	5	6
Sri Lanka	1	2	3
Sudan	1	0	1
Sweden	2	2	4
Switzerland	4	3	7
Taiwan	5	49	54
Tajikistan	0	1	1
Tanzania	3	0	3
Thailand	0	31	31
Togo	0	1	1
Trinidad and Tobago	5	4	9
Tunisia	0	1	1
Turkey	4	35	39
Uganda	0	1	1
Ukraine	1	1	2
Union of Sov Soc Republic	0	10	10
United Arab Emirates	0	1	1
United Kingdom/Gr Britain	8	10	18
Uzbekistan	1	0	1
Venezuela	3	19	22
Yugoslavia	0	8	8
Zaire	2	0	2
Total	**245**	**1,072**	**1,317**

Source: Office of the Registrar

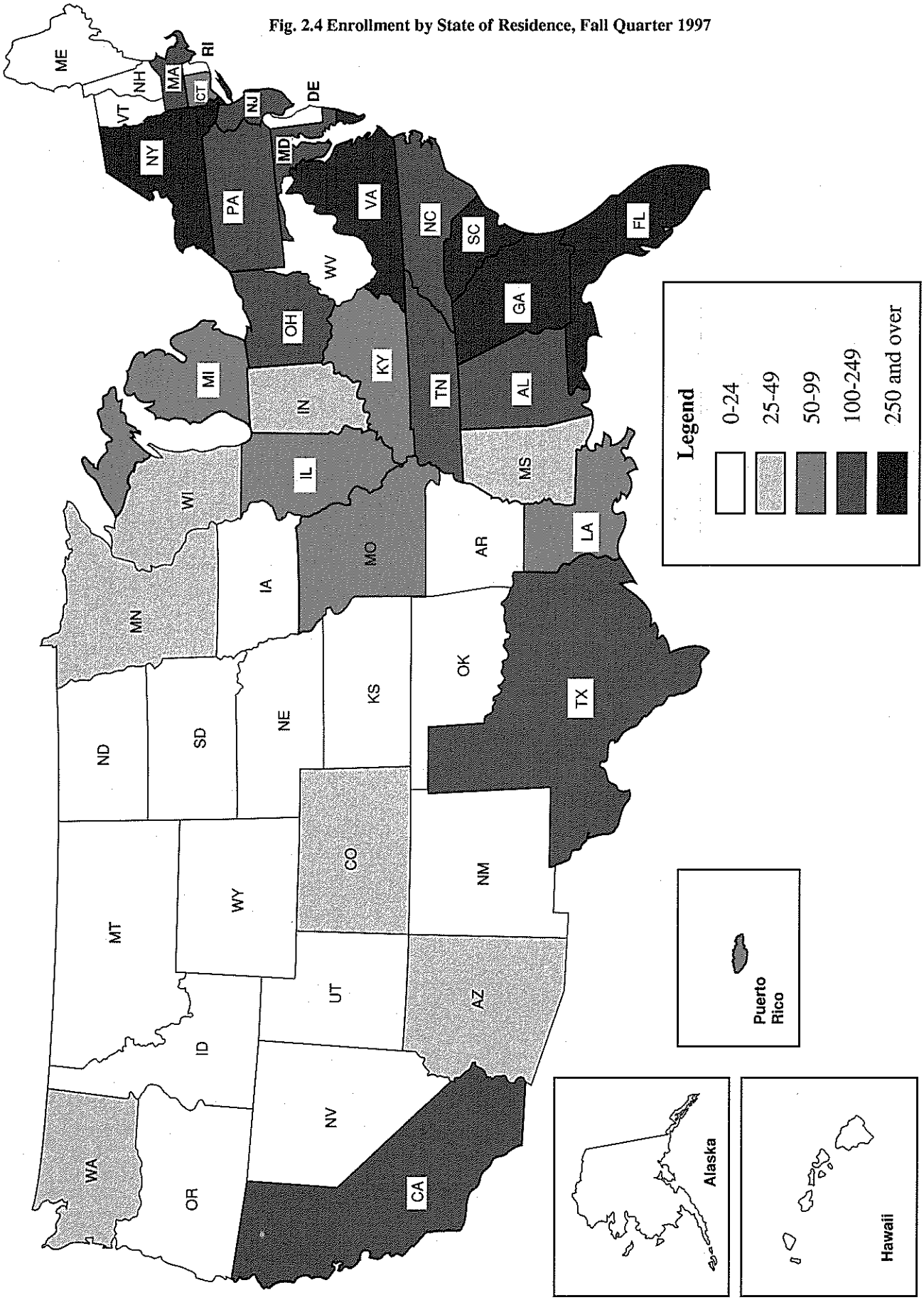
ENROLLMENT

Table 2.12 Students Enrolled by State of Residence, Fall Quarter 1997

	Undergraduate			Graduate			Institute
State	Male	Female	Total	Male	Female	Total	Total
Alaska	6	3	9	2	0	2	11
Alabama	121	30	151	53	13	66	217
Arizona	7	6	13	11	2	13	26
Arkansas	9	4	13	7	1	8	21
California	43	32	75	53	21	74	149
Colorado	14	6	20	11	1	12	32
Connecticut	51	10	61	13	1	14	75
Delaware	11	0	11	3	1	4	15
District of Columbia	5	5	10	4	6	10	20
Florida	473	133	606	125	43	168	774
Georgia	4,458	1,963	6,421	717	303	1,020	7,441
Hawaii	4	2	6	2	0	2	8
Idaho	4	0	4	2	0	2	6
Illinois	35	19	54	23	13	36	90
Indiana	12	3	15	10	9	19	34
Iowa	1	2	3	2	1	3	6
Kansas	13	0	13	1	3	4	17
Kentucky	41	13	54	13	5	18	72
Louisiana	50	15	65	18	3	21	86
Maine	5	1	6	1	3	4	10
Maryland	87	42	129	46	18	64	193
Massachusetts	79	8	87	29	7	36	123
Michigan	15	8	23	26	10	36	59
Minnesota	4	5	9	16	1	17	26
Mississippi	19	4	23	8	5	13	36
Missouri	18	8	26	25	6	31	57
Montana	3	1	4	3	0	3	7
Nebraska	1	1	2	3	0	3	5
Nevada	2	0	2	0	1	1	3
New Hampshire	10	3	13	5	1	6	19
New Jersey	112	36	148	33	13	46	194
New Mexico	2	0	2	10	1	11	13
New York	127	38	165	73	23	96	261
North Carolina	117	27	144	62	18	80	224
North Dakota	0	0	0	3	1	4	4
Ohio	64	15	79	38	8	46	125
Oklahoma	2	0	2	6	5	11	13
Oregon	5	3	8	5	2	7	15
Pennsylvania	82	27	109	52	12	64	173
Rhode Island	12	1	13	3	0	3	16
South Carolina	159	43	202	60	11	71	273
South Dakota	0	0	0	1	0	1	1
Tennessee	128	32	160	43	18	61	221
Texas	96	45	141	49	24	73	214
Utah	0	0	0	4	3	7	7
Vermont	4	3	7	5	1	6	13
Virginia	144	49	193	63	25	88	281
Washington	16	1	17	10	1	11	28
West Virginia	6	3	9	5	2	7	16
Wisconsin	10	8	18	6	3	9	27
Wyoming	1	0	1	2	0	2	3
Other U. S. Territories and Possessions							
Puerto Rico	29	7	36	12	7	19	55
Virgin Islands	5	1	6	1	0	1	7
Total	**6,722**	**2,666**	**9,388**	**1,778**	**656**	**2,434**	**11,822**

Source: Office of the Registrar

Fig. 2.4 Enrollment by State of Residence, Fall Quarter 1997



Source: Office of the Registrar

ENROLLMENT

Table 2.13 Students Enrolled by Georgia County of Residence, Fall Quarter 1997

County	Undergrad.	Graduate	Total	County	Undergrad.	Graduate	Total	County	Undergrad.	Graduate	Total
Appling	6	1	7	Fannin	3	1	4	Oglethorpe	2	1	3
Atkinson	0	0	0	Fayette	243	12	255	Paulding	23	2	25
Bacon	2	0	2	Floyd	55	4	59	Peach	10	1	11
Baker	0	0	0	Forsyth	50	1	51	Pickens	10	1	11
Baldwin	9	1	10	Franklin	4	0	4	Pierce	2	0	2
Banks	10	0	10	Fulton	897	275	1172	Pike	5	0	5
Barrow	14	1	15	Gilmer	6	0	6	Polk	17	0	17
Bartow	29	3	32	Glascock	0	0	0	Pulaski	1	0	1
Ben Hill	7	0	7	Glynn	37	2	39	Putnam	5	0	5
Berrien	2	0	2	Gordon	22	3	25	Quitman	0	0	0
Bibb	88	9	97	Grady	9	0	9	Rabun	10	4	14
Bleckley	3	0	3	Greene	5	0	5	Randolph	1	0	1
Brantley	2	0	2	Gwinnett	931	113	1044	Richmond	91	15	106
Brooks	1	0	1	Habersham	27	0	27	Rockdale	88	7	95
Bryan	7	1	8	Hall	79	8	87	Schley	0	0	0
Bulloch	20	3	23	Hancock	0	0	0	Screven	8	0	8
Burke	10	0	10	Haralson	6	0	6	Seminole	2	0	2
Butts	6	0	6	Harris	9	0	9	Spalding	34	0	34
Calhoun	4	0	4	Hart	8	3	11	Stephens	14	0	14
Camden	15	0	15	Heard	5	0	5	Stewart	1	0	1
Candler	2	1	3	Henry	81	9	90	Sumter	11	1	12
Carroll	46	4	50	Houston	98	5	103	Talbot	1	0	1
Catoosa	29	0	29	Irwin	2	0	2	Taliaferro	0	0	0
Charlton	2	1	3	Jackson	7	0	7	Tattnall	2	0	2
Chatham	137	21	158	Jasper	3	0	3	Taylor	0	0	0
Chattahoochee	2	0	2	Jeff Davis	1	1	2	Telfair	1	0	1
Chattooga	7	0	7	Jefferson	6	1	7	Terrell	3	0	3
Cherokee	92	11	103	Jenkins	3	0	3	Thomas	24	4	28
Clarke	47	8	55	Johnson	2	0	2	Tift14	1	15	
Clay	1	0	1	Jones	7	1	8	Toombs	12	2	14
Clayton	197	14	211	Lamar	6	1	7	Towns	4	0	4
Clinch	3	0	3	Lanier	1	0	1	Treutlen	1	1	2
Cobb	981	196	1177	Laurens	16	2	18	Troup	25	4	29
Coffee	10	1	11	Lee	12	0	12	Turner	1	0	1
Colquitt	9	0	9	Liberty	18	0	18	Twiggs	1	0	1
Columbia	160	8	168	Lincoln	3	1	4	Union	4	0	4
Cook	3	0	3	Long	1	0	1	Upson	15	2	17
Coweta	53	5	58	Lowndes	35	4	39	Walker	13	0	13
Crawford	4	0	4	Lumpkin	2	0	2	Walton	27	2	29
Crisp	11	1	12	Macon	4	0	4	Ware	5	2	7
Dade	2	0	2	Madison	3	0	3	Warren	1	0	1
Dawson	4	1	5	Marion	2	0	2	Washington	9	0	9
Decatur	4	3	7	McDuffie	8	1	9	Wayne	8	0	8
Dekalb	708	182	890	McIntosh	2	1	3	Webster	1	0	1
Dodge	5	1	6	Meriwether	2	2	4	Wheeler	0	0	0
Dooly	5	1	6	Miller	0	0	0	White	4	0	4
Dougherty	54	3	57	Mitchell	3	0	3	Whitfield	48	3	51
Douglas	73	6	79	Monroe	15	1	16	Wilcox	0	0	0
Early	7	0	7	Montgomery	1	0	1	Wilkes	3	0	3
Echols	0	0	0	Morgan	21	0	21	Wilkinson	2	0	2
Effingham	18	1	19	Murray	6	0	6	Worth	1	0	1
Elbert	2	1	3	Muscogee	97	5	102	Unknown*	10	10	20
Emanuel	10	0	10	Newton	32	1	33				
Evans	3	2	5	Oconee	23	3	26	**Total**	**6,420**	**1,015**	**7,435**

* Unknown = In-state students who gave no county designation.

Source: Office of the Registrar

ENROLLMENT

Fig. 2.5 Enrollment by Georgia County of Residence, Fall Quarter 1997

Source: Office of the Registrar

ENROLLMENT

Table 2.14 Class Enrollment by Gender and Ethnicity, Fall Quarter 1997*

Class	Asian M	Asian F	Black M	Black F	Hispanic M	Hispanic F	American Indian M	American Indian F	White M	White F	Multiracial M	Multiracial F
Undergraduate												
JEPHS**	0	5	0	0	0	0	0	0	20	3	0	0
Freshman	213	83	131	71	50	20	2	1	1,486	501	33	8
Sophomore	205	69	111	60	43	17	3	2	1,069	456	11	16
Junior	188	75	116	69	61	13	6	1	1,032	427	13	2
Senior	245	94	171	130	77	22	2	2	1,537	485	3	2
Special Undergraduate	4	2	14	15	0	4	0	0	52	41	0	0
Total Undergraduate	**855**	**328**	**543**	**345**	**231**	**76**	**13**	**6**	**5,196**	**1,913**	**60**	**28**
Graduate												
Master's	236	87	85	57	55	22	2	1	903	285	0	0
Ph.D.	463	81	86	39	57	14	3	1	702	231	1	0
Special Graduate	6	0	0	1	0	1	0	0	50	23	0	0
Total Graduate	**705**	**168**	**171**	**97**	**112**	**37**	**5**	**2**	**1,655**	**539**	**1**	**0**
Institute												
Total	**1,560**	**496**	**714**	**442**	**343**	**113**	**18**	**8**	**6,851**	**2,452**	**61**	**28**

* Fall Quarter 1997 numbers differ from the Board of Regents reports and the Integrated Postsecondary Education Data System (IPEDS) due to different census dates.
** JEPHS=Joint Enrollment Program for High School Students

Table 2.15 Class Enrollment by Gender and Year, Fall Quarters 1995-97

	M	F	Total	M	F	Total	M	F	Total
	1995			1996			1997*		
Undergraduate									
JEPHS**	10	3	13	12	8	20	20	8	28
Freshman	1,773	692	2,465	1,811	708	2,519	1,915	684	2,599
Sophomore	1,447	566	2,013	1,430	572	2,002	1,442	620	2,062
Junior	1,418	537	1,955	1,466	564	2,030	1,416	587	2,003
Senior	2,210	728	2,938	2,061	728	2,789	2,035	735	2,770
Special Undergraduate	47	42	89	58	51	109	70	62	132
Total Undergraduate	**6,905**	**2,568**	**9,473**	**6,838**	**2,631**	**9,469**	**6,898**	**2,696**	**9,594**
Graduate									
Master's	1,286	450	1,736	1,279	431	1,710	1,281	452	1,733
Ph.D.	1,368	363	1,731	1,337	354	1,691	1,312	366	1,678
Special Graduate	77	19	96	87	28	115	56	25	81
Total Graduate	**2,731**	**832**	**3,563**	**2,703**	**813**	**3,516**	**2,649**	**843**	**3,492**
Institute									
Total	**9,636**	**3,400**	**13,036**	**9,541**	**3,444**	**12,985**	**9,547**	**3,539**	**13,086**

* Fall Quarter 1997 numbers differ from the Board of Regents reports and the Integrated Postsecondary Education Data System (IPEDS) due to different census dates.
** JEPHS=Joint Enrollment Program for High School Students

Source: Office of the Registrar

ENROLLMENT

Table 2.16 Undergraduate Enrollment by College, Ethnicity and Gender, Fall Quarter 1997*

School	Asian M	Asian F	Black M	Black F	Hispanic M	Hispanic F	American Indian M	American Indian F	White M	White F	Multi-Racial M	Multi-Racial F	Total
					Architecture								
Architecture	18	23	7	9	8	4	1	0	143	72	1	1	287
Building Construction	3	1	3	3	1	0	0	0	66	23	0	1	101
Industrial Design	10	11	5	3	1	2	0	0	76	50	3	3	164
Total Architecture	**31**	**35**	**15**	**15**	**10**	**6**	**1**	**0**	**285**	**145**	**4**	**5**	**552**
					Computing								
Computer Science	139	32	43	15	15	4	3	0	627	58	8	4	948
Total Computing	**139**	**32**	**43**	**15**	**15**	**4**	**3**	**0**	**627**	**58**	**8**	**4**	**948**
					Engineering								
Aerospace	32	3	14	4	13	1	1	0	158	35	4	1	266
Chemical	66	25	29	49	14	5	0	3	322	171	6	1	691
Civil	18	12	34	22	22	7	0	0	342	137	1	0	595
Computer Engineering	93	11	40	22	15	2	2	0	389	24	6	0	604
Electrical	174	20	115	42	26	3	1	0	508	55	7	2	953
Industrial	80	54	44	48	45	13	2	0	473	227	3	1	990
Materials	7	1	3	5	1	0	0	0	40	12	0	1	70
Mechanical	71	14	73	38	28	9	2	2	677	109	8	2	1,033
Nuclear and Radiological Eng.	1	0	3	0	1	0	0	0	20	1	0	0	26
Polymer and Textile Chemistry	1	0	1	2	0	1	0	0	24	8	0	0	37
Textiles	0	2	0	2	0	0	0	0	13	11	0	0	28
Textile Engineering	8	0	3	2	1	0	0	0	47	23	0	0	84
Undeclared Engineering	35	12	13	6	2	3	0	0	292	71	3	3	440
Total Engineering	**586**	**154**	**372**	**242**	**168**	**44**	**8**	**5**	**3,305**	**884**	**38**	**11**	**5,817**
					Ivan Allen								
Economics	3	2	4	4	1	0	0	0	19	10	0	0	43
History, Technology, and Soc.	0	1	2	1	3	0	0	0	26	13	2	0	48
International Affairs	5	5	2	2	5	2	0	1	68	75	1	1	167
Management	22	26	57	13	15	5	1	0	379	274	4	1	797
Management Science	3	1	3	2	2	3	0	0	20	15	0	0	49
Science, Technology & Culture	1	4	0	5	0	0	0	0	17	24	1	0	52
Undeclared Ivan Allen	2	2	11	2	2	0	0	0	41	31	0	0	91
Total Ivan Allen	**36**	**41**	**79**	**29**	**28**	**10**	**1**	**1**	**570**	**442**	**8**	**2**	**1,247**
					Sciences								
Applied Physics	0	0	0	0	0	0	0	0	3	2	0	0	5
Biology	31	36	12	18	4	1	0	0	111	136	0	3	352
Chemistry	10	12	1	4	2	1	0	0	44	65	0	1	140
Discrete Mathematics	0	0	0	0	0	0	0	0	2	1	0	0	3
Earth and Atmospheric Science	0	0	0	2	1	0	0	0	21	18	2	0	44
Mathematics	4	1	3	2	0	0	0	0	28	27	0	0	65
Physics	2	0	2	0	1	2	0	0	67	21	0	1	96
Psychology	5	4	2	1	0	0	0	0	26	29	0	0	67
Undeclared Sciences	7	5	0	2	2	4	0	0	34	41	0	1	96
Total Sciences	**59**	**58**	**20**	**29**	**10**	**8**	**0**	**0**	**336**	**340**	**2**	**6**	**868**
					Special Non-Degree								
No College Declared	4	8	14	15	0	4	0	0	73	44	0	0	162
Total No College Declared	**4**	**8**	**14**	**15**	**0**	**4**	**0**	**0**	**73**	**44**	**0**	**0**	**162**
					Institute								
Total	**855**	**328**	**543**	**345**	**231**	**76**	**13**	**6**	**5,196**	**1,913**	**60**	**28**	**9,594**

* Fall Quarter 1997 numbers differ from the Board of Regents reports and the Integrated Postsecondary Education Data System (IPEDS) due to different census dates.

Source: Office of the Registrar

ENROLLMENT

Table 2.17 Graduate Enrollment by College, Ethnicity, and Gender, Fall Quarter 1997*

School	Asian M	Asian F	Black M	Black F	Hispanic M	Hispanic F	American Indian M	American Indian F	White M	White F	Multi-Racial M	Multi-Racial F	Total
Architecture													
Architecture	25	6	11	4	2	1	0	0	74	35	0	0	158
City Planning	2	4	4	6	2	1	0	0	29	21	0	0	69
Total Architecture	**27**	**10**	**15**	**10**	**4**	**2**	**0**	**0**	**103**	**56**	**0**	**0**	**227**
Computing													
Algorithms, Combinatorics, & Opt.	2	0	0	0	0	0	0	0	0	0	0	0	2
Computer Science	33	10	14	2	7	1	1	0	96	24	0	0	188
Human-Computer Interaction	0	0	0	0	0	0	0	0	5	1	0	0	6
Total Computing	**35**	**10**	**14**	**2**	**7**	**1**	**1**	**0**	**101**	**25**	**0**	**0**	**196**
Engineering													
Aerospace	79	10	3	0	6	2	0	0	82	14	0	0	196
Bioengineering	0	0	0	0	0	0	0	0	6	5	0	0	11
Ceramic	4	0	0	0	0	0	0	0	5	3	0	0	12
Chemical	16	9	7	5	2	2	1	0	51	16	0	0	109
Civil	56	3	12	9	18	3	0	0	113	30	1	0	245
Electrical	205	30	39	14	19	8	0	1	330	44	0	0	690
Eng. Sci. & Mechanics	2	1	1	0	0	0	0	0	2	0	0	0	6
Environmental	32	11	4	1	5	2	1	0	48	32	0	0	136
Health Physics	0	0	0	0	1	0	0	0	20	8	0	0	29
Health Systems	1	1	0	0	0	0	0	0	3	5	0	0	10
Industrial and Systems	41	8	8	4	15	4	0	0	69	28	0	0	177
Materials Science & Eng.	8	0	2	2	1	0	0	0	6	3	0	0	22
Mechanical	62	10	22	10	12	4	1	0	250	41	0	0	412
Metallurgical Engineering	11	1	4	0	0	0	0	0	14	4	0	0	34
Nuclear	2	1	0	3	2	0	0	0	21	4	0	0	33
Operations Research	0	2	1	1	0	0	0	0	12	3	0	0	19
Polymers	0	1	0	0	0	0	0	0	2	2	0	0	5
Statistics	0	0	0	0	0	0	0	0	0	1	0	0	1
Textiles	0	2	0	0	0	0	0	0	0	1	0	0	3
Textile Chemistry	2	2	0	0	0	0	0	0	1	0	0	0	5
Textile Engineering	22	11	0	1	0	0	0	0	4	1	0	0	39
Undeclared Engineering	1	0	0	0	0	0	0	0	4	1	0	0	6
Total Engineering	**544**	**103**	**103**	**50**	**81**	**25**	**3**	**1**	**1,043**	**246**	**1**	**0**	**2,200**
Ivan Allen													
Economics	1	1	3	0	1	1	0	0	3	1	0	0	11
History of Technology	0	0	0	1	0	0	0	0	9	3	0	0	13
Human-Computer Interaction	0	0	0	0	0	0	0	0	1	0	0	0	1
Information Design & Tech.	2	1	1	1	0	3	0	0	13	14	0	0	35
International Affairs	1	5	1	0	0	0	0	0	12	14	0	0	33
Management	32	9	6	11	3	1	0	0	108	33	0	0	203
Management of Technology	4	0	5	0	4	1	0	0	52	8	0	0	74
Public Policy	2	3	0	5	0	2	0	1	10	21	0	0	44
Technology and Sci. Policy	0	0	0	0	0	0	0	0	1	0	0	0	1
Undeclared Ivan Allen	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Ivan Allen	**42**	**19**	**16**	**18**	**8**	**8**	**0**	**1**	**209**	**95**	**0**	**0**	**416**
Sciences													
Algorithms, Combinatorics, & Opt.	1	0	0	0	1	0	0	0	0	1	0	0	3
Biology	9	3	3	1	0	0	0	0	14	17	0	0	47
Chemistry	15	13	9	11	2	1	0	0	46	33	0	0	130
Earth and Atmos. Science	13	2	0	2	0	0	0	0	21	10	0	0	48
Mathematics	6	2	2	1	8	0	1	0	34	16	0	0	70
Physics	10	3	8	1	1	0	0	0	55	4	0	0	82
Psychology	3	3	0	1	0	0	0	0	28	35	0	0	70
Statistics	0	0	1	0	0	0	0	0	0	1	0	0	2
Undeclared Sciences	0	0	0	0	0	0	0	0	1	0	0	0	1
Total Sciences	**57**	**26**	**23**	**17**	**12**	**1**	**1**	**0**	**199**	**117**	**0**	**0**	**453**
Institute													
Total	**705**	**168**	**171**	**97**	**112**	**37**	**5**	**2**	**1,655**	**539**	**1**	**0**	**3,492**

* Fall Quarter 1997 numbers differ from the Board of Regents reports and the Integrated Postsecondary Education Data System (IPEDS) due to different census dates.

Source: Office of the Registrar

ENROLLMENT

Table 2.18 Undergraduate Enrollment by College, Fall Quarters 1988-97

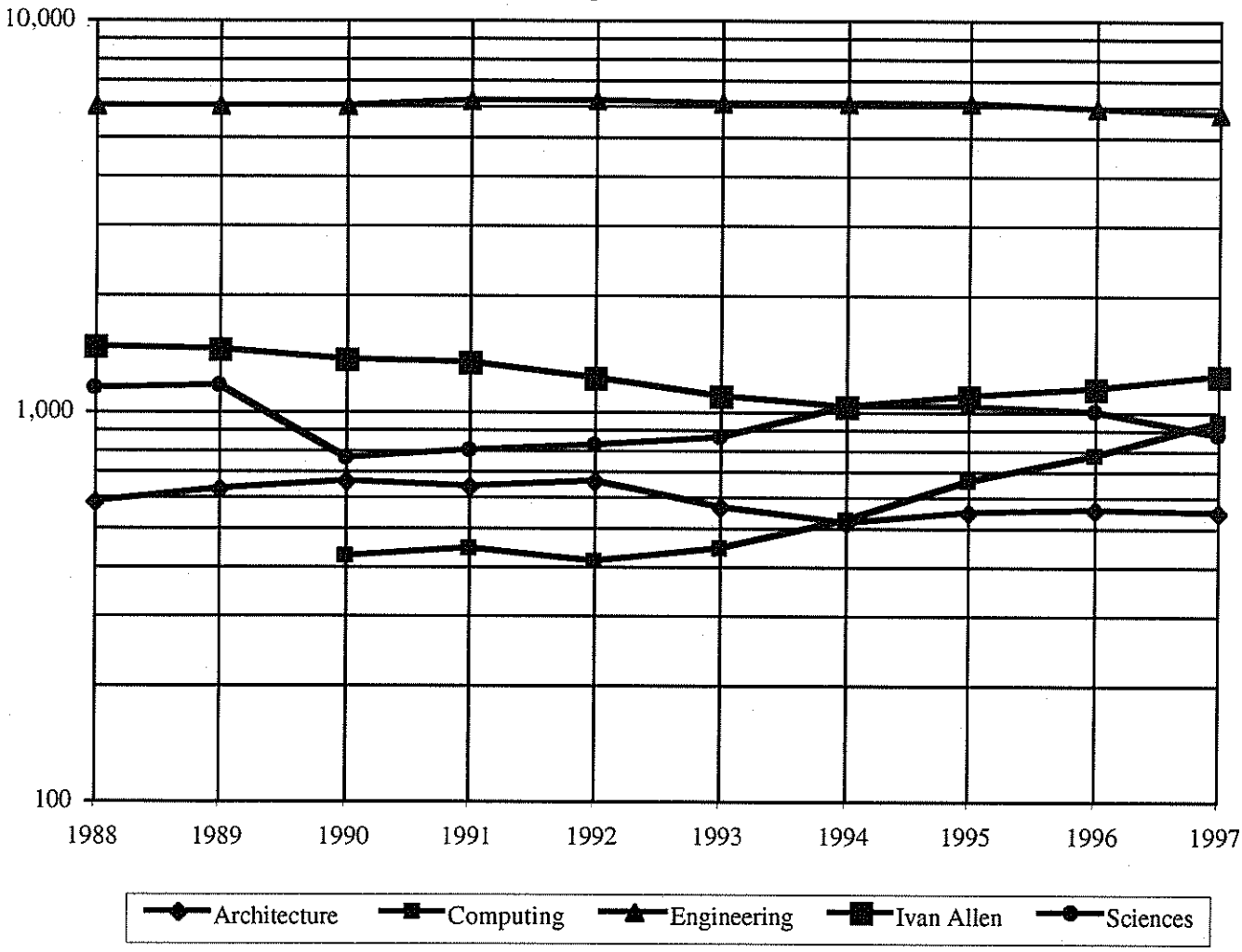
School	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997*
				Architecture						
Architecture	410	454	476	446	443	367	312	332	308	287
Building Construction	83	92	96	98	102	88	86	89	97	101
Industrial Design	85	91	94	99	112	116	123	134	153	164
Undeclared Architecture	6	0	1	2	1	0	0	0	0	0
Total Architecture	**584**	**637**	**667**	**645**	**658**	**571**	**521**	**555**	**558**	**552**
				Computing						
Computer Science	—	—	427	445	411	449	528	659	769	948
Total Computing	**—**	**—**	**427**	**445**	**411**	**449**	**528**	**659**	**769**	**948**
				Engineering						
Aerospace	530	512	443	389	386	334	265	245	239	266
Ceramic and Materials	68	71	86	100	99	110	92	70	85	70
Chemical	413	416	457	560	693	740	790	825	764	691
Civil	480	467	504	594	607	631	691	700	664	595
Computer Engineering	—	89	189	227	255	311	360	442	548	604
Electrical	1,593	1,519	1,395	1,424	1,314	1,269	1,174	1,147	1,074	953
Engineering Science and Mechanics	79	64	60	54	53	30	14	3	—	—
Industrial and Systems	909	897	852	861	797	815	858	911	981	990
Mechanical	1,178	1,227	1,229	1,282	1,247	1,115	1,113	1,091	1,049	1,033
Nuclear and Health Physics	111	101	83	72	73	63	59	45	33	26
Polymer and Textile Chemistry	—	—	—	—	—	—	—	—	39	37
Textiles	29	41	43	52	53	44	39	34	23	28
Textile Chemistry	17	16	19	23	24	37	49	57	—	—
Textile Engineering	66	93	118	128	132	145	142	123	89	84
Undeclared Engineering	530	558	578	505	473	530	461	437	402	440
Total Engineering	**6,003**	**6,071**	**6,056**	**6,271**	**6,206**	**6,174**	**6,107**	**6,130**	**5,990**	**5,817**
				Ivan Allen						
Economics	51	61	64	52	42	38	43	44	52	43
History, Technology, and Society	—	—	—	8	24	32	30	38	39	48
International Affairs	—	—	—	85	153	173	168	161	158	167
Literature, Communication, and Culture	—	—	—	6	11	19	—	—	—	—
Management	1,265	1,233	1,162	1,065	889	746	667	706	738	797
Management Science	50	56	49	36	41	46	46	46	35	49
Science, Technology and Culture	—	—	—	—	—	—	24	24	35	52
Undeclared Ivan Allen	107	99	88	77	67	50	50	78	88	91
Total Ivan Allen	**1,473**	**1,449**	**1,363**	**1,329**	**1,227**	**1,104**	**1,028**	**1,097**	**1,145**	**1,247**
				Sciences						
Biology	157	182	198	239	249	274	324	369	360	352
Chemistry	91	99	97	122	137	139	152	168	146	140
Earth and Atmosphere Sciences	—	—	—	—	—	—	42	36	42	44
Information and Computer Science	458	435	—	—	—	—	—	—	—	—
Mathematics	80	91	86	79	77	83	83	79	75	68
Physics	187	175	161	153	140	159	147	129	97	101
Psychology	44	44	39	30	36	39	48	52	58	67
Undeclared Sciences	136	141	176	174	178	171	232	199	229	96
Total Sciences	**1,153**	**1,167**	**757**	**797**	**817**	**865**	**1,028**	**1,032**	**1,007**	**868**
				Special Non-Degree						
No College Declared	—	—	—	—	—	—	—	—	—	162
Total No College Declared	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**—**	**162**
				Institute						
Total	**9,213**	**9,324**	**9,270**	**9,487**	**9,319**	**9,163**	**9,212**	**9,473**	**9,469**	**9,594**

* Fall Quarter 1997 numbers differ from the Board of Regents reports and the Integrated Postsecondary Education Data System (IPEDS) due todifferent census dates.

Source: Office of the Registrar

ENROLLMENT

Fig. 2.6 Undergraduate Enrollment by College
Fall Quarters 1988-97



Note: Except for the College of Engineering, data are not directly comparable to previous years due to a major academic restructuring beginning in Fiscal Year 1990. Vertical scale is logarithmic to better display the mix of a large and several smaller numbers.

Source: Office of the Registrar

ENROLLMENT

Table 2.19 Graduate Enrollment by College, Fall Quarters 1988-97

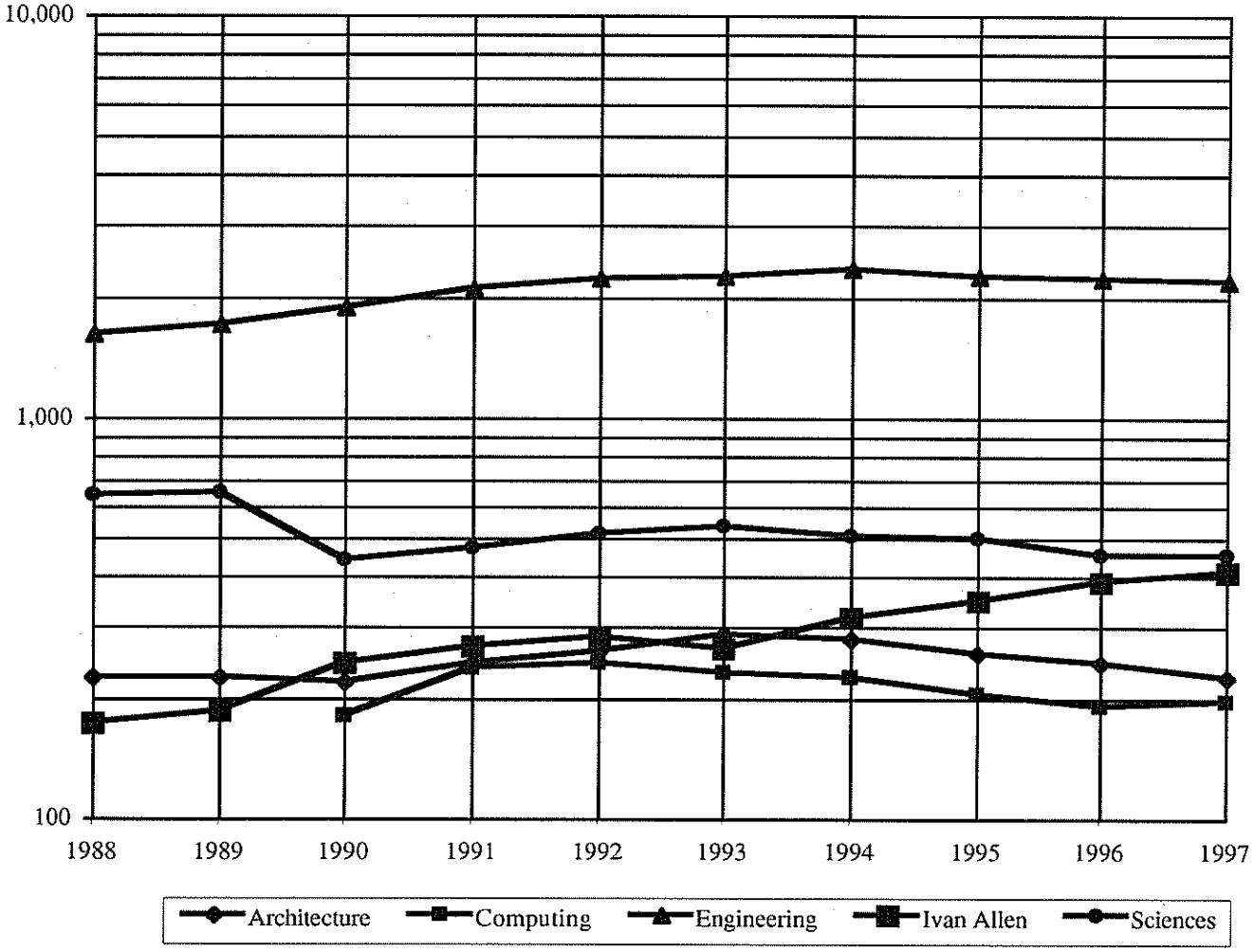
School	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997*
				Architecture						
Architecture	174	173	165	171	180	193	192	172	166	158
City Planning	52	54	54	74	81	98	91	86	80	69
Total Architecture	**226**	**227**	**220**	**245**	**261**	**291**	**283**	**260**	**246**	**227**
				Computing						
Algorithms, Combinatorics, & Opt.	—	—	—	—	—	—	—	—	—	2
Computer Science	—	—	182	239	246	233	225	204	191	188
Human-Computer Interaction	—	—	—	—	—	—	—	—	—	6
Total Computing	**—**	**—**	**182**	**239**	**246**	**233**	**225**	**204**	**191**	**196**
				Engineering						
Aerospace	162	177	164	174	191	206	240	190	202	196
Bioengineering	—	—	—	—	—	—	—	—	—	11
Ceramic and Materials	20	21	30	25	21	39	43	36	22	34
Chemical	78	73	75	83	86	96	108	117	110	109
Civil	164	190	188	178	212	217	216	246	257	245
Electrical	591	624	667	700	740	807	817	735	714	690
Engineering Science and Mechanics	21	26	25	25	30	25	17	12	7	6
Environmental Engineering	31	34	57	80	90	88	125	137	135	136
Health Systems	—	—	—	—	—	—	10	14	6	10
Industrial and Systems	200	198	247	317	299	251	220	209	193	177
Mechanical	224	224	257	311	334	320	314	356	367	412
Metallurgical	31	25	29	36	33	38	38	40	54	34
Nuclear and Health Physics	79	78	89	97	122	117	105	83	78	62
Operations Research	—	—	—	—	—	—	18	10	12	19
Polymers	—	—	—	—	—	—	—	—	—	5
Statistics	—	—	—	—	—	—	—	—	—	1
Textiles	3	9	13	19	15	13	6	4	4	3
Textile Chemistry	5	3	6	8	5	4	4	7	6	5
Textile Engineering	20	21	35	41	45	45	58	52	57	39
Undeclared Engineering	—	—	—	—	—	—	12	1	4	6
Total Engineering	**1,629**	**1,703**	**1,882**	**2,094**	**2,223**	**2,266**	**2,351**	**2,249**	**2,228**	**2,200**
				Ivan Allen						
Economics	—	—	—	2	3	8	24	20	8	11
History of Technology	—	—	—	—	—	—	7	15	17	13
Human-Computer Interaction	—	—	—	—	—	—	—	—	—	1
Information, Design & Technology	—	—	—	—	—	—	33	37	39	35
International Affairs	—	—	—	—	—	—	—	—	19	33
Management	173	185	186	219	232	220	213	206	216	203
Management of Technology	—	—	—	—	—	—	—	23	51	74
Public Policy	—	—	—	20	32	32	38	44	42	44
Technology and Science Policy	—	—	59	30	17	8	5	3	1	1
Undeclared Ivan Allen	—	—	—	—	—	—	—	—	—	1
Total Ivan Allen	**173**	**185**	**245**	**271**	**284**	**268**	**320**	**349**	**393**	**416**
				Sciences						
Algorithms, Combinatorics, & Opt.	—	—	—	—	—	—	—	—	—	3
Biology	39	42	45	42	46	46	40	40	42	47
Chemistry	96	98	107	127	115	118	121	123	117	130
Earth and Atmospheric Sciences	68	68	63	69	68	83	68	70	70	48
Information and Computer Science	180	180	—	—	—	—	—	—	—	—
Mathematics	68	64	64	66	90	85	83	79	67	70
Physics	86	84	99	100	113	114	108	96	85	82
Psychology	65	67	64	73	82	90	89	89	77	70
Technology and Science Policy	44	47	—	—	—	—	—	—	—	—
Statistics	—	—	—	—	—	—	—	—	—	2
Undeclared	—	—	—	1	1	1	0	4	0	1
Total Sciences	**646**	**650**	**442**	**478**	**515**	**537**	**509**	**501**	**458**	**453**
				Institute						
Total	**2,674**	**2,765**	**2,971**	**3,327**	**3,529**	**3,595**	**3,688**	**3,563**	**3,516**	**3,492**

* Fall Quarter 1997 numbers differ from the Board of Regents reports and the Integrated Postsecondary Education Data System (IPEDS) due to different census dates.

Source: Office of the Registrar

ENROLLMENT

Fig. 2.7 Graduate Enrollment by College
Fall Quarters 1988-97



Note: Except for the College of Engineering, data are not directly comparable to previous years due to a major academic restructuring beginning in Fiscal Year 1990. Vertical scale is logarithmic to better display the mix of a large and several smaller numbers.

Source: Office of the Registrar

ENROLLMENT

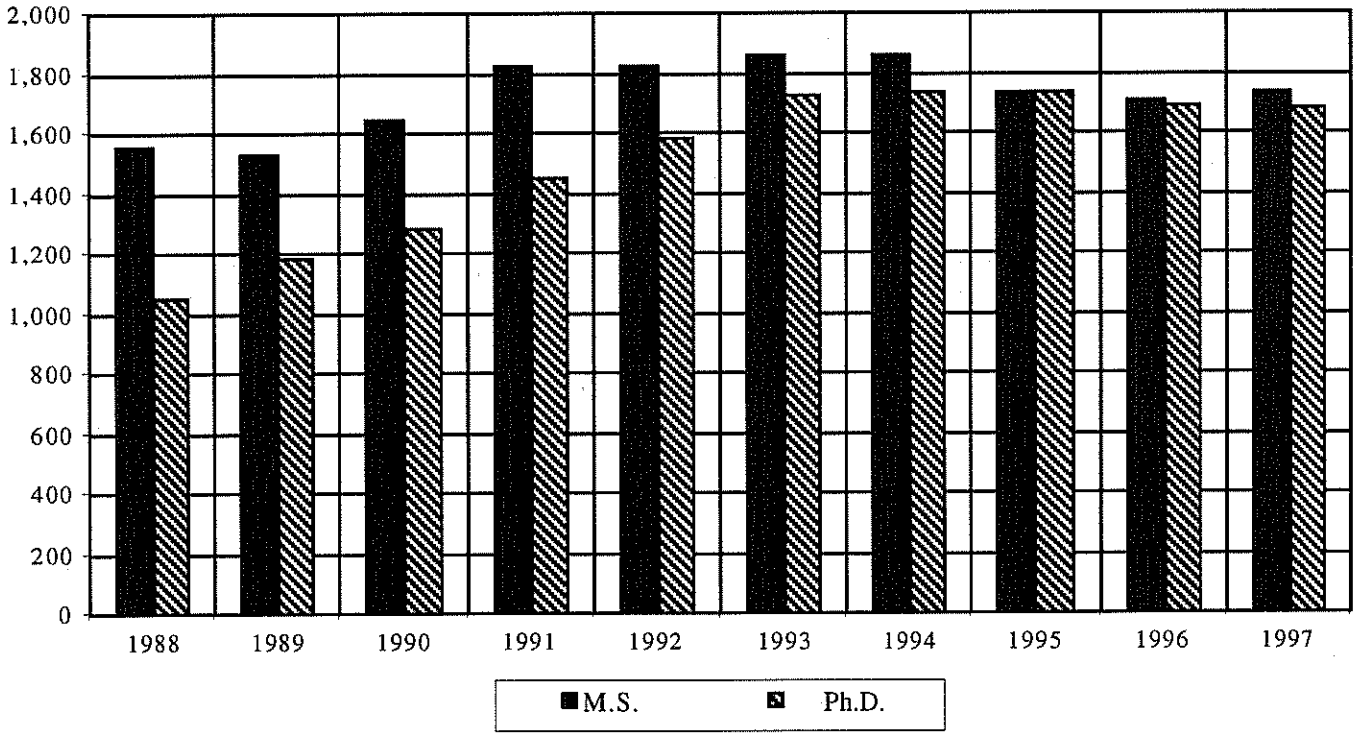
Table 2.20 Graduate Enrollment by Degree Program, Fall Quarters 1988-97*

	Architecture		Computing		Engineering		Ivan Allen		Sciences		Total	
Year	M.S.	Ph.D.	M.S.	Ph.D.	M.S.	Ph.D.	M.S.	Ph.D.	M.S.	Ph.D.	M.S.	Ph.D.
1988	205	18	–	–	925	671	156	14	271	349	1,557	1,052
1989	203	17	–	–	916	757	165	18	245	386	1,529	1,178
1990	191	24	73	109	1,062	797	213	25	103	326	1,642	1,281
1991	211	28	106	120	1,165	908	236	31	105	359	1,823	1,446
1992	143	33	108	126	1,217	995	248	34	105	395	1,821	1,583
1993	254	36	95	128	1,160	1,096	254	36	93	430	1,856	1,726
1994	245	37	85	134	1,165	1,115	274	33	86	413	1,855	1,732
1995	226	29	76	120	1,066	1,127	302	38	66	417	1,736	1,731
1996	207	32	69	117	1,030	1,115	342	39	62	388	1,710	1,691
1997**	191	32	59	129	1,029	1,117	367	39	87	361	1,733	1,678

* Includes both full- and part-time Ph.D. and M.S. students; does not include special students.

** Fall Quarter 1997 numbers differ from the Board of Regents reports and the Integrated Postsecondary Education Data System (IPEDS) due to different census dates.

Fig. 2.8 Graduate Enrollment by Degree Program
Fall Quarters 1988-97



Source: Office of the Registrar

DISTRIBUTION OF GRADES

Table 2.21 Student Grades by College, Fall Quarter 1997

College	A	B	C	D	F	S*	U*	I*	W*	V*
Undergraduate Lower Division										
Architecture										
Number	581	321	88	16	15	67	3	7	68	1
Percentage	49.7	27.5	7.5	1.3	1.2	5.7	0.2	0.5	5.8	0.0
Computing										
Number	489	458	275	89	64	8	0	4	127	3
Percentage	32.2	30.1	18.1	5.8	4.2	0.5	0.0	0.2	8.3	0.1
Engineering										
Number	610	466	311	118	70	50	0	25	153	0
Percentage	33.8	25.8	17.2	6.5	3.8	2.7	0.0	1.3	8.4	0.0
Ivan Allen										
Number	1,763	2,464	1,408	402	152	301	85	64	320	39
Percentage	25.1	35.2	20.1	5.7	2.1	4.3	1.2	0.9	4.5	0.5
Sciences										
Number	3,173	2,481	2,113	904	477	454	8	60	537	1
Percentage	31.0	24.3	20.6	8.8	4.6	4.4	0.0	0.5	5.2	0.0
Undergraduate Upper Division										
Architecture										
Number	700	386	119	34	14	4	0	18	73	0
Percentage	51.9	28.6	8.8	2.5	1.0	0.2	0.0	1.3	5.4	0.0
Computing										
Number	450	206	137	33	18	12	0	16	93	24
Percentage	45.5	20.8	13.8	3.3	1.8	1.2	0.0	1.6	9.4	2.4
Engineering										
Number	3,230	3,134	1,828	473	207	90	5	183	499	27
Percentage	33.3	32.3	18.8	4.8	2.1	0.9	0.0	1.8	5.1	0.2
Ivan Allen										
Number	1,555	1,504	534	96	50	109	8	61	241	36
Percentage	37.0	35.8	12.7	2.2	1.1	2.5	0.1	1.4	5.7	0.8
Sciences										
Number	1,327	1,501	883	270	125	134	5	32	311	20
Percentage	28.7	32.5	19.1	5.8	2.7	2.9	0.1	0.6	6.7	0.4
Graduate										
Architecture										
Number	331	252	18	2	4	52	4	24	20	0
Percentage	46.8	35.6	2.5	0.2	0.5	7.3	0.5	3.3	2.8	0.0
Computing										
Number	359	109	10	0	3	204	2	11	39	131
Percentage	41.3	12.5	1.1	0.0	0.3	23.5	0.2	1.2	4.4	15.0
Engineering										
Number	1,685	982	138	18	5	1,517	17	244	158	837
Percentage	30.0	17.5	2.4	0.3	0.0	27.0	0.3	4.3	2.8	14.9
Ivan Allen										
Number	968	399	29	3	7	163	1	38	36	108
Percentage	55.2	22.7	1.6	0.1	0.3	9.3	0.0	2.1	2.0	6.1
Sciences										
Number	473	214	40	1	2	558	10	49	45	271
Percentage	28.4	12.8	2.4	0.0	0.1	33.5	0.6	2.9	2.7	16.2

*S=Satisfactory Completion of Pass/Fail
*U=Unsatisfactory Completion of Pass/Fail
*I=Incomplete
*W=Withdrawn
*V=Audit

Source: Office of the Registrar

DISTRIBUTION OF GRADES

Fig. 2.9 Undergraduate Lower Division
Fall Quarter 1997

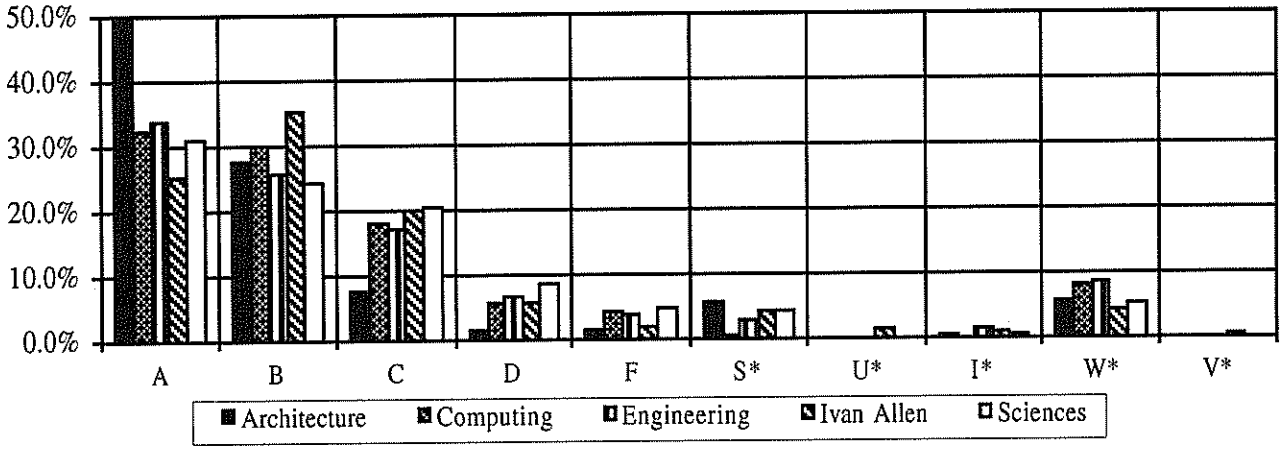


Fig. 2.10 Undergraduate Upper Division
Fall Quarter 1997

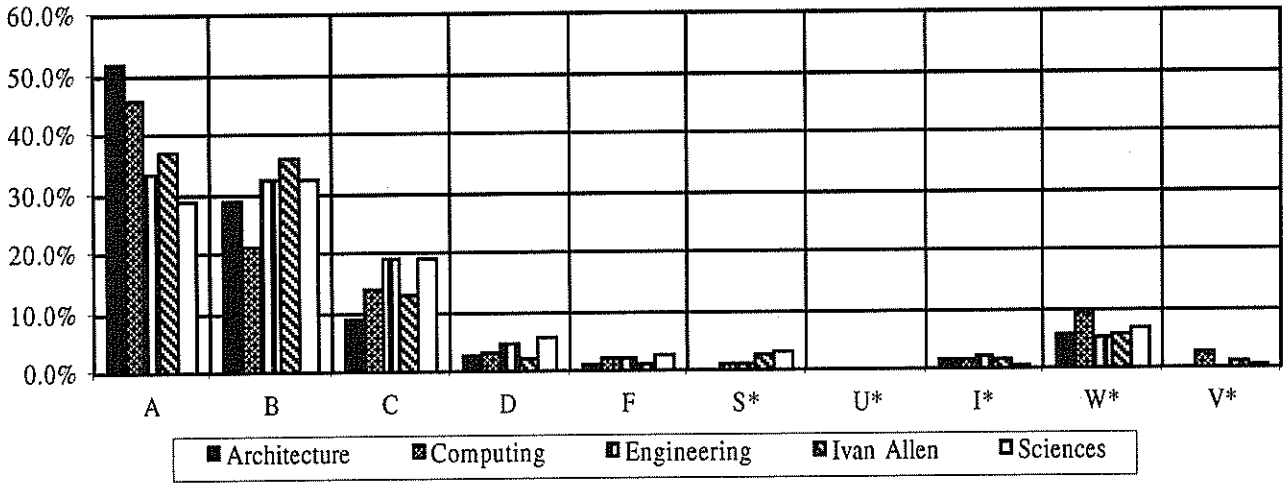
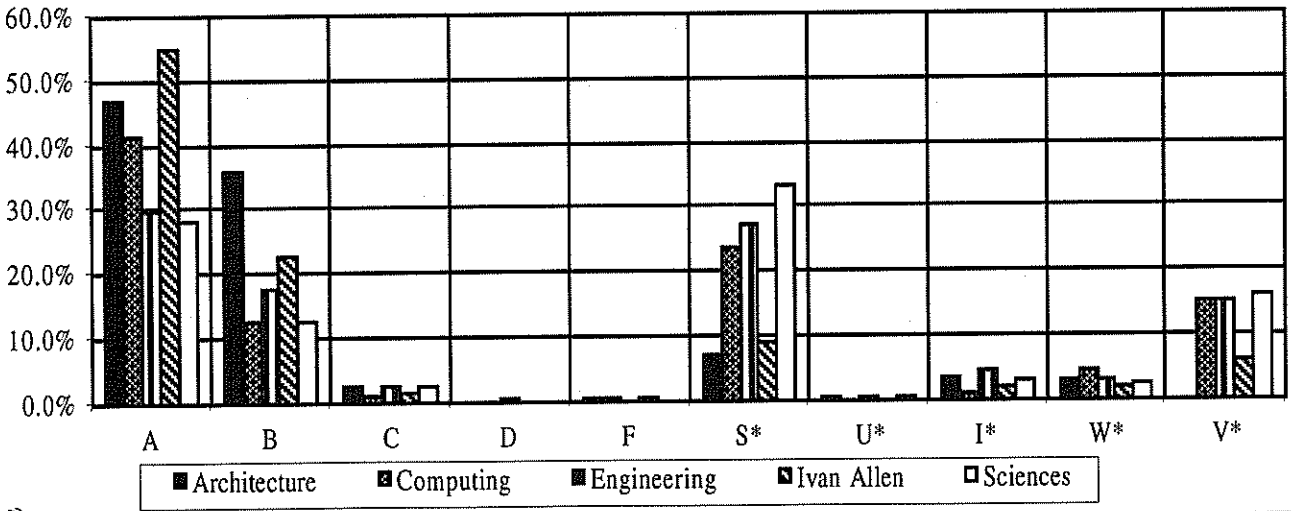


Fig. 2.11 Graduate Division
Fall Quarter 1997

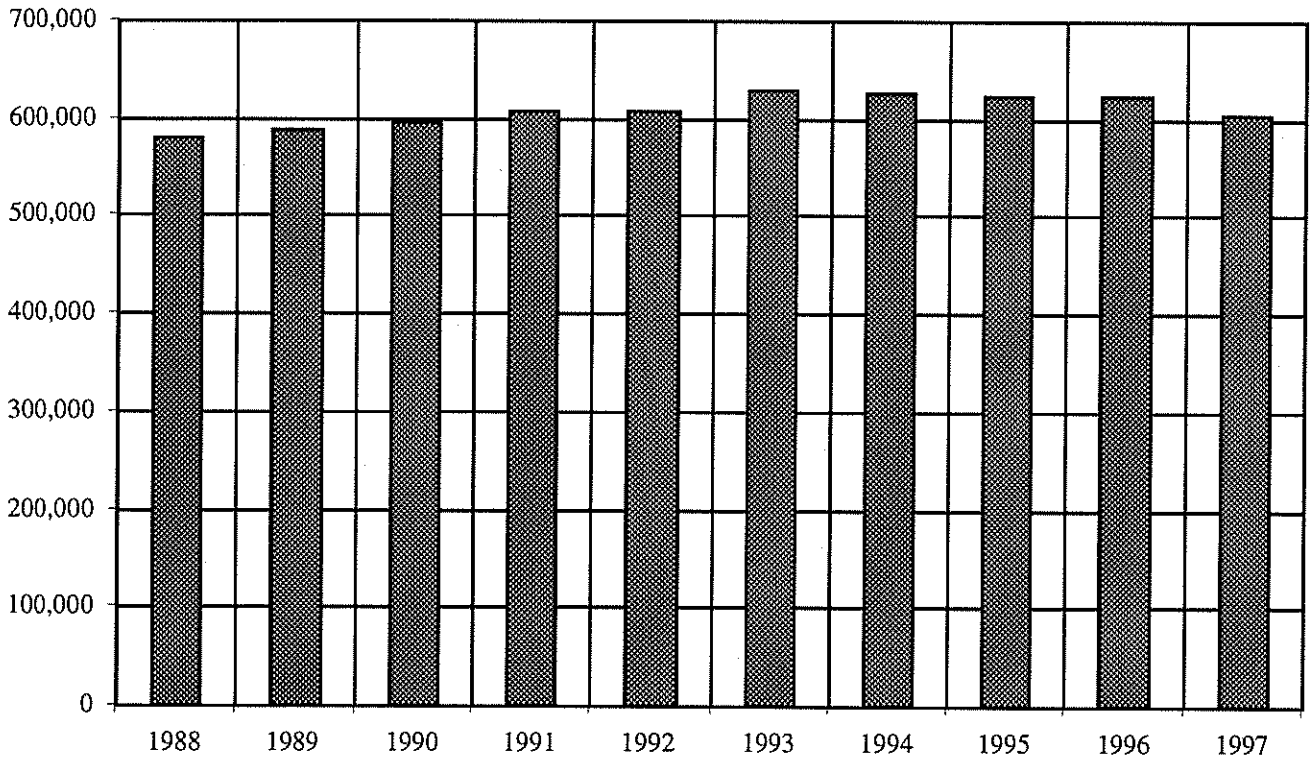


CREDIT HOURS

Table 2.22 Student Credit Hours by Division, Fiscal Years 1987-88 to 1996-97

Fiscal Year	Lower Division	Upper Division	Graduate Division	Total
1996-97	229,037	219,942	155,381	604,360
1995-96	230,301	232,124	161,623	624,048
1994-95	223,310	238,010	162,580	623,901
1993-94	219,894	244,671	161,530	626,095
1992-93	228,650	244,288	156,515	629,454
1991-92	231,543	236,051	140,855	608,480
1990-91	236,652	240,453	129,481	606,586
1989-90	239,133	234,613	123,606	597,352
1988-89	238,317	226,977	123,011	588,305
1987-88	245,634	223,006	112,553	581,193

Fig. 2.12 Total Student Credit Hours
Fiscal Years 1988-1997



Source: Office of the Board of Regents

CREDIT HOURS

Fig. 2.13 Student Credit Hours, Lower Division Fiscal Years 1988-1997

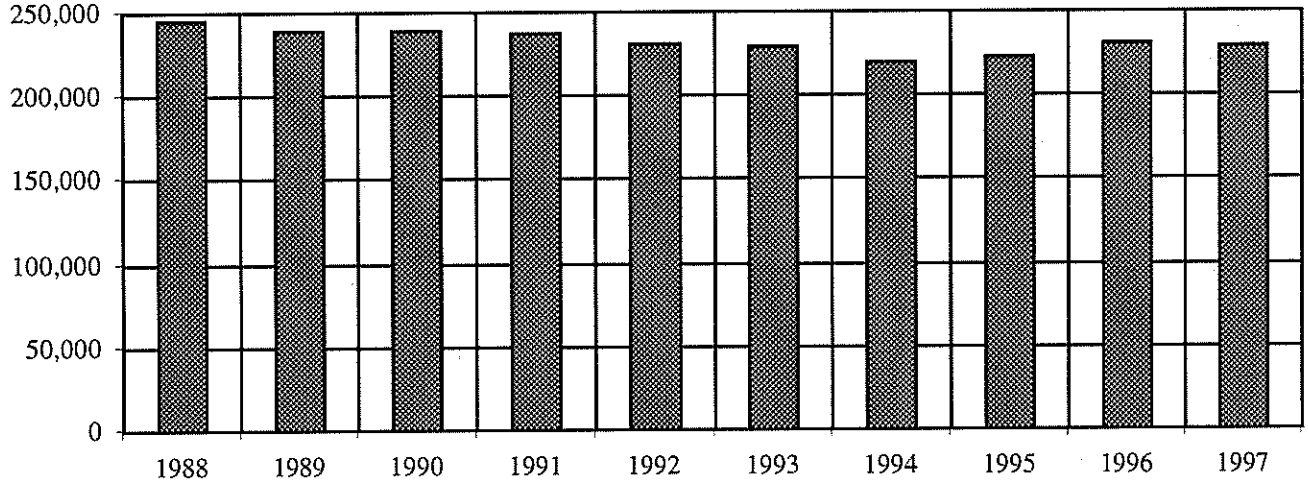


Fig. 2.14 Student Credit Hours, Upper Division Fiscal Years 1988-1997

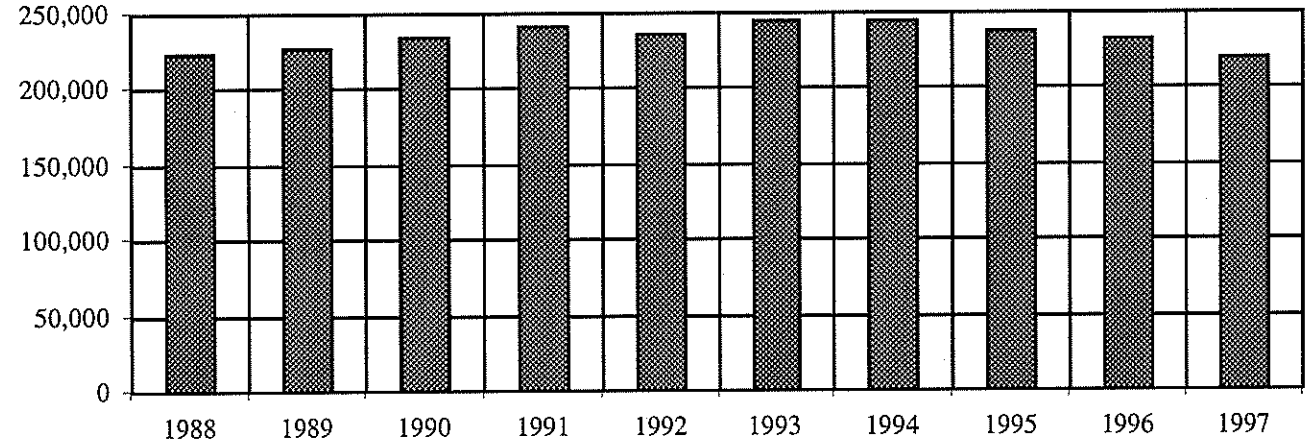
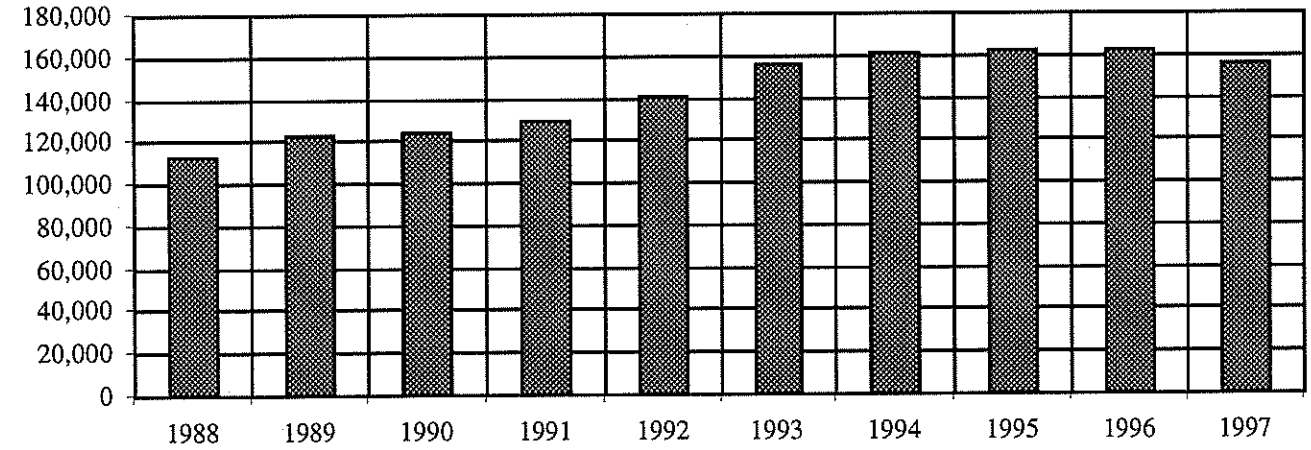


Fig. 2.15 Student Credit Hours, Graduate Division Fiscal Years 1988-1997



Source: Office of the Board of Regents

UNDERGRADUATE COOPERATIVE PROGRAM

Since 1912, Georgia Tech has offered a five-year cooperative program to those students who wish to combine career-related experience with classroom studies. The program is the fourth oldest of its kind in the world and the largest optional co-op program in the country. Students who enroll in this program alternate between industrial assignments and classroom studies on a quarterly basis, completing the same course work on the campus that is completed by regular four-year students. Graduates of the program are awarded a degree in their field with the designation "Cooperative Plan." By completing work assignments abroad and exhibiting proficiency in a foreign language, students may earn the "International Cooperative Plan" designation.

Professional work experience gives cooperative students an opportunity to develop their career interests, become more confident in their career choices, and gives them an opportunity to develop human relations skills through their work experiences. They are paid for their work in industry and are able to save a portion of their salaries, which can be applied toward educational expenses. More than 600 companies, throughout the U.S. and internationally, participate in the program.

Table 2.23 Undergraduate Cooperative Program Enrollment by Major, Fiscal Years 1988-1997

Major	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Aerospace Engineering	152	123	116	111	128	123	113	121	122	148
Biology	16	19	15	24	32	35	32	58	39	35
Building Construction	0	0	0	0	0	0	0	0	0	3
Ceramic Engineering	20	17	11	4	5	7	7	8	5	1
Chemical Engineering	203	202	205	232	295	354	343	445	414	400
Chemistry	15	18	18	24	21	28	31	28	31	28
Civil Engineering	146	146	172	208	203	238	280	318	319	286
Computer Engineering	1	35	75	97	101	133	164	247	302	331
Computer Science	187	170	148	149	151	180	204	289	317	355
Earth and Atmospheric Sciences	0	0	0	0	0	2	8	6	7	10
Economics	5	6	5	5	6	6	8	6	4	3
Electrical Engineering	776	739	699	672	625	609	609	617	526	473
Engineering Science and Mechanics	18	20	16	15	10	14	4	4	1	0
Health Physics	3	1	0	0	0	0	0	0	0	0
Industrial Design	0	0	2	17	29	30	36	39	52	45
Industrial Engineering	323	322	321	338	320	309	323	368	439	451
International Affairs	0	0	0	0	15	22	27	30	29	34
Management	157	165	169	183	166	143	118	131	171	205
Management Science	10	11	14	9	11	13	10	11	10	17
Materials Engineering	6	13	18	32	29	27	23	20	22	25
Mathematics	14	14	13	12	10	10	11	13	10	13
Mechanical Engineering	456	506	536	610	617	511	571	637	613	641
Nuclear and Radiological Engineering	32	32	20	22	21	17	12	13	11	12
Physics	45	40	33	32	33	30	21	21	17	15
Polymer and Textile Chemistry	3	5	7	9	8	16	16	20	19	16
Science, Technology and Culture	0	0	0	0	0	0	0	4	5	9
Textiles	3	6	7	7	5	6	8	10	11	6
Textile Engineering	24	31	35	41	56	61	62	71	49	50
Undecided Engineering College	78	85	94	75	96	189	124	176	134	124
Undecided Ivan Allen College	7	15	13	10	15	8	5	13	15	4
Undecided Sciences College	0	0	0	0	0	11	17	9	11	6
Total	**2,700**	**2,741**	**2,762**	**2,938**	**3,008**	**3,132**	**3,187**	**3,733**	**3,705**	**3,746**

Prior to 1990, Undecided Ivan Allen = Undecided Management
Prior to 1990, Undecided Sciences = Undecided COSALS (College of Sciences and Liberal Studies)

Table 2.24 Undergraduate Cooperative Program Summary, Fiscal Years 1988-1997

	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Cumulative Enrollment	3,093	3,150	3,246	3,568	3,571	3,648	3,683	3,905	4,189	4,187
Student Graduates	373	305	325	360	416	468	409	355	427	349

Source: Office of the Director, Cooperative Division

GRADUATE COOPERATIVE PROGRAM

The Graduate Cooperative Program was established in December 1983 and is currently the largest such program in the U.S. for science and engineering. Seven-hundred sixty six (766) students (123 in 1996-97) have received their graduate degrees with Graduate Co-op Program certificates. Enrollment in the program was 392 during 1996-97, including 116 doctoral students. Summary statistics for the program are provided in the table.

Table 2.25 Graduate Cooperative Program Enrollment by Major, Fiscal Years 1988-97

Major	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Aerospace Engineering	11	13	20	27	24	25	18	20	16	8
Architecture	3	2	2	4	12	13	24	21	33	35
Biology	3	1	0	1	2	3	4	4	2	2
Chemical Engineering	6	4	4	3	1	5	4	2	12	8
Chemistry	3	2	2	2	1	5	6	5	3	4
Civil Engineering	11	13	25	41	49	31	21	16	15	14
City Planning	—	—	3	4	7	19	4	17	32	34
Earth and Atmospheric Sciences	2	6	8	10	10	5	2	3	2	1
Electrical Engineering	99	102	126	126	147	155	148	145	121	124
Engineering Science and Mechanics	4	11	12	10	13	10	1	1	0	2
Environmental Engineering	0	0	0	0	0	0	11	6	3	2
Health Physics	0	0	0	0	0	0	2	2	2	0
Information and Computer Sciences	20	23	36	51	42	55	50	48	39	40
Information Design and Technology	—	—	—	—	—	—	—	—	1	0
Industrial and Systems Engineering	27	31	44	75	84	68	43	36	35	41
Mechanical Engineering	59	51	46	47	66	79	65	55	44	49
Nuclear Engineering	1	2	3	2	4	4	2	2	2	0
Materials Engineering	4	2	3	3	3	8	4	5	7	5
Mathematics	6	8	5	5	3	5	8	8	4	3
Metallurgical Engineering	0	0	0	0	0	0	2	1	1	1
Management	26	33	39	38	33	28	27	20	12	10
Physics	11	9	13	12	15	16	9	6	3	2
Public Policy	—	—	—	—	—	—	—	—	1	1
Psychology	2	1	5	12	15	19	14	8	5	3
Textiles	4	1	5	8	6	8	3	4	5	3
Total	**302**	**315**	**401**	**481**	**537**	**561**	**472**	**435**	**400**	**392**

Table 2.26 Graduate Cooperative Program Summary, Fiscal Years 1988-97

	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Applicants	180	126	245	265	375	391	344	302	298	288
Admissions	149	121	234	249	360	380	332	288	290	281
Placements	90	179	216	253	242	317	256	216	220	215
Companies for above placements	49	78	85	141	135	148	150	126	128	130

Source: Director, Graduate Co-op and Fellowship Programs

DEGREES CONFERRED

Table 2.27 Bachelor's Degrees Conferred by College, Fiscal Years 1988-97

College	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Architecture	**78**	**98**	**104**	**103**	**84**	**164**	**123**	**127**	**120**	**91**
Architecture	46	55	62	66	49	125	69	69	63	50
Building Construction	22	30	22	25	23	28	31	34	32	21
Industrial Design	10	13	20	12	12	11	23	24	25	20
Computing	*	*	*	**92**	**97**	**87**	**70**	**74**	**89**	**79**
Information and Computer Science	*	*	*	92	97	87	70	74	89	79
Engineering	**1,062**	**1,030**	**1,145**	**1,145**	**1,207**	**1,234**	**1,226**	**1,257**	**1,413**	**1,230**
Aerospace	97	87	94	72	64	63	52	37	35	35
Ceramic	9	8	6	7	1	1	4	3	3	1
Chemical	67	67	55	58	72	84	80	137	164	148
Civil	88	97	123	98	116	125	145	165	172	176
Computer	1	8	10	16	14	19	39	45	59	58
Electrical	336	293	343	297	302	333	304	270	305	259
Engineering Science and Mechanics	9	6	9	11	7	12	10	4	3	0
Health Systems	0	0	1	0	0	0	0	0	0	0
Industrial and Systems	203	227	218	280	254	256	215	222	289	264
Materials	0	0	3	10	12	16	25	21	19	16
Mechanical	215	208	244	259	331	282	309	309	301	238
Nuclear and Radiological	24	15	21	14	7	7	12	8	13	10
Textiles	3	4	8	7	8	11	10	8	11	4
Textile Chemistry	1	5	**	**	**	**	**	**	**	**
Polymer and Textile Chemistry	**	**	2	3	5	6	5	5	8	7
Textile Engineering	9	5	8	13	14	19	16	23	31	14
Ivan Allen	**338**	**382**	**406**	**355**	**369**	**362**	**347**	**254**	**311**	**258**
Economics	7	12	15	13	16	7	6	7	14	13
History, Technology, and Society	0	0	0	1	1	2	11	11	12	10
International Affairs	0	0	0	0	7	37	37	42	44	46
Management	306	355	376	330	336	300	285	174	218	175
Management Science	25	15	15	11	8	13	5	10	16	9
Science, Technology, and Culture	0	0	0	0	1	3	3	10	7	5
Sciences	**227**	**200**	**193**	**134**	**127**	**127**	**119**	**155**	**189**	**136**
Applied Physics	26	23	13	17	14	8	13	9	8	3
Biology	24	16	24	31	45	46	33	53	76	45
Chemistry	14	20	17	29	22	29	24	30	43	31
Earth and Atmospheric Sciences	0	0	0	0	0	0	1	2	7	14
Information and Computer Science	103	94	88	*	*	*	*	*	*	*
Mathematics	24	15	11	17	18	13	13	13	15	15
Physics	23	25	26	28	17	24	27	28	31	20
Psychology	13	7	14	12	11	7	8	20	9	8
Total Bachelor's Degrees	**1,705**	**1,710**	**1,848**	**1,829**	**1,884**	**1,974**	**1,885**	**1,867**	**2,122**	**1,794**

* Effective FY 1990 Information and Computer Science in the College of Sciences and Liberal Studies (COSALS) became Computer Science in the College of Computing.

**Effective FY 1990 Bachelor's Degree in Textile Chemistry was changed to Bachelor's Degree in Polymer and Textile Chemistry.

Except for the College of Engineering, data are not directly comparable to previous years due to a major academic restructuring beginning in Fiscal Year 1990.

Source: Office of the Registrar

DEGREES CONFERRED

Table 2.28 Master's Degrees Conferred by College, Fiscal Years 1988-97

College	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Architecture	**66**	**76**	**64**	**68**	**51**	**72**	**81**	**95**	**108**	**83**
Architecture	40	53	42	46	30	47	42	51	73	44
City Planning	26	23	22	22	21	25	39	44	35	39
Computing	**	**	**	**57**	**53**	**69**	**65**	**64**	**50**	**46**
Information and Computer Science	**	**	**	57	53	69	65	64	50	46
Engineering	**509**	**512**	**519**	**562**	**572**	**723**	**721**	**654**	**650**	**558**
Aerospace	29	46	51	57	49	57	70	57	54	38
Bioengineering	—	—	—	—	—	—	—	1	0	0
Ceramic	2	4	1	4	3	7	6	6	8	7
Chemical	13	10	4	7	8	9	13	11	18	14
Civil	52	57	61	68	53	101	90	108	109	98
Electrical	228	179	209	231	203	224	252	219	216	172
Engineering Science and Mechanics	7	3	5	5	4	5	6	3	1	4
Environmental	1	6	10	6	14	25	34	16	27	12
Health Physics	15	29	13	14	14	25	27	23	14	16
Health Systems	6	8	4	7	10	19	11	16	18	9
Industrial	22	24	21	36	48	64	44	30	37	51
Industrial and Systems	16	23	20	15	30	24	22	28	27	12
Materials	—	—	—	—	—	—	1	0	2	2
Mechanical	81	69	68	66	86	105	85	75	75	71
Metallurgical	3	8	3	5	3	7	8	5	4	7
Nuclear	4	6	14	8	8	4	3	11	2	4
Operations Research	18	26	23	22	23	24	25	22	9	17
Polymers	1	7	3	2	2	1	4	5	12	9
Statistics	1	4	2	2	6	6	5	9	4	2
Textiles	2	—	1	1	5	7	3	0	2	0
Textile Engineering	8	3	6	6	3	9	8	9	7	11
Textile Chemistry	—	—	—	—	—	—	4	0	4	2
Ivan Allen	**78**	**69**	**84**	**72**	**92**	**119**	**102**	**122**	**133**	**156**
Economics	—	—	—	1	1	6	4	6	5	5
History of Technology	—	—	—	—	—	—	1	2	0	1
Information, Design, and Tech.	—	—	—	—	—	—	—	10	13	10
Management	78	69	84	69	81	100	91	90	102	104
Management of Technology	—	—	—	—	—	—	—	—	—	20
Public Policy	—	—	—	2	10	13	6	14	11	16
Statistics	—	—	—	—	—	—	—	—	2	0
Sciences	**147**	**140**	**124**	**63**	**56**	**65**	**92**	**58**	**92**	**52**
Applied Physics	13	7	6	4	4	4	6	3	1	0
Biology	2	5	4	3	6	0	9	6	7	1
Chemistry	6	10	9	7	9	13	12	6	22	12
Earth and Atmospheric Sciences	12	10	12	8	9	9	17	6	9	10
Information And Computer Science	79	72	40	**	**	**	**	**	**	**
Mathematics	9	11	15	13	5	12	12	14	16	8
Physics	12	8	15	10	15	18	15	13	18	7
Psychology	7	7	8	13	8	7	15	7	14	11
Social Sciences	6	7	11	—	—	—	—	—	—	—
Statistics	1	3	4	1	0	2	6	3	5	3
Technology and Science Policy	—	—	—	4	—	—	—	—	—	—
Total Master's Degrees	**800**	**797**	**791**	**822**	**824**	**1,048**	**1,061**	**993**	**1,033**	**895**

** Effective FY 1990 Information and Computer Science in the College of Sciences and Liberal Studies (COSALS) became Computer Science in the College of Computing.

Except for the College of Engineering, data are not directly comparable to previous years due to a major academic restructuring beginning in Fiscal Year 1990.

Source: Office of the Registrar

DEGREES CONFERRED

Table 2.29 Doctoral Degrees Conferred by College, Fiscal Years 1988-97

College	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Architecture	**1**	**3**	**2**	**2**	**1**	**7**	**6**	**4**	**5**	**4**
Architecture	1	3	2	2	1	7	6	4	5	4
Computing	**	**	**	**12**	**8**	**15**	**9**	**10**	**26**	**13**
Information and Computer Science	**	**	**	12	8	15	9	10	26	13
Engineering	**63**	**81**	**81**	**104**	**129**	**124**	**140**	**120**	**171**	**152**
Aerospace	8	19	15	15	20	15	17	12	21	16
Ceramic	1	1	1	3	1	1	2	3	1	1
Chemical	17	8	8	9	8	12	8	4	18	13
Civil	4	6	2	8	3	11	12	15	6	11
Electrical	7	12	28	33	48	31	46	39	52	54
Engineering Science and Mechanics	1	3	0	1	2	3	1	0	3	1
Environmental	2	2	0	0	0	0	1	1	2	1
Industrial	9	7	9	7	16	20	12	14	24	14
Metallurgical	1	3	4	4	3	3	5	3	8	8
Mechanical	10	17	11	16	23	24	29	21	25	22
Nuclear	1	3	2	7	3	3	6	4	8	7
Textile Engineering	2	0	1	1	2	1	1	4	3	4
Ivan Allen	**2**	**2**	**1**	**2**	**3**	**4**	**5**	**5**	**6**	**3**
History, Technology, and Society	—	—	—	—	—	—	—	—	1	0
Management	2	2	1	2	3	4	5	5	5	3
Sciences	**31**	**39**	**30**	**36**	**47**	**46**	**42**	**50**	**44**	**52**
Biology	2	3	0	6	3	4	7	2	6	3
Chemistry	16	13	6	8	14	17	13	13	6	13
Earth and Atmosphere	—	—	—	—	—	—	1	12	3	8
Geophysical Sciences	1	5	7	6	7	5	4	—	—	—
Mathematics	1	4	4	1	7	5	6	6	8	4
Information and Computer Science	6	9	6	**	**	**	**	**	**	**
Physics	2	2	4	9	12	9	5	9	11	18
Psychology	3	3	3	6	4	6	6	8	10	6
Total Doctoral Degrees	**97**	**125**	**114**	**156**	**188**	**196**	**202**	**189**	**252**	**224**

** Effective FY 1990 Information and Computer Science in the College of Sciences and Liberal Studies (COSALS) became Computer Science in the College of Computing.

Except for the College of Engineering, data are not directly comparable to previous years due to a major academic restructuring beginning in Fiscal Year 1990.

Table 2.30 Total Degrees Granted through Spring Quarter 1997

Degree	Number Granted
Bachelor's	78,198
Master's	22,919
Doctoral	3,364
Overall	104,481

Source: Office of the Registrar

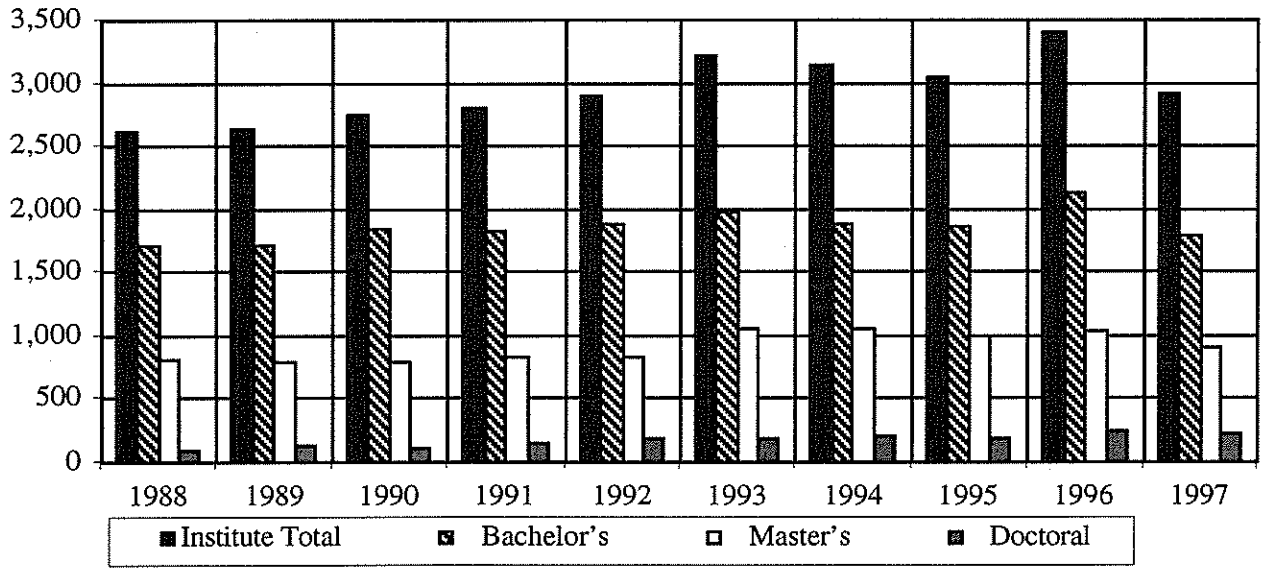
DEGREES CONFERRED

Table 2.31 Summary of Degrees Conferred, by College and Degree, Fiscal Years 1988-97

College	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Architecture	**156**	**177**	**170**	**173**	**136**	**243**	**210**	**226**	**233**	**178**
Bachelor's	78	98	104	103	84	164	123	127	120	91
Master's	77	76	64	68	51	72	81	95	108	83
Doctoral	1	3	2	2	1	7	6	4	5	4
Computing	**0**	**0**	**0**	**161**	**158**	**171**	**144**	**148**	**165**	**138**
Bachelor's	0	0	0	92	97	87	70	74	89	79
Master's	0	0	0	57	53	69	65	64	50	46
Doctoral	0	0	0	12	8	15	9	10	26	13
Engineering	**1,634**	**1,624**	**1,744**	**1,811**	**1,915**	**2,082**	**2,087**	**2,031**	**2,234**	**1,940**
Bachelor's	1,062	1,031	1,144	1,145	1,207	1,235	1,226	1,257	1,413	1,230
Master's	509	512	519	562	579	723	721	654	650	558
Doctoral	63	81	81	104	129	124	140	120	171	152
Ivan Allen	**418**	**453**	**491**	**429**	**464**	**485**	**454**	**381**	**450**	**417**
Bachelor's	338	382	406	355	369	362	347	254	311	258
Master's	78	69	84	72	92	119	102	122	133	156
Doctoral	2	2	1	2	3	4	5	5	6	3
Science	**405**	**379**	**347**	**233**	**230**	**232**	**253**	**263**	**325**	**240**
Bachelor's	227	200	193	134	127	121	119	155	189	136
Master's	147	140	124	63	56	65	92	58	92	52
Doctoral	31	39	30	36	47	46	42	50	44	52
Institute Total	**2,613**	**2,633**	**2,752**	**2,807**	**2,903**	**3,213**	**3,148**	**3,049**	**3,407**	**2,913**
Bachelor's	1,705	1,711	1,847	1,829	1,884	1,969	1,885	1,867	2,122	1,794
Master's	811	797	791	822	831	1048	1,061	993	1,033	895
Doctoral	97	125	114	156	188	196	202	189	252	224

Except for the College of Engineering, data are not directly comparable to previous years due to a major academic restructuring beginning in Fiscal Year 1990.

Fig. 2.16 Total Degrees Conferred Fiscal Years 1988-1997



Source: Office of the Registrar

DEGREES CONFERRED

Table 2.32 Degrees Conferred by College, Ethnicity, and Gender, Summer Quarter 1996 - Spring Quarter 1997

	Asian		Black		Hispanic		American Indian		White		Nonresident Aliens		Total	
College	M	F	M	F	M	F	M	F	M	F	M	F	M	F
							Bachelor's							
Architecture	6	3	5	5	1	1	0	0	46	15	8	1	66	25
Computing	7	1	4	1	1	1	0	0	51	7	5	1	68	11
Engineering	83	18	90	59	36	6	2	1	680	185	57	13	948	282
Ivan Allen	2	6	13	7	4	2	0	0	120	98	2	4	141	117
Sciences	12	4	3	5	2	3	0	0	65	40	1	1	83	53
Total	**110**	**32**	**115**	**77**	**44**	**13**	**2**	**1**	**962**	**345**	**73**	**20**	**1,306**	**488**
							Master's							
Architecture	1	6	1	2	0	1	0	0	39	23	6	4	47	36
Computing	1	2	1	0	0	0	0	0	26	3	13	0	41	5
Engineering	28	9	26	14	22	9	0	0	226	56	142	26	444	114
Ivan Allen	5	3	5	5	4	0	0	0	64	28	27	15	105	51
Sciences	0	1	0	1	1	0	0	1	24	15	3	6	28	24
Total	**35**	**21**	**33**	**22**	**27**	**10**	**0**	**1**	**379**	**125**	**191**	**51**	**665**	**230**
							Doctoral							
Architecture	0	0	0	0	0	0	0	0	0	2	1	1	1	3
Computing	0	0	0	0	0	1	0	0	5	0	6	1	11	2
Engineering	1	1	4	2	5	0	0	0	61	15	59	4	130	22
Ivan Allen	0	0	0	0	0	0	0	0	0	2	1	0	1	2
Sciences	4	0	2	0	0	1	0	0	25	3	14	3	45	7
Total	**5**	**1**	**6**	**2**	**5**	**2**	**0**	**0**	**91**	**22**	**81**	**9**	**188**	**36**
							Institute							
Total Institute	**150**	**54**	**154**	**101**	**76**	**25**	**2**	**2**	**1,432**	**492**	**345**	**80**	**2,159**	**754**

Source: Office of the Registrar

DEGREES CONFERRED

Table 2.33 Degrees Conferred by Georgia County of Residence, Summer Quarter 1996 - Spring Quarter 1997

County	Bachelor's	Master's	PhD	County	Bachelor's	Master's	PhD	County	Bachelor's	Master's	PhD
Appling	0	1	0	Evans	1	0	0	Newton	5	0	0
Atkinson	0	0	0	Fannin	0	0	0	Oconee	1	0	0
Bacon	0	0	0	Fayette	28	6	0	Oglethorpe	0	0	0
Baker	0	0	0	Floyd	10	1	0	Paulding	1	2	0
Baldwin	1	0	0	Forsyth	6	0	0	Peach	2	2	0
Banks	1	0	0	Franklin	3	0	0	Pickens	3	0	0
Barrow	2	0	1	Fulton	202	93	7	Pierce	0	0	0
Bartow	10	1	0	Gilmer	0	0	0	Pike	2	0	0
Ben Hill	1	0	0	Glascock	0	0	0	Polk	1	0	0
Berrien	0	0	0	Glynn	7	2	0	Pulaski	3	0	0
Bibb	17	1	0	Gordon	3	0	0	Putnam	1	0	0
Bleckley	0	1	0	Grady	1	0	0	Quitman	0	0	0
Brantley	1	0	0	Greene	2	0	0	Rabun	1	0	1
Brooks	1	0	0	Gwinnett	136	25	4	Randolph	1	0	0
Bryan	3	0	0	Habersham	4	0	0	Richmond	27	3	0
Bulloch	7	1	0	Hall	21	3	0	Rockdale	20	2	1
Burke	1	0	0	Hancock	0	0	0	Schley	0	0	0
Butts	1	1	0	Haralson	0	0	0	Screven	1	0	0
Calhoun	1	0	0	Harris	3	0	0	Seminole	0	0	0
Camden	3	0	0	Hart	4	0	0	Spalding	3	0	0
Candler	1	0	0	Heard	2	0	0	Stephens	3	0	1
Carroll	8	2	0	Henry	12	3	0	Stewart	0	0	0
Catoosa	4	1	0	Houston	12	0	0	Sumter	5	0	0
Charlton	0	0	0	Irwin	0	0	0	Talbot	1	0	0
Chatham	19	2	0	Jackson	2	0	1	Taliaferro	0	0	0
Chattahoochee	0	0	0	Jasper	0	0	0	Tattnall	2	0	0
Chattooga	3	0	0	Jeff Davis	1	0	0	Taylor	0	0	0
Cherokee	14	2	1	Jefferson	0	1	0	Telfair	0	0	0
Clarke	9	2	0	Jenkins	1	0	0	Terrell	0	0	0
Clay	0	0	0	Johnson	1	0	0	Thomas	3	0	0
Clayton	35	3	0	Jones	1	0	0	Tift	3	0	0
Clinch	0	0	0	Lamar	3	0	0	Toombs	4	0	0
Cobb	155	44	7	Lanier	0	0	0	Towns	0	1	0
Coffee	1	0	0	Laurens	5	1	0	Treutlen	0	0	0
Colquitt	1	0	0	Lee	2	0	0	Troup	6	0	0
Columbia	14	1	0	Liberty	0	0	0	Turner	0	0	0
Cook	1	0	0	Lincoln	3	0	0	Twiggs	1	0	0
Coweta	7	1	0	Long	0	0	0	Union	1	0	0
Crawford	0	0	0	Lowndes	13	1	0	Upson	5	0	0
Crisp	1	0	0	Lumpkin	2	1	0	Walker	5	1	0
Dade	0	0	0	Macon	0	0	0	Walton	1	0	0
Dawson	1	0	0	Madison	2	0	0	Ware	1	0	1
Decatur	1	0	0	Marion	0	0	0	Warren	1	0	0
DeKalb	138	66	10	McDuffie	2	0	0	Washington	2	0	0
Dodge	2	0	0	McIntosh	0	0	0	Wayne	2	0	0
Dooly	0	0	0	Meriwether	1	1	0	Webster	0	0	0
Dougherty	12	3	0	Miller	0	0	0	Wheeler	0	0	0
Douglas	7	2	2	Mitchell	1	0	0	White	2	0	0
Early	0	1	0	Monroe	1	0	0	Whitfield	16	2	1
Echols	0	0	0	Montgomery	1	0	0	Wilcox	1	0	0
Effingham	2	0	1	Morgan	1	0	0	Wilkes	0	1	0
Elbert	1	0	0	Murray	2	0	0	Wilkinson	0	0	0
Emanuel	1	0	0	Muscogee	16	2	0	Worth	1	0	0
								Total	**1,144**	**290**	**39**

Source: Office of the Registrar

DEGREES CONFERRED

Table 2.34 Degrees Conferred by State of Residence, Summer Quarter 1996 - Spring Quarter 1997

State	Bachelor's	Master's	PhD	State	Bachelor's	Master's	PhD
Alabama	36	24	5	Nevada	1	1	0
Alaska	1	3	0	New Hampshire	1	0	0
Arizona	1	6	0	New Jersey	22	11	4
Arkansas	2	0	0	New Mexico	1	5	1
California	9	24	5	New York	35	24	6
Colorado	4	3	0	North Carolina	36	23	4
Connecticut	12	3	1	North Dakota	0	0	0
Delaware	2	0	2	Ohio	13	10	6
District of Columbia	3	1	0	Oklahoma	1	1	2
Florida	125	43	10	Oregon	2	4	0
Georgia	1,144	290	39	Pennsylvania	19	12	5
Hawaii	2	1	0	Rhode Island	1	0	0
Idaho	0	0	0	South Carolina	54	16	3
Illinois	11	13	3	South Dakota	0	0	0
Indiana	7	5	1	Tennessee	32	15	3
Iowa	0	4	1	Texas	12	11	6
Kansas	0	2	3	Utah	1	0	0
Kentucky	8	7	2	Vermont	2	0	0
Louisiana	9	5	1	Virginia	33	21	4
Maine	1	3	0	Washington	0	9	0
Maryland	28	14	1	West Virginia	4	0	0
Massachusetts	19	8	1	Wisconsin	1	5	2
Michigan	7	11	3	Wyoming	0	0	0
Minnesota	3	2	2	Other U.S. Territories & Possessions			
Mississippi	6	2	2	Puerto Rico	14	14	0
Missouri	3	3	1	Virgin Islands	0	0	0
Montana	0	0	0				
Nebraska	1	1	0	**Total**	**1,729**	**660**	**129**

Source: Office of the Registrar

DEGREES CONFERRED

Table 2.35 Degrees Conferred by Country of Residence, Summer Quarter 1996 - Spring Quarter 1997

Country	Bachelor's	Master's	PhD	Country	Bachelor's	Master's	PhD
Americas Other Than	1	0	0	Israel	1	0	1
Argentina	0	1	3	Italy	0	2	1
Bangladesh	2	2	1	Jamaica	3	2	0
Belize	0	4	0	Japan	4	1	1
Bermuda	1	0	0	Jordan	0	0	1
Bolivia	0	1	0	Kiribati	1	0	0
Brazil	0	3	2	Republic of Korea	1	8	16
British Guina	0	3	0	Lebanon	2	5	1
British Virgin Islands	1	1	0	Liberia	0	1	0
Bulgaria	0	1	0	Malaysia	0	2	0
Cameroon	0	2	0	Mexico	0	1	0
Canada	1	1	2	Morocco	0	2	0
Chili	0	0	1	Nicaragua	0	1	0
China	2	32	17	Pakistan	3	6	5
Taiwan Republic of China	3	4	9	Panama	5	1	0
Colombia	2	12	0	People's Republic of Korea	1	0	0
Comoros	1	0	0	Philippines	0	0	1
Costa Rica	2	0	0	Portugal	0	1	0
Czechoslovakia	0	1	1	Romania	0	1	2
Dominican Republic	1	1	0	Russia	1	1	0
East Timor	3	6	1	Saudi Arabia	0	3	1
Ecuador	0	1	0	South Africa	2	1	1
Egypt	0	2	0	Sri Lanka	0	1	0
El Salvador	0	1	0	Suriname	1	0	0
Ethiopia	1	0	0	Sweden	0	1	0
Finland	0	1	0	Switzerland	0	3	0
France	1	35	2	Thailand	1	4	0
Federal Republic of Germany	0	12	3	Trinidad & Tobago	1	0	0
Ghana	1	0	1	Turkey	1	8	4
Greece	0	3	2	Ukrane	0	1	1
Grenada	0	1	0	United Arab Emirates	1	0	0
Guatemala	1	0	0	USSR	3	3	1
Hong Kong	2	2	0	Venezuela	0	3	0
Iceland	0	1	0	Vietnam	2	0	0
India	5	34	12	Yugoslavia	0	1	0
Ireland	0	1	0	Zimbabwe	0	1	0
Islamic Republic of Iran	0	1	1				
				Total	**65**	**235**	**95**

Source: Office of the Registrar

ROTC

Air Force ROTC

The Air Force ROTC program at Georgia Tech has one of the largest cadet corps in the country. It is organized as a wing with three groups, two squadrons and nine flights. The Georgia Tech unit supplies a leading input of Air Force engineers, with a large representation of both females and minorities. This unit provides the USAF newly commissioned officers for pilot, navigator, missile, and technical billets around the world. The 1997 fall enrollment of 142 students includes 83 Air Force scholarship recipients. This includes 34 females and 36 minority cadets. Four-Year Program: Students entering the four-year program enroll in AFROTC courses in the same manner as they register for other undergraduate courses. Students enrolled in the first two years, the General Military Course (GMC), incur no military obligation unless they are on an AFROTC scholarship. Those students desiring to become commissioned officers must compete for entry into the second two years, the Professional Officers Course (POC), which is normally taken during the last two years of college. Between the sophomore and junior years, cadets normally attend a four-week summer field training session conducted at an Air Force base. Students accepted for the POC become members of the Air Force Reserve and receive a tax-free subsistence allowance of $150 per month. The GMC covers the development of air power and the contemporary Air Force in the context of U.S. military organization. The POC covers Air Force management and leadership, and American defense policy. Two-Year Program: The two-year program and the last two years of the four-year program are identical in academic content. The basic requirement for entry into this program is that the student must have two academic years remaining in school. This may be at the undergraduate or graduate level or a combination of the two. In addition, candidates must successfully complete a six-week field training course at an Air Force base during the summer preceding their enrollment and be recommended to enter the POC upon their return to campus. AFROTC College Scholarship Program: AFROTC college scholarships are available on a competitive basis to qualified cadets in both programs described above and vary in length from two to four years. Scholarships cover tuition, matriculation, health services, student activity fees, and books. All scholarship cadets also receive a tax-free subsistence allowance of $150 per month. Eligibility: The Air Force ROTC program at Georgia Tech is open to all students attending a college in the Atlanta area that has a consortium agreement or cross-enrollment agreement with Georgia Tech. Eligible students from all schools are encouraged to apply for scholarships.

Army ROTC

The Georgia Tech Army ROTC program is one of the original ROTC units established by Congress in June 1916. More than 7,000 lieutenants have received their commission from the Georgia Tech Stinger Battalion, including two winners of the Congressional Medal of Honor. Alumni have served in every campaign from World War II, Korea, Vietnam, and more recently, Operations Desert Shield and Desert Storm.

Today approximately 30 students representing each of Tech's major schools and disciplines participate in a military science curriculum that integrates the classroom instruction with field training experiences. Cadets can volunteer for airborne, air assault, northern warfare, and mountain warfare schools during the summer. The "Stinger" Battalion comprises cadets from Morris Brown College, Morehouse College, Clark Atlanta University, Spelman College, Kennesaw State University, Southern Polytechnic State University, and Emory University in addition to Georgia Tech.

In addition to its regular four-year scholarship program, Army ROTC offers two- and three-year competitive scholarships. Students may apply for these scholarships without prior enrollment in the ROTC program. Two year members must attend summer Basic Camp if they have no prior military experience. ROTC scholarships pay tuition and academic-related fees plus $150 per month ($1500 per year) while the student is enrolled in Military Science classes. Approximately 50% of Tech's Army ROTC cadets today are under full tuition Army scholarships. Students enrolled in Army ROTC, both scholarship and nonscholarship, may participate in the cooperative degree program.

Army ROTC is available for both men and women. Entry can be made anytime prior to the junior year. The program of instruction consists of two phases: basic and advanced. The basic military course, which occurs during freshman and sophomore years, explores the contemporary Army in today's society and provides an introduction to the principles of management and leadership. The advanced curriculum focuses on situational leadership, ethics, and American defense policies.

Upon successful completion of ROTC, Tech graduates enter a wide range of officer specialties that maximize individual talents and academic backgrounds. Commissions as a second lieutenant are awarded in most branches of the Army, and these officers go on to serve either the regular (active) Army, the U.S. Army Reserve, or the U.S. Army National Guard.

Navy ROTC

The Navy ROTC Unit at Tech was established in 1926 as one of the six original Naval ROTC Units. The Tech Unit is one of the largest in the country; current enrollment is approximately 90. Nonscholarship Tech students may enroll in the NROTC College Program and compete for scholarships providing up to three years of scholarship benefits. In recent years, all freshmen with a grade point average of 3.0 or higher qualified.

The NROTC Unit places primary emphasis on academic performance. Midshipmen have a strong record of achievement in all aspects of campus life. That tradition carries over into commissioned service as Naval officers. Among many successful graduates who received commissions through the Georgia Tech NROTC Program are RADM Richard Truly, the former director of NASA; William L. Ball III, former secretary of the Navy; John Young, former astronaut; and more than 30 flag and general officers. In keeping with the mission of the NROTC program, Tech graduates are well prepared "...to assume the highest responsibilities of command, citizenship, and government." Traditionally, every graduate of the NROTC program receives a commission in the Navy or Marine Corps Reserve and immediately goes on active duty.

Table 2.36 ROTC Scholarships, Academic Year 1997-98

Service	Number of Students	Total Value
Air Force ROTC	83	$847,500
Army ROTC	58	512,600
Navy ROTC	86	587,787

Source: Office of the Commanding Officer; Army ROTC, Navy ROTC, Air Force ROTC

CAREER SERVICES

The Office of Career Services is located in the Bill Moore Student Success Center. The office serves the Georgia Tech community with a variety of services, including career counseling and planning, opportunities for full-time, summer/intern and part-time employment. One of the primary objectives of the office is to assist students in determining their career objectives and in attaining career and employment goals. The center conducts workshops and seminars on a variety of career related subjects–interviewing skills, resume preparation, networking, etc. A library that includes information on specific employers, governmental services, and employment-related publications is maintained at the Career Services Office. The library also contains local and national salary data, career planning, and graduate and professional school information. In addition, the office issues a resume disk and refers resumes for employer review.

Assistance is available to employers in the planning, implementation, and administration of programs that encourage effective corporate-campus relations at Georgia Tech.

Over 750 employers recruited in 1,100 on-campus visits with the Career Services Office during the 1996-1997 academic year. These employers represent a substantial number of the Fortune 500 corporations, as well as many state and regional organizations. Last year over 10,000 interviews were conducted by over 2,000 recruiters from these employers.

Table 2.37 Top Interviewing Companies, Fiscal Years 1995-97

Company	Company	Company
1994-95	1995-96	1996-97
Allied Signal	Andersen Consulting	Andersen Consulting
Andersen Consulting	General Electric Co.	General Electric Co.
General Electric Co.	Intel	IBM
International Paper	International Paper	Intel
Michelin Tire Company	Michelin Tire Company	Lucent Technologies
Milliken and Co.	Milliken and Co.	Milliken and Co.
Motorola, Inc.	Motorola, Inc.	Motorola, Inc.
Procter & Gamble	Procter & Gamble	Procter & Gamble
Schlumberger	Schlumberger	Schlumberger
Texas Instruments	Texas Instruments	Texas Instruments

Source: Office of the Director, Career Services

CAREER SERVICES

Table 2.38 Average Reported Starting Annual Salaries, Fiscal Years 1995-97

Degree	1994-95	1995-96	1996-97
Overall	$35,940	$40,207	$41,602
Bachelor's	$34,020	$36,627	$39,084
Master's	$38,100	$44,816	$45,235
Doctoral	$46,560	$54,746	$54,226

Table 2.39 Average Reported Starting Annual Salaries by College and Degree, Fiscal Year 1996-97

College	Overall	Bachelor's	Master's	Doctoral
Architecture	$33,747	$31,490	$36,944	$38,968
Computing	$45,000	$42,059	$45,938	$73,333
Engineering	$42,364	$40,152	$45,087	$55,722
Ivan Allen	$36,409	$32,635	$53,013	N/A
Sciences	$43,879	$41,100	$35,725	$48,525

Table 2.40 Reported Starting Annual Salaries by Major and Degree, Fiscal Year 1996-97

Major	Degree	No. Offers	High	Low	Average
Aerospace Engineering					
	Bachelor's	13	$47,000	$30,000	$37,915
	Doctoral	10	$60,000	$35,000	$48,156
Architecture					
	Bachelor's	6	$26,000	$17,280	$23,547
	Master's	4	$40,000	$30,000	$33,500
	Doctoral	4	$43,870	$30,000	$38,968
Biology					
	Bachelor's	2	$44,000	$43,000	$43,500
Building Construction					
	Bachelor's	14	$40,300	$28,500	$33,793
Chemical Engineering					
	Bachelor's	51	$54,000	$27,000	$43,284
Chemistry					
	Bachelor's	4	$42,000	$37,000	$40,000
	Master's	2	$40,000	$27,000	$33,500
	Doctoral	2	$70,000	$55,000	$62,500
City Planning					
	Master's	3	$40,000	$28,500	$32,834
Civil Engineering					
	Bachelor's	42	$44,500	$21,000	$33,507
	Master's	21	$52,000	$30,000	$38,846
	Doctoral	2	$61,000	$50,000	$55,500
Computer Engineering					
	Bachelor's	22	$84,000	$30,000	$43,375
Computer Science					
	Bachelor's	34	$72,500	$30,000	$42,059
	Master's	16	$65,000	$30,000	$45,938
	Doctoral	3	$85,000	$65,000	$73,333
Earth and Atmospheric Sciences					
	Bachelor's	2	$35,000	$34,000	$34,500
	Doctoral	3	$57,000	$40,000	$45,667
Economics					
	Bachelor's	4	$32,000	$30,000	$30,875
Electrical Engineering					
	Bachelor's	92	$77,000	$32,000	$41,720
	Master's	40	$58,000	$34,000	$47,856
	Doctoral	19	$78,000	$30,000	$59,689

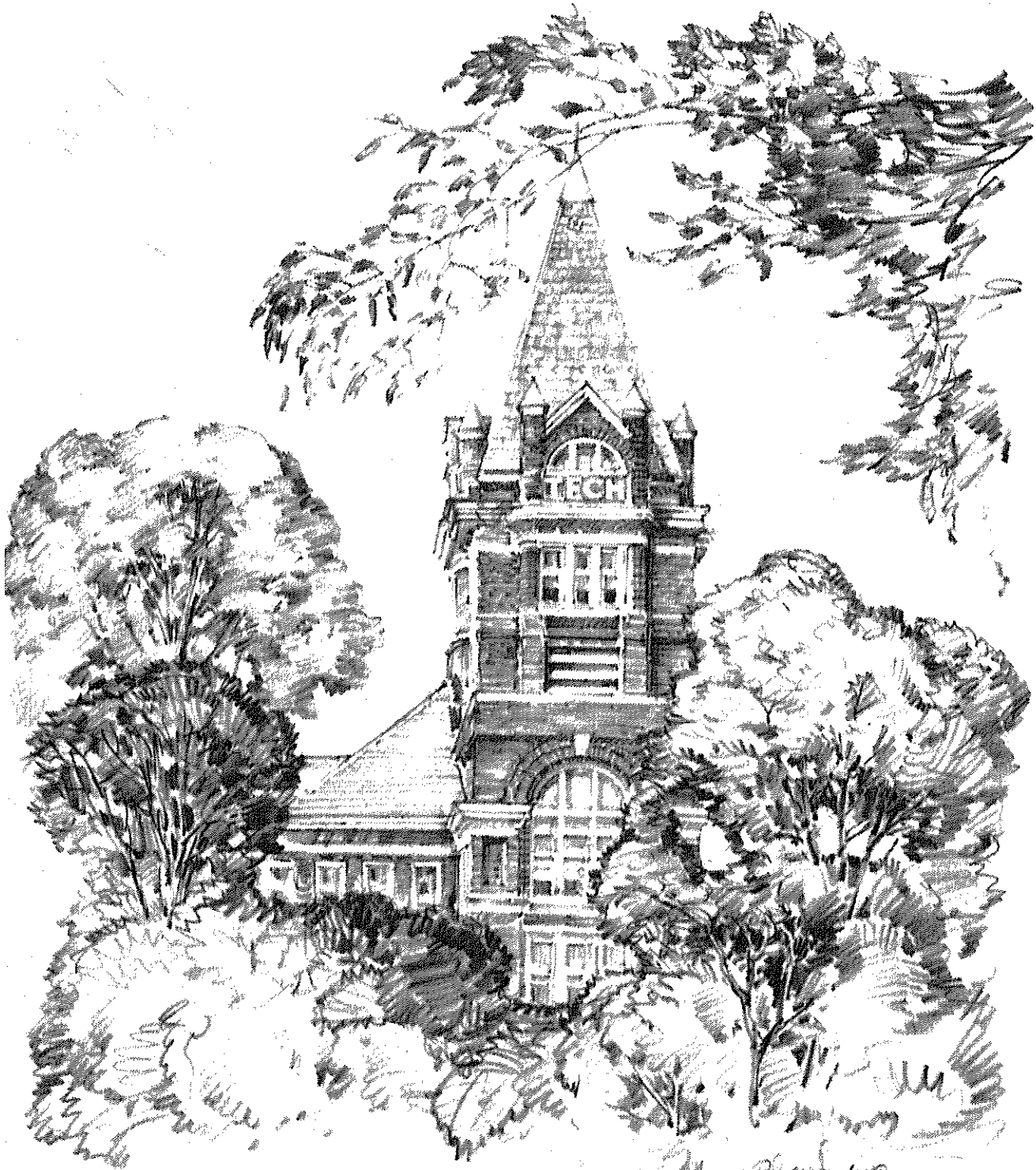
Source: Office of the Director, Career Services

CAREER SERVICES

Table 2.40 Reported Starting Annual Salaries by Major and Degree, Fiscal Year 1996-97 – *Continued*

Major	Degree	No. Offers	High	Low	Average
Health Physics					
	Master's	6	$60,000	$34,000	$48,667
History, Technology & Society					
	Bachelor's	2	$32,300	$27,000	$29,650
Industrial Design					
	Bachelor's	2	$45,400	$33,000	$39,200
	Master's	2	$50,000	$50,000	$50,000
Industrial and Systems Engineering					
	Bachelor's	122	$65,000	$24,000	$39,846
	Master's	14	$60,000	$34,800	$46,250
	Doctoral	4	$65,000	$60,000	$62,900
International Affairs					
	Bachelor's	6	$47,000	$20,000	$36,834
Management					
	Bachelor's	48	$52,000	$22,000	$32,357
	Master's	11	$75,000	$24,000	$55,564
Management Science					
	Bachelor's	6	$42,000	$28,000	$32,833
Materials Engineering					
	Bachelor's	3	$39,000	$35,000	$37,667
Mechanical Engineering					
	Bachelor's	85	$67,000	$28,000	$40,014
	Master's	13	$53,400	$34,000	$46,265
	Doctoral	8	$75,000	$43,000	$55,525
Nuclear Engineering					
	Bachelor's	2	$45,500	$43,000	$44,250
	Master's	2	$45,000	$36,000	$40,500
	Doctoral	3	$60,000	$40,000	$53,333
Physics					
	Bachelor's	2	$55,000	$40,000	$47,500
	Doctoral	3	$65,000	$29,500	$43,500
Polymer & Textile Chemistry					
	Doctoral	2	$66,000	$62,000	$64,000
Psychology					
	Doctoral	2	$60,000	$46,000	$53,000
Public Policy					
	Master's	3	$43,000	$37,000	$40,667
Statistics					
	Master's	2	$38,500	$37,400	$37,950
Textile Engineering					
	Bachelor's	8	$44,000	$30,000	$37,903
	Master's	3	$45,000	$33,000	$38,833

Source: Office of the Director, Career Services



Tech Tower
Georgia Institute of Technology Atlanta, Georgia

Faculty/Staff Profiles

Georgia Institute of Technology

QUICK FACTS

Faculty, As of June 1997

- Faculty Profile:

Full-time Teaching Faculty	672
General Administration	8
Academic Administrators	62
Librarians	4
On-leave	26
Part-time Faculty	6
Total	**778**

- Faculty Profile by Gender:

Male	673
Female	105
Total	**778**

- Faculty by Highest Degree:

Doctoral	721
Master's	54
Bachelor's/Other	3
Total	**778**

- Percent Tenured:

Architecture	58.1%
Computing	51.4%
Engineering	68.0%
Ivan Allen	54.5%
Sciences	66.4%
Institute Total	**63.1%**

Staff, As of October 1997

- Total Employee Profile:

Executive, Administrative, Managerial	473
Faculty/Academic	776
Research Faculty and Other Professionals	1,653
Clerical and Secretarial	404
Technical and Paraprofessional	199
Skilled Crafts	260
Service and Maintenance	364
Total	**4,129**

CHAIRS AND PROFESSORSHIPS

Table 3.1 Chair and Professorship Holders

Name of Chair or Professorship	Chair Holder	Department, School or College
College of Computing		
Advanced Telecommunications Chair	John O. Limb	College of Computing
Frederick G. Storey Chair in Computing	Unfilled	College of Computing
John P. Imlay Jr. Chair in Computing	Unfilled	College of Computing
Ivan Allen College of Management, Policy, and International Affairs		
Fuller E. Callaway Chair in the College of Management	Eugene E. Comiskey	Ivan Allen College
Hal and John Smith Chair of Small Business Entrepreneurship	Jeffrey G. Covin	Ivan Allen College
INVESCO Chair in International Finance	Eric Chang	Management
Melvin Kranzberg Chair in History of Science and Technology (Formerly Fuller E. Callaway Chair)	Philip Scranton	History, Technology, and Society
Ted Munchak Professorship	Unfilled	Management
Thomas R. Williams Chair in Business and Management (Formerly First National Bank Endowed Chair)	Cheol S. Eun	Ivan Allen College
College of Science		
Georgia Research Alliance Eminent Scholar in Atmospheric Sciences	Shaw C. Liu	Earth and Atmospheric Sciences
Georgia Research Alliance Eminent Scholar in Molecular Design	Unfilled	Chemistry and Biochemistry
Georgia Research Alliance Eminent Scholar in Sensors and Instrumentation	Jiri Janata	Chemistry and Biochemistry
Fuller E. Callaway Chair in Computational Materials Science	Uzi Landman	Physics
Julius Brown Chair in School of Chemistry and Biochemistry	Mostafa A. El-Sayed	Chemistry and Biochemistry
Smithgall Institute Chair	Unfilled	Biology
Vasser Woolley Chair in the School of Chemistry and Biochemistry	Leon Zalkow	Chemistry and Biochemistry
College of Engineering		
A. Russell Chandler II Chair for Distinguished Faculty in the School of Industrial and Systems Engineering	George L. Nemhauser	Industrial and Systems Engineering
Arbutus Distinguished Chair in Digital System Design	Unfilled	Electrical and Computer Engineering
B. Mifflin Hood Professorship in Ceramic Engineering	Joe K. Cochran	Materials Engineering
Byers Eminent Scholars in Microelectronics	Carl M. Verber	Electrical and Computer Engineering
Carter N. Paden Distinguished Chair	Unfilled	Mechanical Engineering
Coca-Cola Chair in Material Handling and Distribution in the School of Industrial and Systems Engineering	Ellis L. Johnson	Industrial and Systems Engineering
David S. Lewis Chair in Aerospace Engineering	Ben Zinn	Aerospace Engineering
Eugene C. Gwaltney, Jr. Chair in Manufacturing Systems	Unfilled	Industrial and Systems Engineering
Frank H. Neely Professorship in Nuclear Engineering and Health Physics	Peter H. Rogers	Mechanical Engineering
Fuller E. Callaway Chair in Nuclear Engineering and Health Physics	Weston M. Stacey, Jr.	Mechanical Engineering
George W. Woodruff Chair in Thermal Systems	Unfilled	Mechanical Engineering
George W. Woodruff Chair in Mechanical Systems	Jerry H. Ginsberg	Mechanical Engineering
Georgia Power Distinguished Professorship in Environmental Eng.	Armistead Russell	Civil and Environmental Engineering
Georgia Power Professorship in the School of Electrical and Computer Engineering	Roger P. Webb	Electrical and Computer Engineering
Georgia Power Professorship in the School of Mechanical Engineering	William Z. Black	Mechanical Engineering
Georgia Power Professorship in Nuclear Engineering	S.I. Abdel-Khalik	Mechanical Engineering
Georgia Power Professorship in the School of Electrical and Computer Engineering	Ajeet Rohatgi	Electrical and Computer Engineering
Hercules-Gossage Chair in Chemical Engineering	Unfilled	Chemical Engineering
J. Erskine Love, Jr. Institute Chair in Engineering	Charles Eckert	Chemical Engineering
John E. Pippin Chair in Electromagnetics	Unfilled	Electrical and Computer Engineering

Source: Office of the Vice Provost, Academic Affairs

CHAIRS AND PROFESSORSHIPS

Table 3.1 Chair and Professorship Holders - *Continued*

Name of Chair or Professorship	Chair Holder	Department, School or College
College of Engineering - *Continued*		
John H. Weitnaur, Jr. Technology Transfer Chair	John A. Copeland	Electrical and Computer Engineering
John O. McCarty/Audichron Professorship in the School of Electrical and Computer Engineering	Ronald W. Schafer	Electrical and Computer Engineering
Joseph M. Pettit Chair in Electrical and Computer Engineering	James D. Meindl	Electrical and Computer Engineering
Joseph M. Pettit Chair in Materials	Rao Tummala	Electrical and Computer Engineering
Julian T. Hightower Chairs in Engineering	Satya Atluri	College of Engineering
	Edward W. Kamen	Electrical and Computer Engineering
Julius Brown Chair in the School of Electrical and Computer Eng.	Thomas K. Gaylord	Electrical and Computer Engineering
Morris M. Bryan, Jr. Chair in Mechanical Engineering for Advanced Manufacturing Systems	Steven Danyluk	Mechanical Engineering
Parker H. Petit Chair for Engineering in Medicine	Robert M. Nerem	Mechanical Engineering
Schlumberger Professorship in Microelectronics	Philip E. Allen	Electrical and Computer Engineering
United Parcel Services Distinguished Professorship in Logistics	H. Donald Ratliff	Industrial and Systems Engineering
Water Quality Chair	Jean-Lou Chameau	Civil and Environmental Engineering
William W. LaRoche, Jr. Distinguished Chair in Chemical Engineering	Unfilled	Chemical Engineering

Source: Office of the Vice Provost, Academic Affairs

FACULTY DEGREES

Table 3.2 Institutions Awarding Highest Degrees, as of June 30, 1997

Number per Institution	Institution
52	Massachusetts Institute of Technology
49	Georgia Institute of Technology
38	University of Illinois, Urbana-Champaign
36	University of California, Berkeley
29	Stanford University
25	University of Michigan
23	Ohio State University
22	Cornell University
21	University of Pennsylvania
18	University of Texas, Austin; University of Wisconsin, Madison
15	Columbia University
14	Purdue University
13	Carnegie-Mellon University
12	University of North Carolina, Chapel Hill
11	University of Maryland; University of Florida
10	Northwestern University; University of California, Los Angeles
9	Brown University; California Institute of Technology; University of Washington
8	Florida State University; Harvard University; Johns Hopkins University; North Carolina State University; Princeton University; University of Colorado; University of Georgia
7	Emory University; Rice University; University of Rochester; University of Southern California
6	Tulane University
5	Georgia State University; Pennsylvania State University; University of Chicago; University of Massachusetts; University of Minnesota; University of Pittsburgh; University of South Carolina; University of Virginia; Yale University
4	Case Western Reserve University; New York University; Rutgers University; State University of New York, Buffalo; University of California, Davis; University of Delaware; University of Houston; University of Iowa; University of Kansas; University of London
3 and under	91 different institutions
Total*	**742 academic faculty**

* Note: Includes only Full-time Teaching Faculty, General Administrators, and Academic Administrators.

Source: Office of the Vice Provost, Academic Affairs

FACULTY PROFILE

Table 3.3 Full-time Teaching Faculty Distribution by College, as of June 1997

By Rank

College	Professor #	Professor %	Associate Professor #	Associate Professor %	Assistant Professor #	Assistant Professor %	Instructor #	Instructor %	Lecturer #	Lecturer %	Total #
Architecture	13	30.2	17	39.5	13	30.2	0	0.0	0	0.0	43
Computing	8	22.9	15	42.9	11	31.4	1	2.9	0	0.0	35
Engineering	122	40.3	114	37.6	66	21.8	0	0.0	1	0.3	303
Ivan Allen	42	27.3	45	29.2	50	32.5	17	11.0	0	0.0	154
Sciences	73	53.3	31	22.6	33	24.1	0	0.0	0	0.0	137
Total	**258**	**38.4**	**222**	**33.0**	**173**	**25.7**	**18**	**2.7**	**1**	**0.1**	**672**

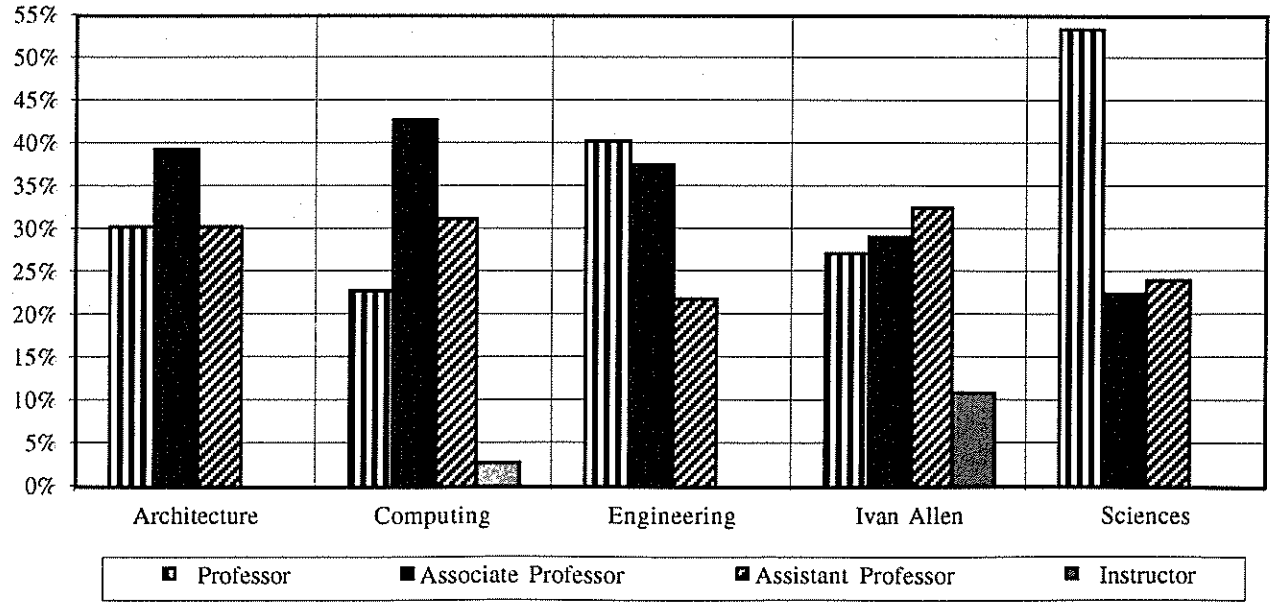
By Highest Degree

College	Doctoral #	Doctoral %	Master's #	Master's %	Bachelor's/Other #	Bachelor's/Other %	Total #
Architecture	20	46.5	21	48.8	2	4.7	43
Computing	33	94.3	2	5.7	0	0.0	35
Engineering	301	99.3	1	0.3	1	0.3	303
Ivan Allen	136	88.3	18	11.7	0	0.0	154
Sciences	136	99.3	1	0.7	0	0.0	137
Total	**626**	**93.2**	**43**	**6.4**	**3**	**0.4**	**672**

By Race and Sex

College	Black Male	White Male	Other Male	Black Female	White Female	Other Female	Total #
Architecture	0	34	1	1	7	0	43
Computing	0	21	11	0	3	0	35
Engineering	11	213	53	1	21	4	303
Ivan Allen	2	87	20	2	37	6	154
Sciences	2	111	11	0	12	1	137
Total	**15**	**466**	**96**	**4**	**80**	**11**	**672**

Fig. 3.1 Percentage Faculty Distribution by Rank
As of June 30, 1997



Note: Includes only those persons with academic rank; does not include academic administrators, or those on leave of absence.

Source: Office of the Vice Provost, Academic Affairs

FACULTY PROFILE

Table 3.4 Full-time Teaching Faculty Distribution by Gender, Percent Tenured and Doctorates, as of June 1997

Totals	Total		Professor		Associate Professor		Assistant Professor		Instructor		Lecturer		%	%
College	M	F	M	F	M	F	M	F	M	F	M	F	Ten.	PhD
Architecture	**35**	**8**	**11**	**2**	**14**	**3**	**10**	**3**	**0**	**0**	**0**	**0**	**58.1**	**46.5**
Computing	**32**	**3**	**8**	**0**	**15**	**0**	**8**	**3**	**1**	**0**	**0**	**0**	**51.4**	**94.3**
Engineering	**277**	**26**	**120**	**2**	**106**	**8**	**50**	**16**	**0**	**0**	**1**	**0**	**68.0**	**99.3**
Aerospace Engineering	25	0	11	0	8	0	5	0	0	0	1	0	64.0	96.0
Chemical Engineering	28	2	17	0	7	1	4	1	0	0	0	0	80.0	100.0
Civil & Environmental Eng.	37	6	13	0	13	0	11	6	0	0	0	0	48.8	100.0
Electrical & Computer Eng.	70	5	35	0	25	3	10	2	0	0	0	0	80.0	100.0
Industrial & Systems Eng.	38	6	12	1	21	2	5	3	0	0	0	0	75.0	97.7
Materials Science & Eng.	14	3	7	1	6	1	1	1	0	0	0	0	41.2	100.0
Mechanical Engineering	53	3	21	0	20	1	12	2	0	0	0	0	67.9	100.0
Textile & Fiber Engineering	12	1	4	0	6	0	2	1	0	0	0	0	53.8	100.0
Ivan Allen	**109**	**45**	**35**	**7**	**32**	**13**	**36**	**14**	**6**	**11**	**0**	**0**	**54.5**	**88.3**
Economics	8	1	3	0	4	0	1	1	0	0	0	0	66.7	100.0
Management	38	7	13	2	12	3	13	2	0	0	0	0	62.2	100.0
Public Policy	11	3	3	1	3	1	5	1	0	0	0	0	64.3	92.9
History, Technology, & Soc.	10	5	4	1	4	0	2	4	0	0	0	0	53.3	100.0
International Affairs	13	1	6	0	1	0	6	1	0	0	0	0	50.0	100.0
Literature, Comm., & Culture	22	21	5	1	6	5	6	4	5	11	0	0	39.5	65.1
Modern Languages	7	7	1	2	2	4	3	1	1	0	0	0	64.3	85.7
Sciences	**124**	**13**	**73**	**0**	**26**	**5**	**25**	**8**	**0**	**0**	**0**	**0**	**66.4**	**99.3**
Biology	11	2	4	0	5	1	2	1	0	0	0	0	69.2	100.0
Chemistry & Biochemistry	25	0	16	0	2	0	7	0	0	0	0	0	40.0	100.0
Earth & Atmospheric Science	13	4	9	0	2	0	2	4	0	0	0	0	58.8	100.0
Mathematics	35	2	20	0	5	0	10	2	0	0	0	0	64.9	100.0
Physics	25	1	16	0	7	1	2	0	0	0	0	0	84.6	100.0
Psychology	12	3	6	0	4	2	2	1	0	0	0	0	80.0	100.0
Health & Performance Sci.	3	1	2	0	1	1	0	0	0	0	0	0	100.0	75.0
Institute Total	**577**	**95**	**247**	**11**	**193**	**29**	**129**	**44**	**7**	**11**	**1**	**0**	**63.1**	**93.2**
Percentage of Total	**85.9**	**14.1**	**36.8**	**1.6**	**28.7**	**4.3**	**19.2**	**6.5**	**1.0**	**1.6**	**0.1**	**0.0**		

Note: Includes only those persons with academic rank; does not include academic administrators, or those on leave of absence.

Source: Office of the Vice Provost, Academic Affairs

FACULTY PROFILE

Table 3.5 Academic Faculty Distribution by Position Classification, as of June 1997

	By Rank					
	Professor	Associate Professor	Assistant Professor	Instructor	Lecturer	Total
Full-time Teaching Faculty	258	222	173	18	1	672
General Administrators	7	1	0	0	0	8
Academic Administrators	52	10	0	0	0	62
Librarians	1	1	2	0	0	4
On-leave	9	13	4	0	0	26
Part-time Faculty*	2	1	3	0	0	6
Total	**329**	**248**	**182**	**18**	**1**	**778**

	By Highest Degree			
	Doctoral	Master's	Bachelor's/Other	Total
Full-time Teaching Faculty	626	43	3	672
General Administrators	7	1	0	8
Academic Administrators	60	2	0	62
Librarians	0	4	0	4
On-leave	25	1	0	26
Part-time Faculty*	3	3	0	6
Total	**721**	**54**	**3**	**778**

	By Race and Sex						
	Black Male	White Male	Other Male	Black Female	White Female	Other Female	Total
Full-time Teaching Faculty	15	466	96	4	80	11	672
General Administrators	0	8	0	0	0	0	8
Academic Administrators	0	53	4	0	5	0	62
Librarians	0	1	0	1	2	0	4
On-leave	1	12	11	0	2	0	26
Part-time Faculty*	0	6	0	0	0	0	6
Total	**16**	**546**	**111**	**5**	**89**	**11**	**778**

* Includes only those part-time faculty (less than .75 EFT) who are on contract; does not include part-time faculty who are hired on a per course, per quarter basis as needed.

Source: Office of the Vice Provost, Academic Affairs

STAFF PROFILE

Table 3.6 Total Employee Profile by EEO Category, October 1997

EEO Code	Category	White		Black		Other*		Total	
		M	F	M	F	M	F	M	F
1	Executive, Administrative, Managerial	242	163	27	29	6	6	275	198
2	Instructional Faculty and Librarians	524	108	19	7	107	11	650	126
3	Research Faculty and Other Professionals	891	451	63	184	45	19	999	654
4	Clerical and Secretarial	25	162	24	184	1	8	50	354
5	Technical and Paraprofessional	108	28	41	21	1	0	150	49
6	Skilled Crafts	127	22	80	26	3	2	210	50
7	Service and Maintenance	41	11	192	116	2	2	235	129
	Total	**1,958**	**945**	**446**	**567**	**165**	**48**	**2,569**	**1,560**

EEO = Equal Employment Opportunity

*Includes Hispanic, Asian, and Native Americans.

Source: Office of Human Resources

STAFF PROFILE

Fig. 3.2 Employee Profile by EEO Category
October 1997

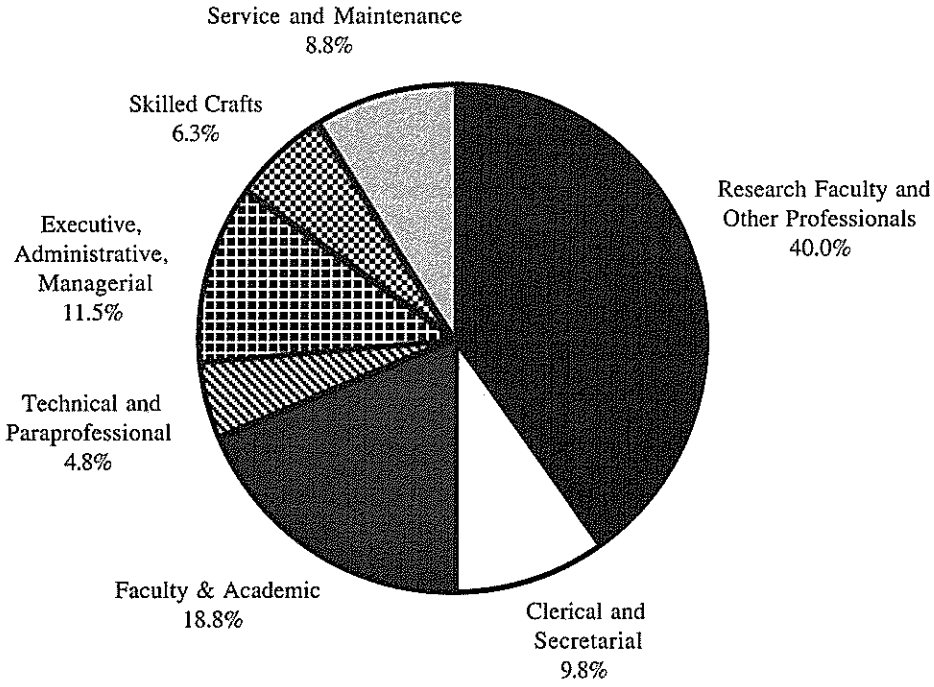
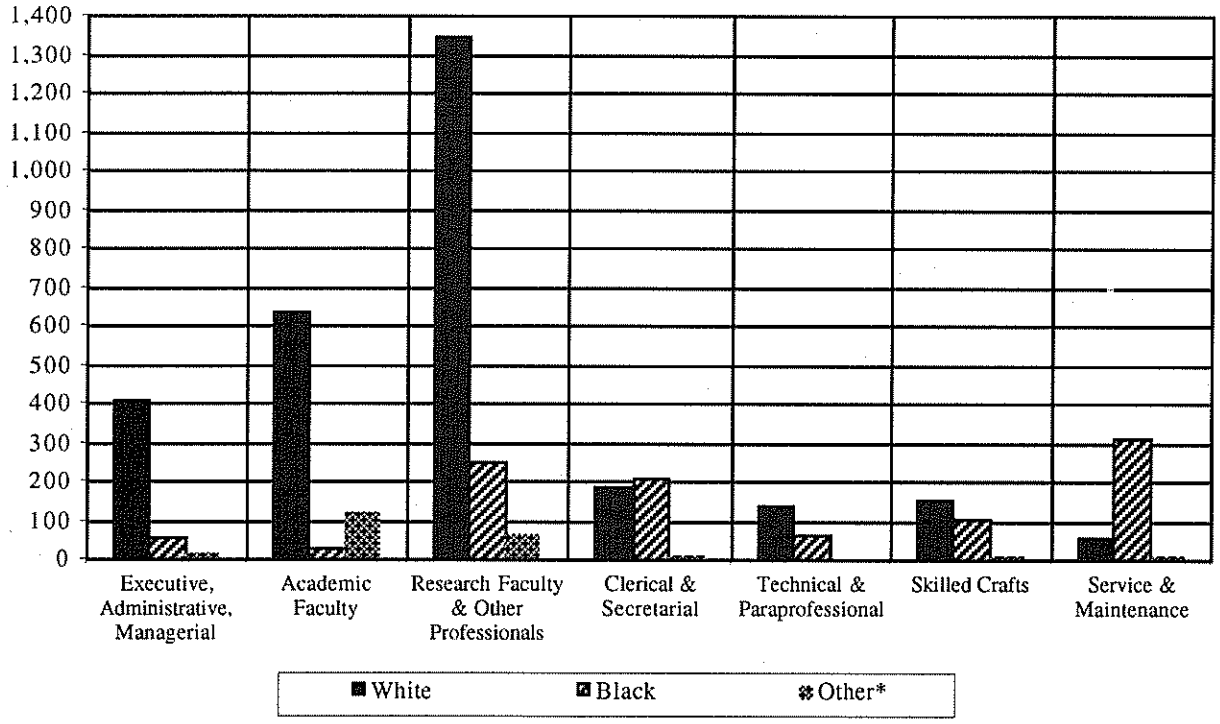


Fig. 3.3 Employee Profile by EEO Category and Ethnicity
October 1997

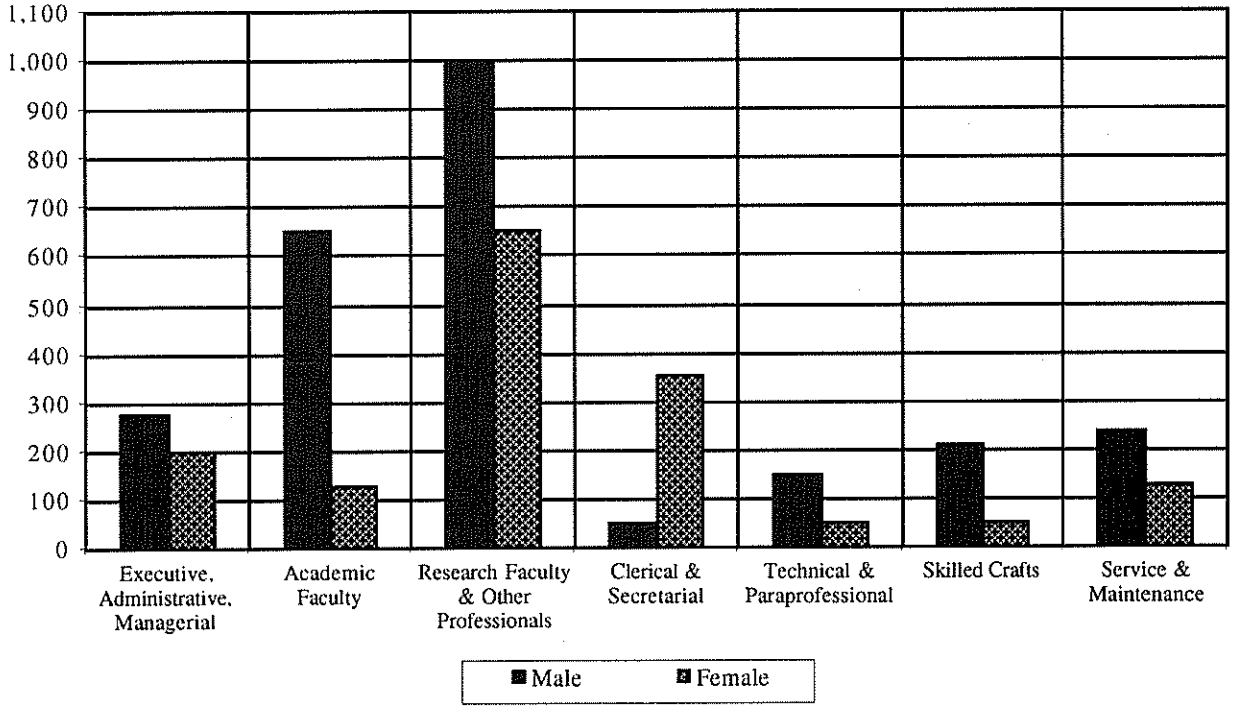


*Includes Hispanic, Asian, and Native Americans.

Source: Office of Human Resources

STAFF PROFILE

Fig. 3.4 Employee Profile by EEO Category and Gender
October 1997



Source: Office of Human Resources

Tech Tower
Georgia Institute of Technology
Atlanta, Georgia

General Information

Georgia Institute of Technology

QUICK FACTS

Students

- Matriculation and Nonresident Tuition Fees, Fall Quarter 1997:

Matriculation Fee		Nonresident Tuition Fee		Total Nonresident Fee	
Undergraduate	$747.00	Undergraduate	$2,240.00	Undergraduate	$2,987.00
Graduate	$824.00	Graduate	$2,472.00	Graduate	$3,296.00
MSM Program	$865.00	MSM Program	$2,595.00	MSM Program	$3,460.00

- Estimated Academic Year Cost (Fall, Winter, and Spring Quarters):

Matriculation (Full-time Resident Undergraduate Student)	$2,241.00
Other Mandatory Fees	
Student Activities	144.00
Student Athletic	99.00
Student Health	201.00
Transportation	66.00
Technology	150.00
Estimated Elective Charges:	
Dormitory Room Rent	2,463.00
Board	2,100.00
Miscellaneous (books, supplies, personal)	2,400.00
Total	**$9,864.00**

Space

- Square Footage by Functional Area, Fall 1997:

Academic Instruction and Research	2,431,231
Academic Support	431,157
Athlectic Association	319,742
Campus Support	323,269
GT Research Institute	776,302
Other	250,300
Parking Decks	397,155
Residential	1,937,128
Student Support	560,493
Institute Total	**7,426,777**

- Georgia Tech has 170 buildings
- Total Student Housing capacity is 7,780

Library

- The Georgia Tech Library Collections for 1997 include:

Catalogued Items	3,433,912
Government Documents	667,755
Technical Reports	2,557,247
Maps	182,489
Patents	5,409,606

Other

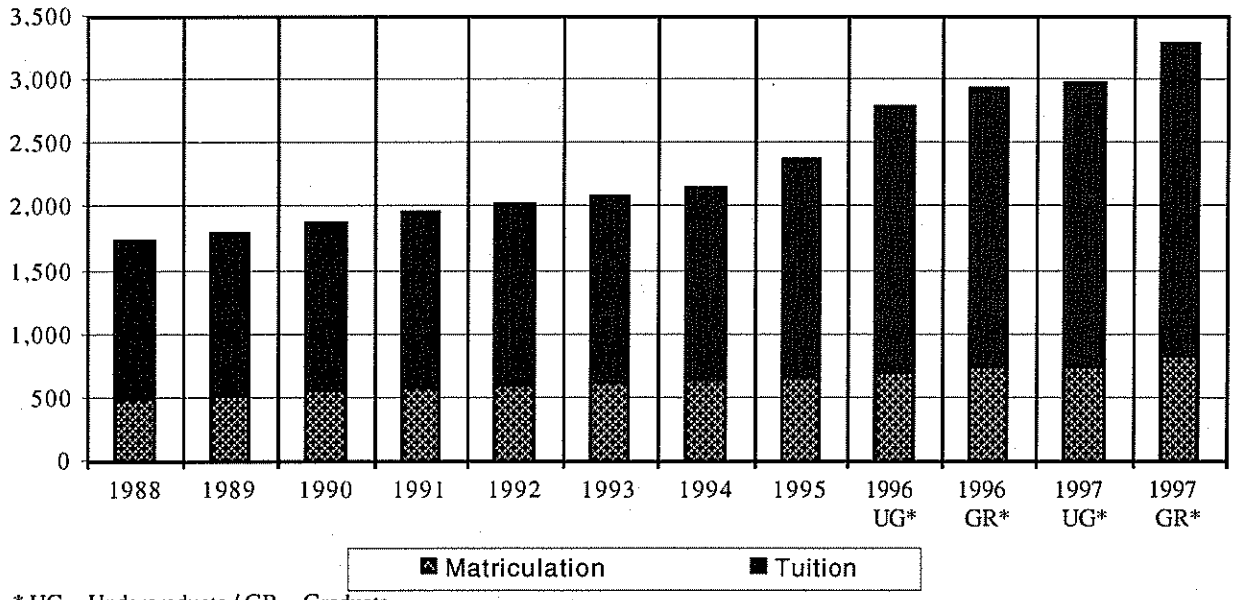
- Over 600 Continuing Education programs were conducted with more than 14,000 participants
- There are 32 fraternities and eight sororities existing on campus
- Georgia Tech's athletic tradition began in 1892 with the first football team
- Georgia Tech's athletes have won four national football championships, played in 23 bowl games, and received 45 All-American citations
- Georgia Tech has nine men's athletic teams with 325 participants and seven women's athletic teams with 103 participants
- The Georgia Tech Foundation was chartered in 1932. The Endowment of the Georgia Tech Foundation has a current market value in excess of $465 million
- The Georgia Tech Alumni Association was chartered in June 1908
- The Advanced Technology Development Center (ATDC) was created in 1980

TUITION AND FEES

Table 4.1 Matriculation and Nonresident Tuition Fees, Fall Quarters 1988-97

Fall Quarter	Fiscal Year	Matriculation Fee (Resident and Nonresident)	Nonresident Tuition Fee	Total Nonresident Fee (Matriculation and Tuition)
1988	1989	506	1,234	1,740
1989	1990	528	1,283	1,811
1990	1991	552	1,334	1,886
1991	1992	574	1,387	1,961
1992	1993	597	1,442	2,039
1993	1994	615	1,485	2,100
1994	1995	633	1,530	2,163
1995	1996	665	1,727	2,392
1996 - Undergraduate	1997	705	2,087	2,792
1996 - Graduate	1997	740	2,191	2,931
1997 - Undergraduate	1998	747	2,240	2,987
1997 - Graduate	1998	824	2,472	3,296

Fig. 4.1 Matriculation and Nonresident Tuition Fees Fall Quarters 1988 through 1997



* UG = Undergraduate / GR = Graduate

Table 4.2 Estimated Academic Year Cost (Fall, Winter and Spring Quarters) for Resident Undergraduate Student, 1993-94 to 1997-98

	1993-94	1994-95	1995-96	1996-97	1997-98
Matriculation (Full-time Student)	$1,845	$1,899	$1,995	$2,115	$2,241
Other Mandatory Fees:					
Student Activity	114	123	123	144	144
Student Athletic	99	99	99	99	99
Student Health	165	165	180	189	201
Transportation	54	57	60	63	66
Technology	—	—	—	75	150
Estimated Elective Charges:					
Dormitory Room Rent	1,974	2,169	2,196	2,460	2,463
Board	2,430	2,700	2,700	2,100	2,100
Miscellaneous (books, supplies, personal)	1,959	2,064	2,400	2,400	2,400
Total Estimated Cost	**$8,640**	**$9,276**	**$9,753**	**$9,645**	**$9,864**

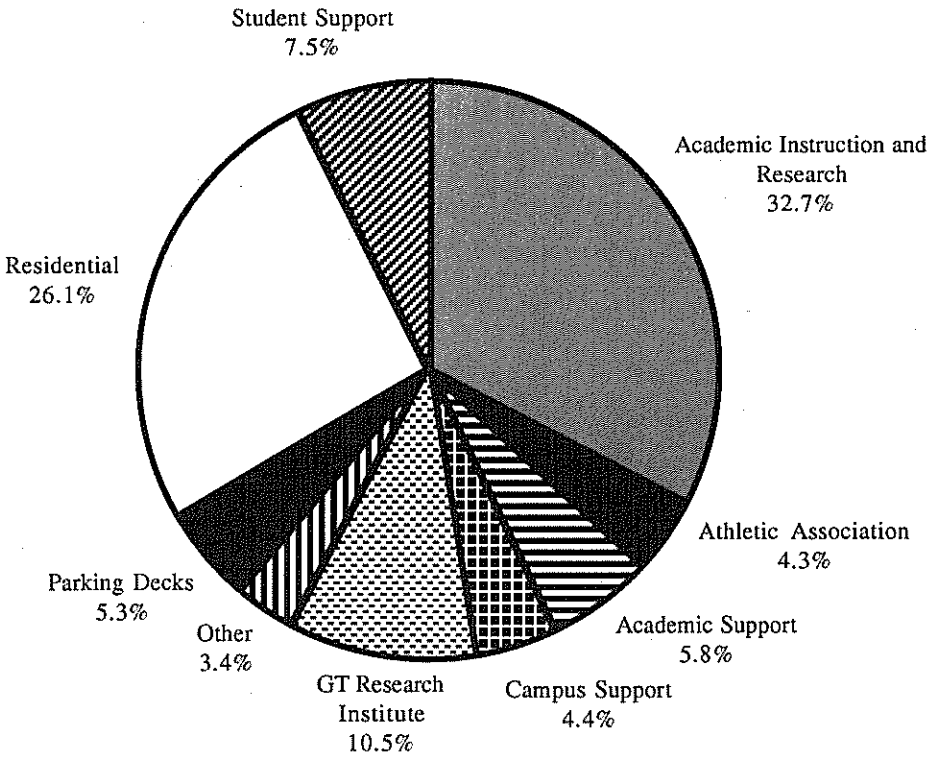
Source: Office of the Associate Vice President, Budget and Planning

FACILITIES

Table 4.3 Institute Buildings by Use, Fall Quarter 1997

Principal Use of Buildings	Number of Buildings	Gross Area Square Feet
Academic Instruction and Research	44	2,431,231
Academic Support	14	431,157
Athlectic Association	11	319,742
Campus Support	27	323,269
GT Research Institute	16	776,302
Other	4	250,300
Parking Decks	4	397,155
Residential	35	1,937,128
Student Support	15	560,493
Institute Total	170	7,426,777

Fig. 4.2 Square Footage by Building Use Fall Quarter 1997



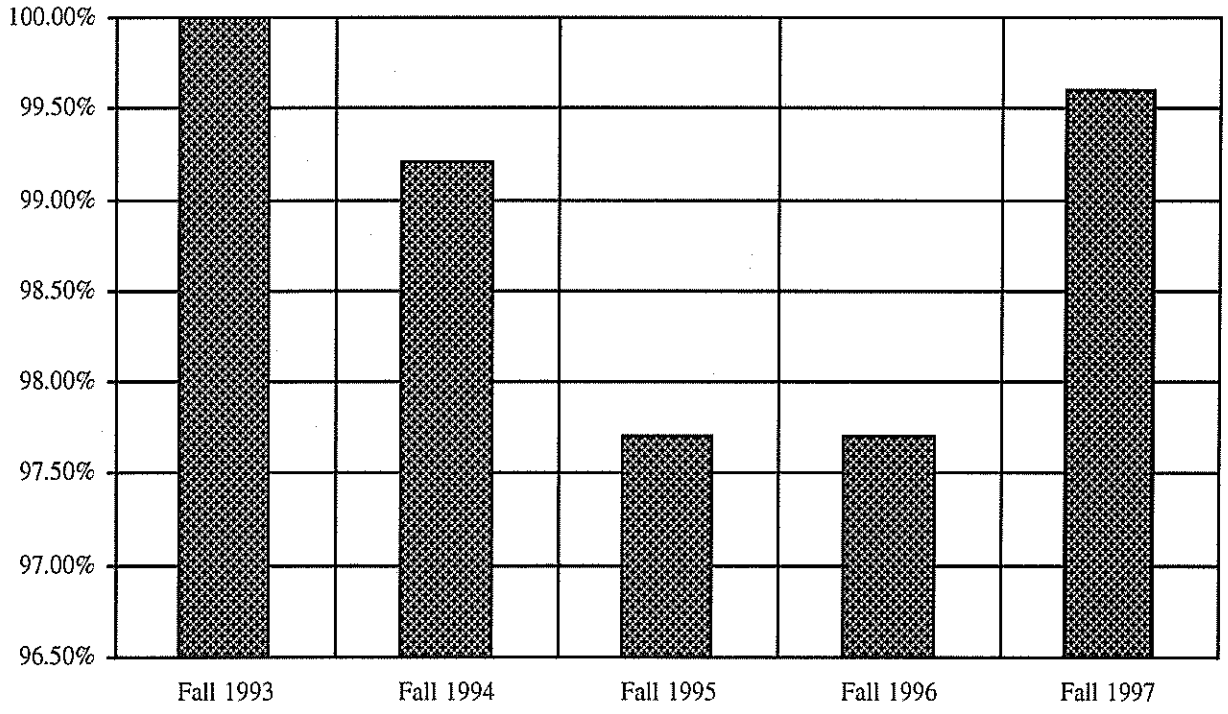
Source: Office of Capital and Space Planning

HOUSING

Table 4.4 Capacity and Occupancy, Fall Quarters 1993-97

	1993		1994		1995		1996		1997	
	M	F	M	F	M	F	M	F	M	F
Single Student Housing										
Capacity	3,106	1,353	3,244	1,165	4,043	1,644	4,419	1,827	4,410	1,844
Occupancy	3,106	1,353	3,244	1,122	4,023	1,636	4,305	1,779	4,410	1,812
Fraternity Housing										
Capacity	978	N/A	908	N/A	946	N/A	1,056	N/A	1,056	N/A
Occupancy	978	N/A	908	N/A	946	N/A	1,056	N/A	1,056	N/A
Sorority Housing										
Capacity	N/A	102	N/A	102	N/A	117	N/A	170	N/A	170
Occupancy	N/A	102	N/A	102	N/A	117	N/A	170	N/A	170
Total Single Student Housing										
Capacity	4,084	1,455	4,152	1,267	4,989	1,761	5,475	1,997	5,466	2,014
Occupancy	4,084	1,455	4,152	1,224	4,969	1,753	5,361	1,949	5,466	1,982
Married Student Housing										
Capacity	300		200		300		300		300	
Occupancy	300		200		164		280		300	
Total Institute Student Housing										
Capacity	5,839		5,619		7,050		7,772		7,780	
Occupancy	5,839		5,576		6,886		7,590		7,748	
Percentage Occupancy	100.0%		99.2%		97.7%		97.7%		99.6%	

Fig. 4.3 Student Housing Occupancy
Fall Quarters 1993-1997



Source: Student Housing Office

LIBRARY

The Library and Information Center houses collections of scientific and technical information. It includes over 3.4 million volumes, and 2.5 million technical reports, 600,000 government documents, and 182,489 maps. It is an official depository of the U.S. Government Printing Office and the U.S. Patent and Trademark Office. The Library's goals include increasing the amount and quality of information available on campus, increasing productivity, and creation of a rich learning environment for students.

The catalog record of the Library's collections is part of the Georgia Tech Electronic Library (GTEL®) and is used by faculty, staff, and students through the campus network. GTEL® also contains abstracts and indexes to contents of journals and conference proceedings in general areas, as well as engineering, science, computing, business, and management. GTEL® is complemented by a campus-wide delivery service of library materials to faculty and staff.

The Library has access to over 500 databases of citations, abstracts, full text, and numeric data through Galileo which is funded by the state. The Library's corporate and research services department offers fee-based services to teaching and research faculty on campus and to individuals and businesses outside Georgia Tech. These services include research services, database searching, and reports on specific subjects tailored to meet client needs.

The Institute's membership in the University Center in Georgia allows access to and delivery of materials from 13 other libraries in the area. Georgia Tech, Emory, the University of Georgia, and Georgia State University participate in a reciprocal borrowing program to enhance access to information resources for the students and faculty of both schools. Tech students and faculty also may use the libraries of all other institutions in the University System.

The Library is a member of the Association of Research Libraries, Online Computer Library Center (OCLC), Solinet, Georgia Library Information Network, International Association of Technological University Libraries and the International Federation for Information and Documentation.

According to the Institute's Financial Reports, the Library has received the following funding for the fiscal years 1988 through 1997 :

Table 4.5 Library Expenditures, Fiscal Years 1988-97

Fiscal Year	Expenditures	Percentage of Educational and General Expenditures
1988	4,473,279	3.0%
1989	4,633,788	3.0%
1990	4,970,854	2.9%
1991	5,405,684	3.0%
1992	5,741,942	3.0%
1993	5,294,917	1.7%
1994	6,453,777	1.8%
1995	7,671,381	1.9%
1996	8,361,852	1.9%
1997	8,729,659	2.0%

Table 4.6 Library Collections, Fiscal Years 1996 and 1997

	1995-96	1996-97	Number Change	Percent Change
Catalogued Items	3,271,559	3,433,912	162,353	+5.0%
Government Documents	656,226	667,755	11,529	+1.8%
Technical Reports	2,511,623	2,557,247	45,624	+1.8%
Maps	179,840	182,489	2,649	+1.5%
Patents	5,334,397	5,409,606	75,209	+1.4%

Note: This year and in the next few years we will see a reduction in the size of our government documents and other collections as more and more government information goes on-line.

Source: Office of the Dean and Director, Libraries

AUXILIARY SERVICES

The Division of Auxiliary Services strives to enhance the quality of student life by delivering a variety of essential good and services with an emphasis on creativity, innovation, and customer service. Services provided include:

Student Housing: Georgia Tech has a residential campus community consisting of 29 residence halls, 6,285 beds, and 300 married student apartments. The residence hall beds range from double occupancy rooms with community baths to single bedrooms in apartments with shared kitchens and bathrooms. Supported by a staff of full time professionals and students are the Freshman Experience (designed to help the incoming freshman get the most from the educational experience at Georgia Tech), and the Residential Scholars Program (created for Sophomores to gain experiences and skills to enhance their success as alumni of Georgia Tech) and many more programs supporting student academic and personal growth. The Residence Hall Association (RHA) provides residents with representation and leadership on campus and promotes numerous social, academic, and recreational activities. From award winning facility designs, to programmatic support, the Department of Housing has created an exciting multicultural, academic living environment that will enhance the Georgia Tech experience. Student Housing can be reached at (404)894-2470.

The **Student Health Center** is a modern, two-story ambulatory care center with facilities for out-patient medical treatment and health education for eligible students and spouses. The staff consists of six full-time physicians, women's health nurse practitioner, registered nurses, pharmacists, health educators and laboratory and x-ray technologists. A psychiatrist is available at the Student Counseling Center, located in the Student Services Building. Specialty clinics are held on-site in travel medicine, sports medicine, and for a small fee-for-service, orthopedics, gynecology, nutrition and dermatology. The student health fee covers regular on-campus services during school terms with certain pharmaceutical, lab and x-ray charges. A supplemental insurance plan, which covers consultations, diagnostic testing and hospitalization for injuries or illnesses is available to all students. The Student Health Center can be reached at (404)894-2584.

Dining Services at Georgia Tech is committed to customer satisfaction and high-quality, innovative meal selections. The dining program is carefully designed to provide variety and flexibility on a budget that is right for students. Meal plans and retail operations provide choices that suit the students' schedules, as well as their lifestyles. Several meal plan options are available on a quarterly basis. In addition, Dining Services operates a convenience store, a Diner, a Coffee House and a Food Court, which houses many national brands. Dining Services can be reached at (404)894-2383.

The **Student Center** contains facilities, services and programs to provide a complete range of social, artistic, cultural and recreational programs for the Tech community. The Student Center employs 36 full-time employees as well as over 150 part-time student assistants. The 100,000 square foot facility is located in the center of campus and offers eleven meeting rooms ranging in capacity from 25 to 700, a full-service post office, automatic teller machines, crafts center, recreation area, music listening room, box office, computer cluster and food services. The Student Center is host to over 6,000 functions annually. The Student Center can be reached at (404)894-2805 (Programs) or (404)894-2788 (Administrative Offices).

The **Georgia Tech Bookstore** is an institutionally owned and operated service facility dedicated to fulfilling the educational needs of students, faculty, and staff. Located adjacent to the Student Center, the Bookstore supplies textbooks, school supplies, general books, computers, and software, as well as official Institute clothing and gift items. Other shops and services in the Houston Bookstore Mall include an American Express Travel Agency, Hair Cuttery, cyber.cafe@gatech, Georgia P. Burdell's General Store, and the Buzz Card Center. The Bookstore can be reached at (404)894-2515.

The **Robert Ferst Center for the Arts** plays host to over 300 events each year, ranging from student organized functions to an annual performing arts series which brings world-class performers to the Tech campus. The Richards and the Westbrook galleries, located in the theatre foyer, host visual art exhibitions highlighting technology and the arts. This 1,200 seat performing and visual arts facility serves as much needed space for campus groups and local area arts organizations to present their events. The Robert Ferst Center for the Arts can be reached at (404)894-2787.

Parking and Transportation operates over 8,600 parking spaces on campus in five parking decks and numerous surface lots. All students parking on campus must register their vehicles with the Parking Office. Incoming Freshman are restricted from parking for the fall quarter. The Stinger Bus and Stingerette Escort Service provide transportation go all areas of campus. Stinger Bus routes and times are available in the lobbies of the Parking Office and Campus Police Station. Stingerette service is available on weekends and in the evenings from 6:00 p.m. to 4:00 a.m. by calling (404)894-9649. Parking and Transportation may be reached at (404)894-4611.

The **Buzz Card Center** is the All-Campus Card office located in the Houston Bookstore Mall between the Hair Cuttery and the American Express Travel Agency. The Card Center is responsible for administering and supporting the All-Campus Card System, Buzz Card production, and meal plan administration. The Buzz Card is the Georgia Tech identification card that can provide access to a variety of campus-wide services and systems. The Buzz Card can also be your personal on-campus debit card with the establishment of a Buzz Card account. The Buzz Card account allows you to draw upon pre-deposited funds for the purchase of products and services throughout campus. The Card Center offers extended hours of service from Monday through Thursday, 8:00 a.m. to 5:00 p.m. and Friday, 8:00 a.m. to 5:00 p.m. The Buzz Card Center can be reached at (404)894-BUZZ (2899)

Source: Division of Auxiliary Services

STUDENT AFFAIRS

The mission of the Division of Student Affairs at Georgia Tech is to support and enhance the educational mission of Georgia Tech and assist students in reaching their goals. Division staff will work in a collaborative relationship with the faculty, staff, and students to provide a comprehensive learning environment that fosters the intellectual, psychological, physical, social, ethical, and career development of students.

Student Athletic Complex: Recreation is available at the Fuller E. Callaway III, Student Athletic Complex (SAC). Facilities include: an Aquatic Center with a 50-meter competition swimming pool, and 25-meter diving pool, a 50-meter swimming pool, six multipurpose courts for basketball, volleyball, and badminton, eight indoor racquetball/handball courts; two squash courts, cardiotheater, aerobic/fitness area, lighted artificial turf fields, and complete weight room for strength training. The building also houses Campus Recreation, and the Department of Health and Performance Sciences.

The Counseling Center staff helps students with personal problems, academic concerns, relationship issues, as well as questions and issues concerning choosing a major or career. Psychologists and professional counselors are available for individual sessions, couples counseling and consultation about personal concerns. Specialized psychoeducational and academic/study skills workshops, a computer-assisted study skills program, a computer-based career guidance program, a counseling resource center library and a testing program for determining interests, aptitudes, and personality traits are among services provided in the Center.

Office of the Dean of Students provides advocacy and support for students. This office assists students in resolution of problems, provides information and referral about campus resources and promotes initiatives which address student needs and interests. Student discipline and the Academic Honor Code are coordinated through this office.

Office of Diversity Issues and Programs is committed to assisting in the University's mission to prepare students to live and work in a global community. Educating our campus about differences and similarities regarding race/ethnicity, country of national origin, gender, sexual orientation, religion, and socio-economic class expand learning opportunities and enhance skills students will need after graduation. The Office coordinates and formulates programs, practices and policies pertinent to cultural inclusion and cultural diversity through training, programming, and consulting. The Office also advises the Diversity Forum.

Fraternities and Sororities at Georgia Tech involve over 25% of the undergraduate students in leadership development, philanthropic, athletic, educational, and social activities. There are 32 national fraternities and 8 national sororities, including 5 traditionally African-American organizations. Thirty-five of the 40 organizations maintain housing facilities, many of which have been recently renovated or constructed during the Olympic preparations. These houses provide living, dining, meeting, and social facilities, as well as soon to be completed Ethernet connectivity to the campus system.

Student Organizations abound at Georgia Tech. Opportunities are provided for student participation in a variety of officially recognized groups. The Student Government Association provides 13 committees for student involvement. Besides the traditional student newspaper, yearbook, and radio station, there are approximately 28 sports/recreation organizations, 34 special interest groups, 21 religious organizations, 54 departmental, professional, and honor societies, 14 social service organizations, 14 cultural organizations, and 11 national honor societies. Over 6,000 students are involved in one or more student organizations.

Services for Students with Disabilities (ADAPTS) is an integral component for supporting the success of students within the Georgia Tech disabled community. Our purpose is to improve the educational development of students with disabilities and to enhance understanding and support within the Institute. By being responsive to individual needs, we assure that qualified students with disabilities have equal access to all institutional programs and services. Over 140 students with disabilities are being accommodated. Accommodations and services provided include registration, academic adjustments, test proctoring, enlarged print or Braille, textbooks on tape, tutors, interpreting, notetaking, removal of structural barriers, accessible parking, campus transportation, housing needs, communication with faculty about disability needs, and coordinating actions, policies, and procedures that affect students with disabilities.

Success Programs helps students succeed as students, professionals, and citizens through New Student Orientation, Freshman Convocation, the Freshman Seminar, The Learning Resource Center, Freshman Council, and the Leadership Certificate. Tutoring, academic counseling, and courses for credit in leadership are important services offered through this department. These services help students manage their time, retain what they study, and conquer their stress. Success Programs welcomes students to the Institute and helps them turn their dreams into reality.

Career Services is a centralized service for all Georgia Tech students, undergraduate and graduate. Its purpose is to provide support services to the students of Georgia Tech, and to selected others, so as to facilitate their transfer from an academic environment to a meaningful, productive career of their choice involving full-time, part-time summer, and intern positions and opportunities with employers from business, industry and governmental agencies.

Source: Division of Student Affairs

STUDENT

Table 4.7 Fraternities and Sororities

Social Organization	Date Established on Campus
Fraternities	
Alpha Tau Omega	1888
Sigma Alpha Epsilon	1890
Kappa Sigma	1895
Sigma Nu	1896
Kappa Alpha Order	1899
Phi Delta Theta	1902
Chi Phi	1904
Phi Kappa Sigma	1904
Pi Kappa Alpha	1904
Sigma Phi Epsilon	1907
Pi Kappa Phi	1913
Phi Epsilon Pi*	1916
Zeta Beta Tau*	1970
Beta Theta Pi	1917
Delta Sigma Phi	1920
Delta Tau Delta	1921
Sigma Chi	1922
Phi Sigma Kappa	1923
Chi Psi	1923
Theta Chi	1923
Phi Gamma Delta	1926
Phi Kappa Tau	1929
Lambda Chi Alpha**	1942
Alpha Epsilon Pi	1946
Tau Kappa Epsilon	1948
Theta Xi	1951
Delta Upsilon	1957
Phi Kappa Theta	1966
Psi Upsilon	1970
Omega Psi Phi	1976
Alpha Phi Alpha	1981
Delta Chi	1991
Sororities	
Alpha Xi Delta	1954
Alpha Gamma Delta	1970
Alpha Chi Omega	1974
Alpha Delta Pi	1977
Alpha Kappa Alpha	1979
Delta Sigma Theta	1982
Zeta Tau Alpha	1984
Phi Mu	1989

* In 1970, Phi Epsilon Pi merged into Zeta Beta Tau.
**In 1942, Beta Kappa became Lambda Chi Alpha.

Source: Division of Student Affairs

STUDENT

Table 4.8 Student Organizations

Organization	Purpose
	Student Governing Organizations
Board of Student Publications	Governs and coordinates the efforts of the major student publications
Graduate Student Senate	Represents graduate students
Interfraternity Council	Governing body of the fraternity system
Intramural Advisory Board	
Outdoor Recreation Georgia Tech	
Panhellenic Association	Governing body of the sorority system
Radio Communications Board	Governs the student radio station (WREK)
Residence Hall Association	Represents residents of the residence halls and organizes residence halls
Sports Club Council	Supervises and evaluates the sports club program
Student Athletic Center Advisory Council	Administers programs serving recreational and athletic interests of the Tech community
Student Center Governing Board	Determines policies and procedures of the Student Center
Student Center Programming Board	Coordinates activities and programs
Student Government Association	Provides for the involvement of the student body in the operation of the Institute
Undergraduate Student Government	To organize and fund undergraduate student organizations and activities
	Production Organizations
Amateur Radio	Georgia Tech's amateur radio station
Blueprint	Georgia Tech's annual
Chamber Orchestra	Studies and performs classical chamber music
Musicians Network	Brings campus musicians together for playing and recording
Chorale	Performs sacred works and popular contemporary music
DramaTech	Theatrical performances
Erato	A student publication of art, poetry, prose, and photography
Georgia Tech Yellow Jacket Band	Performs at football games
Pep Band	Performs at basketball games
Concert Band	Light concert performances during winter and spring
Jazz Ensemble	Performance-oriented jazz group
The Technique	Student-run newspaper
North Avenue Review	Specialty student paper
WREK Radio	Georgia Tech's 24-hour a day, student-run radio station
	Honor Societies
ANAK	Honor
Briarean Society I	Promotes high scholarship among co-op students
Briarean Society II	Recognizes academic achievement of co-op students
Gamma Beta Phi Society	Encourages scholastic effort and rewards academic merit
Golden Key Nat'l Honor Society	Recognizes scholastic achievement and excellence in all undergraduate fields
Lambda Sigma	Alpha Kappa Chapter, promotes leadership, scholarship, and fellowship among sophomores
Omicron Delta Kappa	Alpha Eta Circle, promotes leadership
Order of Omega	Promotes leadership of fraternity and sorority members
Phi Eta Sigma	Freshman Honorary Society
Phi Kappa Phi	Recognizes superior scholarship in all fields of study
Tau Beta Pi Association	Georgia Alpha Chapter, honors academic achievements and exemplary character
	Departmental Honoraries
Alpha Chi Sigma	Chemistry
Alpha Pi Mu	Industrial engineering
Beta Beta Beta	Biology
Beta Gamma Sigma	Business and management
Chi Epsilon	Civil engineering
Omega Chi Epsilon	Chemical engineering
Eta Kappa Nu	Beta Mu Chapter, electrical engineering
Honorary Accounting Organization	To promote the study of accounting

Source: Division of Student Affairs

STUDENT

Table 4.8 Student Organizations–*Continued*

Organization	Purpose
	Departmental Honoraries - *Continued*
Kappa Kappa Psi	Promotes the existence and welfare of the band
Keramos	Ceramic industries
Phi Psi	To promote scholarship and leadership in the textile industry
Pi Mu Epsilon	Mathematics
Pi Tau Sigma	National honorary mechanical engineering fraternity
Sigma Gamma Tau	Aeronautical engineering
Sigma Pi Sigma	Physics
Tau Beta Sigma	Promotes and serves the Georgia Tech band
	Departmental and Professional Societies
AIESEC	Promotes international understanding and cooperation
Alpha Chi Sigma	To promote the advancement of chemistry as a science
Alpha Kappa Psi	Professional business fraternity for Industrial Management and Industrial Engineering
American Assoc. of Textile Chemists and Colorists	New processes in textile manufacturing
American Ceramic Society	Furthers ceramic science, technology, and developments
American Chemical Society	Provides professional and personal services to chemistry and chemical engineering majors
American Institute of Aeronautics	Promotes student/industry relations in aerospace engineering and astronautics
American Institute of Architects	Provides student link to the practice of architecture and those professionals involved
American Institute of Chemical Engineers	Strives to build leadership and communication skills for chemical engineers
American Institute of Industrial Engineers	Encourages industrial engineering awareness on campus and the professional development of industrial engineers
American Medical Student Association	Pre-medical society
American Nuclear Society	Provides a professional society dedicated to the discussion of policy and related issues affecting nuclear and radiation protection
American Society of Civil Engineers	Provides professional, social, and academic development activities for civil engineers
ASHRAE	Science and professions relating to heating, refrigeration engineering
American Society of Mechanical Engineers	Opportunities and responsibilities of mechanical engineering
American Society of Metals / The Metallurgical Society	To foster the study of the interaction between mind, body and environment
Arnold Air Society	Develops leadership and dedication in AFROTC cadets
Assoc. for Computing Machinery	Promotes and increases knowledge of science, design, development, construction, languages and applications of modern computing machinery
Assoc. for Environmental Engineers	To provide a forum for communication between students, faculty, scientists and engineering professionals in the field of environmental engineering.
Assoc. for Industrial Design Students	Promotes the field of industrial design
Assoc. of Chemical Engineering Graduate Students	Promotes graduate student interaction with the Chemical Engineering Graduate Students School, faculty, staff and fellow graduate students
Biomedical Engineering Society	To promote the profession of biomedical engineering through study, research, and discussion
Co-op Club I & II	To promote recreation and leadership for co-op students
Economics Club	To encourage students to pursue further studies in economics
Executive Round Table	To provide a forum for leaders to share creative ideas
Financial Management Association	To promote students interest in finance, investment and banking
GT Law	Familiarizes students with the study and practice of law
Geophysical Sciences Club	To promote awareness of geophysical sciences
Georgia Society of Professional Engineers, Student Chapter	To promote professionalism in engineering practices
Geotechnical Society	To unite students in advancing the geotechnical profession
Graduate Students in Management	Serves as a focal point for graduate management activities
Health and Physics Society	To provide support for graduate students in the Health Physics/Nuclear Engineering programs
Industrial Designers Society of America	Fosters better student understanding of the practice and profession of industrial design
Institute of Electrical and Electronic Engineers	Provides means for student involvement in electrical engineering
Mechanical Engineering Graduate Student Association	To identify and meet the needs of Mechanical Engineering graduate students

Source: Division of Student Affairs

STUDENT

Table 4.8 Student Organizations–*Continued*

Organization	Purpose
	Departmental and Professional Societies - *Continued*
Motorsports	To design, and compete in the annual Formulae SAE competition
National Society of Black Engineers	Fosters the recruitment, retention, and career development of minorities in engineering
Operations Management Society	To increase the exposure of the operations management program
Psychology Club	To promote interaction between students and faculty in the School of Psychology
Society for Advancement of Management	Conducts and promotes scientific study of the principles governing management-organized effort in industrial and economic life
Society of Automotive Engineers	Advances the arts, sciences, standards, and engineering practices connected with the design and utilization of self-propelled mechanisms, prime movers, and related equipment
Society of Hispanic Professional Engineers	Promotes scholarships and assists Hispanic students in acquiring scholarships
Society of Manufacturing Engineers	To promote manufacturing interest on Georgia Tech campus
Society of Physics Students	Advances and diffuses knowledge of physics
Society of Women Engineers	Professional service organization aimed toward informing women engineering students of opportunities open to them
Student Construction Association	Promotes the building construction program

Source: Division of Student Affairs

STUDENT

Table 4.8 Student Organizations–*Continued*

Organization	Organization	Organization
	Recreation, Leisure and Sports Organizations	
Barbell Club	Ramblin' Reck Club	Tae Kwon Do Club
Bowling Club	Rowing Club (Crew Club)	Ultimate Frisbee Club
Cheerleaders	Rugby Club	Volleyball Club
Cycling	Sailing Club	Water Polo Club
Fencers Society, Yellow Jacket	Scuba Jackets Club	Water Ski Club
Golf	Soccer Club	Women's Lacrosse Club
Hapkido Club	Society for Creative Anachronism	Women's Soccer Club
Ice Hockey Club	Sport Parachute Club	Wrestling Club
Men's Lacrosse Club	Swimming Club	
Racquetball Club	Table Tennis Club	
	Religious and Spiritual Organizations	
Atlanta YAD	Christian Campus Fellowship	InterVarsity Christian Fellowship
Baha'i Club	Christian Science College	Lutheran Campus Ministry
Baptist Student Union	Christian Student Organization	New Generation Campus Ministries
Campus Crusade for Christ	Church of Jesus Christ of Latter Day Saints	Newman Club - Catholic Center
Canterbury Assoc. of All Saints Church	Fellowship of Christian Students	Wesley Foundation
Chi Alpha Christian Fellowship	Forerunners for Christ	Westminster Christian Fellowship
	Service and Educational Organizations	
Alpha Phi Omega	College Republicans	Students for Life
AmigaSIG	Environmental Forum	Students of Objectivism
Amnesty International	Flying Club, Yellow Jacket	Student Union for the Homeless
Angel Flight	Freshman Council	Toastmasters
Association for Metaphysical and Parapsychological Research	Habitat for Humanity	Young Democrats
	Mariners	Young Men's Christian Assoc.
Career Fair Committee	Omega Phi Alpha	
Circle "K" Club	Rotaract Club	
	Cultural and Diversity Organizations	
African-American Student Union	Chinese Student Club	Korean Students Association
African Students Association	Filipino Student Association	Muslim Student Association
Arab Student Association	French Club	Pakistan Student Association
Bangladesh Student Union	Gay and Lesbian Alliance	Puerto Rican Student Association
Black Graduate Student Association	The German Club	Turkish Students Organization
Cambodian Student Organization	Hellenic Society	US/Japan Intercultural Society
Caribbean Students Association	India Club	Vietnamese Students Organization
Chinese Friendship Association	Indonesian Student Association	Women's Student Union

Source: Division of Student Affairs

ATHLETIC ASSOCIATION

The Georgia Tech athletic tradition is almost as old as the school itself and contributes an important part to the Tech heritage. The first football team was formed in 1892, and from that initial season until 1903 it was coached by an assortment of volunteers, most notably Lt. Leonard Wood (who later became famous as the colonel in command of Roosevelt's Rough Riders and the man who captured Geronimo). In 1904, Tech hired its first full-time football coach, John Heisman, for whom the Heisman Trophy is named.

Over the last 85 years, Tech has had only ten full-time head football coaches: John Heisman, Bill Alexander, Bobby Dodd, Bud Carson, Bill Fulcher, Pepper Rodgers, Bill Curry, Bobby Ross, Bill Lewis, and George O'Leary.

The Tech football history includes such notable events as four national championships (1917, 1928, 1952 and 1990), 26 bowl game appearances (18 wins, 8 losses), and 45 All-American citations. The Tech legend includes more than football, including the 1990 men's basketball Final Four appearance and women's basketball NWIT 1992 National Championship. Many great names have made sports history at Georgia Tech–Bobby Jones and Larry Mize (golf); Roger Kaiser, Rich Yunkus, Mark Price, John Salley (basketball); Ed Hamm (track world record holder and Olympic performer); and Antonio McKay (Olympic gold and bronze medalist in track and field), Derrick Adkins (Olympic medalist in track and field), and Derrick Mills (Olympic medalist in track and field).

The Georgia Tech Athletic Association is a nonprofit organization responsible for maintaining the intercollegiate athletic program at Georgia Tech. The Athletic Association is overseen by the Georgia Tech Athletic Board, chaired by the president of the Institute and composed of seven faculty members, three alumni members, and three student members. The on-going operations of the Athletic Association are managed by the Director of Athletics, Mr. Dave Braine, and his staff.

The Athletic Association consists of the following areas of operations: Sport Programs (16), Business, Development, Finance, Accounting, Ticketing, Academics, Marketing and Promotions, Sports Information, and Sports Medicine. In addition, the Alexander-Tharpe Fund raises funds to support intercollegiate athletics. The Fund offers scholarships and other forms of assistance to student-athletes at Tech.

Tech has some of the finest facilities in the nation, including the multi-million dollar Arthur B. Edge Athletics Center, which houses Tech's administrative and coaching staffs, a dining hall, locker, training and weight room facilities, as well as the Andrew Hearn, Sr., Academic Center. Tech's athletic plant also features the 46,000-seat Bobby Dodd Stadium/Grant Field for football, the 10,000-seat Alexander Memorial Coliseum for basketball, the James Luck, Jr., Building that houses basketball locker rooms, and the Russ Chandler Stadium for baseball, as well as the Bill Moore Tennis Complex (which features both indoor and outdoor courts) and the state-of-the-art George C. Griffin Track complex and Morris Bryan Stadium, Glenn Softball Stadium, and The Rice Center for Sports Performance.

The Homer Rice Center for Sports Performance is the home of the Total Person Program. The center is comprised of seven sports performance and wellness clinics which occupy 44,000 square feet next to the Edge Building at the Shaw Sports Complex. The state of the art units address the needs of the Georgia Tech student-athletes. The $8 million facility also includes the Candler Football Conference Center and the Mathews Athletic Heritage Center. The seven performance and wellness clinics are made up of sports physiology, motion analysis, sports nutrition, sports rehabilitation, sports vision and performance and wellness counseling. The seven clinics combined to construct a comprehensive "performance profile" of the student-athlete.

The Georgia Tech Athletic Association is a service organization for several constituent groups: Tech's student-athletes, the student body, faculty and staff, alumni and friends, sports media, and the general community. The primary purpose of the Athletic Association is to direct each student-athlete toward growing as a total person, earning a meaningful degree, becoming a good citizen, and developing as an athlete. The basic obligation of all of these groups is twofold:

(1) to develop and maintain a competitive athletic program within the ACC and NCAA that can be a source of pride, and
(2) to allow members of these groups the opportunity to become involved in the program, whether as participants, contributors, or spectators.

The Athletic Association also sponsors the Georgia Tech Band, Pep Band, Gold Rush (dance team), cheerleaders, and Solid Gold (recruiting assistants), as well as student trainers and managers.

Table 4.9 Athletic Association Sponsored Groups

Group	Number of Participants
Sport Teams (16)	387
Band	300
Pep Band	30
Reckettes	16
Cheerleaders	24
Solid Gold	25
Student Trainers	11
Student Managers	12

Source: Office of the Director, Athletic Association

ATHLETIC ASSOCIATION

The Georgia Tech athletic program includes 16 intercollegiate athletic teams (nine men's and seven women's). During the 1995-96 school year, 387 student-athletes will compete in these sports:

Table 4.10 Intercollegiate Athletic Teams

Sport	Head Coach	Number of Participants
	Men's	
Baseball	Danny Hall	30
Basketball	Bobby Cremins	15
Cross Country	Grover Hinsdale/Alan Drosky	20
Football	George O'Leary	100
Golf	Bruce Hepple	8
Indoor Track	Grover Hinsdale	36
Swimming	Seth Baron	33
Tennis	Jean Desdunes	13
Track	Grover Hinsdale	44
	Women's	
Basketball	Agnus Berenato	14
Cross Country	Alan Drosky	16
Indoor Track	Alan Drosky	36
Softball	Regina Tomaselli	18
Tennis	Sue Hutchinson	10
Track	Alan Drosky	34
Volleyball	Shelton Collier	14

Table 4.11 Georgia Tech Athletic Board

Name	Title
	Chairman
Dr. G. Wayne Clough	President
	Faculty
Dr. Fred Cook	Chair, School of Textile and Fiber Engineering, College of Engineering
Dr. Philip Adler Jr.	Professor, School of Management, Ivan Allen College
Dr. Catherine Ross	Professor, College of Architecture
Dr. George Nemhauser	Faculty Chairman, Professor, School of Industrial and Systems Engineering, College of Eng.
Dr. Patricia McDougall	Associate Professor, School of Management, Ivan Allen College
Dr. Gus Giebelhaus	Coordinator Undergraduate Programs/Professor, School of History, Technology and Society, Ivan Allen College
Dr. William Wepfer	Professor, The George W. Woodruff School of Mechanical Engineering, College of Engineering
	Students
Greg Scherrer	Editor, *The Technique*
David Skinner	Undergraduate Student Body President
Doug Britton	Graduate Student Body President
Charles Wiley	Student-Athlete Representative
	Alumni
Mr. Taz Anderson	
Mr. Don Chapman	
Mr. Jim Terry	
	Honorary Members
Mr. Arthur Howell	
Mr. Dan McKeever	
Mr. George Brodnax III	
Mr. John O'Neill	Business Manager, Emeritus
Dr. William M. Sangster	Faculty Chairman, Emeritus

Source: Office of the Director, Athletic Association

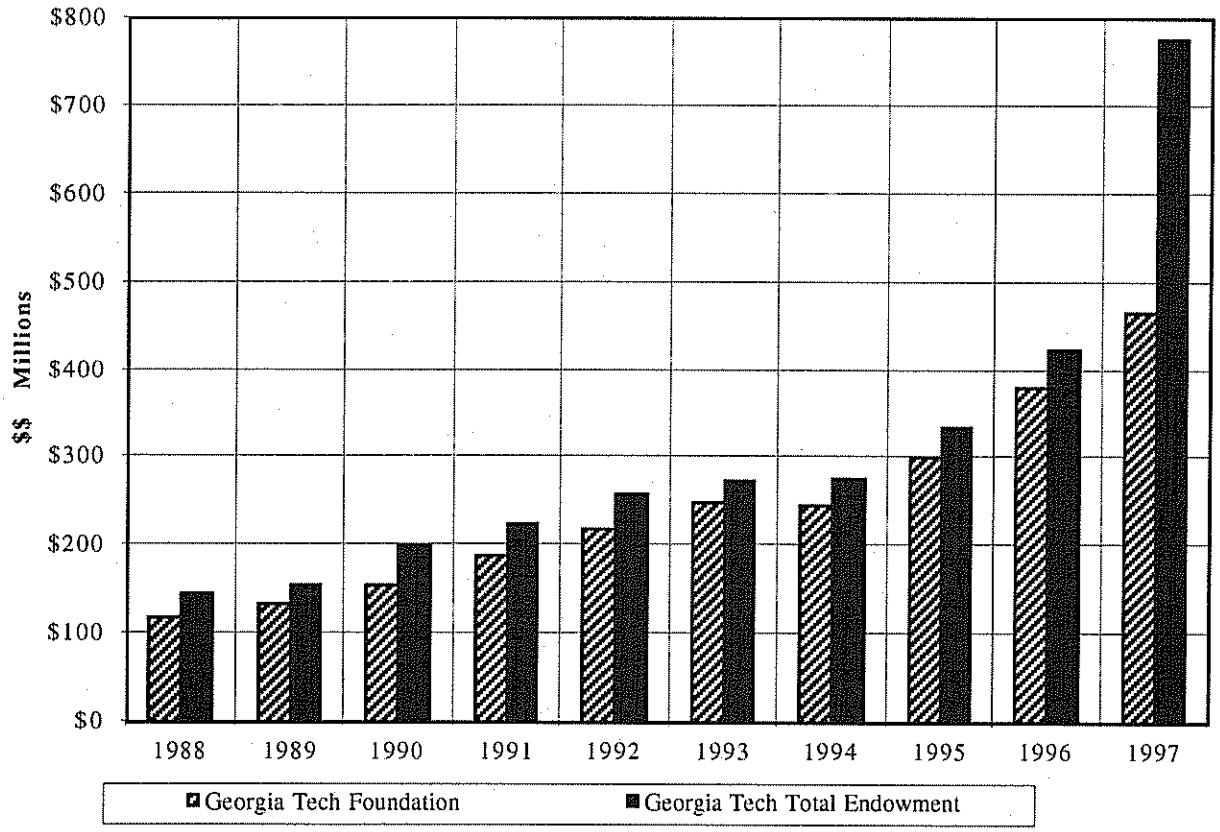
GEORGIA TECH FOUNDATION

The Georgia Tech Foundation was chartered in 1932 to "promote in various ways the cause of higher education in the state of Georgia; to raise and receive funds for the support and enhancement of the Georgia Institute of Technology; and to aid the Georgia Institute of Technology in its development as a leading educational institution." It is a nonprofit corporation that receives, administers, and distributes virtually all contributions made in support of the Georgia Institute of Technology. It has been certified by the Internal Revenue Service of the United States and the Department of National Revenue-Taxations of Canada as a tax-exempt organization.

The Board of Trustees of the Foundation is composed of 36 individuals distinguished by success in their chosen professions and their long-time interest in, service to, and support of the Institute. These trustees include the president, president-elect, and immediate past president of the Alumni Association and chairman of the Georgia Tech Advisory Board as *ex-officio* members. The trustees are elected to four-year terms and may be elected to serve no more than two consecutive full terms on the Board. Twenty-three emeritus trustees continue to advise the Foundation and actively support the Institute.

The office of the Foundation is located in the William C. Wardlaw Center on North Avenue. The Endowment of the Foundation as of June 30, 1997, had a market value in excess of $465 million. The Foundation supports recruitment and support of students, acquisition of facilities and equipment, recruitment and support of faculty, academic program initiatives, and various other special projects.

Fig. 4.4 Market Value of Endowment *
Fiscal Years 1988-1997
(In Millions of Dollars)



* Georgia Tech Total Endowment increase was due to a change in accounting procedure.

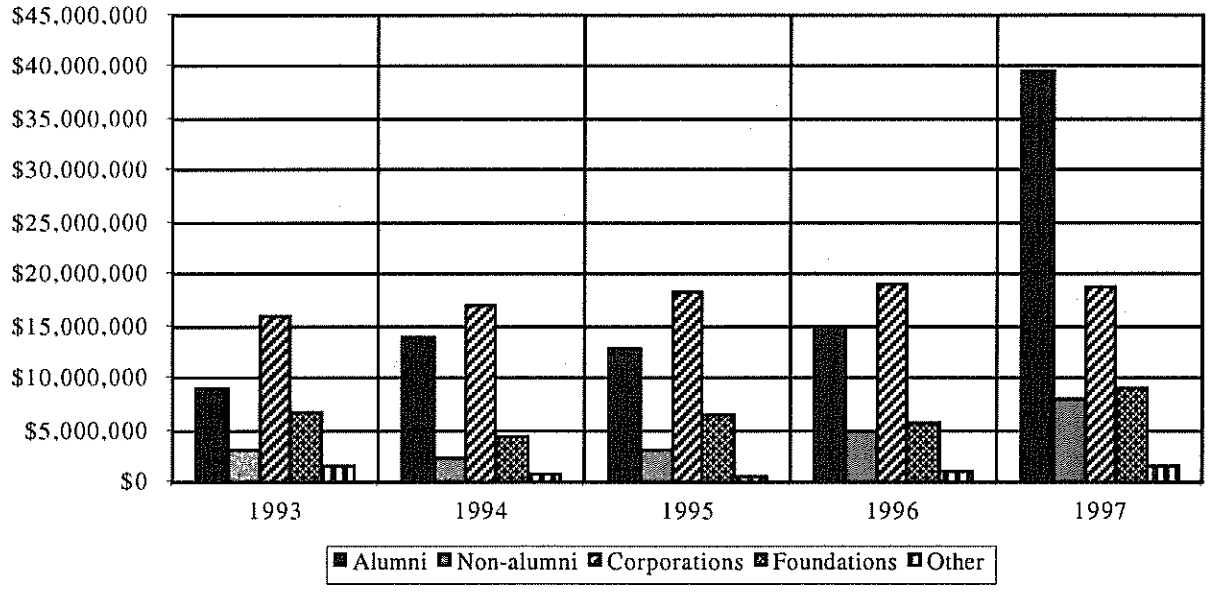
Source: Office of the Vice President for External Affairs

SOURCES OF SUPPORT

Table 4.12 Major Institutional Support, Fiscal Years 1993-97*

	1993	1994	1995	1996	1997
	By Donor Purpose				
Unrestricted	$6,319,609	$12,664,776	$7,717,577	$9,305,307	$8,966,032
Institute Divisions	5,039,764	5,395,902	4,681,468	4,422,961	5,360,827
Faculty and Staff Compensation	709,936	172,812	77,833	1,704,650	83,683
Research	2,697,294	4,178,453	4,114,239	5,374,391	7,714,324
Student Financial Aid	1,608,926	1,493,023	924,349	1,511,110	1,334,579
Other Restricted Purposes	6,086,311	4,447,666	4,391,556	6,906,223	14,319,652
Total for Current Operations	$22,461,840	$28,352,632	$21,907,022	$29,224,642	$37,779,097
Property, Buildings, and Equipment	$9,221,534	$6,861,164	$10,844,815	$9,097,663	$7,626,515
Endowment and Similar Funds Unrestricted	1,037,479	424,972	2,498,030	568,312	820,564
Endowment and Similar Funds Restricted	3,405,452	2,571,814	5,928,848	6,348,742	30,659,698
Loan Funds	3,789	0	0	50,000	0
Total for Capital Purposes	$13,668,254	$9,857,950	$19,271,693	$16,064,717	$39,106,777
Grand Total	**$36,130,094**	**$38,210,582**	**$41,178,715**	**$45,289,359**	**$76,885,874**
	By Source of Support				
Alumni	$8,950,820	$13,842,101	$12,945,040	$15,026,672	$39,681,357
Non-alumni	3,211,314	2,420,972	3,158,627	4,776,742	7,870,653
Corporations	15,952,992	16,870,496	18,240,190	18,908,852	18,740,106
Foundations	6,577,581	4,352,159	6,377,331	5,612,086	8,998,136
Other	1,437,387	724,854	457,527	965,007	1,595,622
Total	**$36,130,094**	**$38,210,582**	**$41,178,715**	**$45,289,359**	**$76,885,874**

Fig. 4.5 Major Sources of Support Fiscal Years 1993-97



* Includes all donations made to the Georgia Tech Foundation, the Alexander-Tharpe Fund, Inc., and the Georgia Institute of Technology.

Source: Office of the Vice President for External Affairs

EXTERNAL AFFAIRS

The Office of External Affairs, headed by Interim Vice President Barrett Carson, communicates Georgia Tech's message to the public – alumni, friends, potential students, the media, business and industry – and develops prospects for funding that will ensure Georgia Tech's future as an institute of higher learning and as a major factor in the state's economy. The division is responsible for conducting the Capital Campaign and assists the individual academic units with development support. The Office of External Affairs works to maintain the integrity of the Institute's image through close monitoring of logos and trademarks, public relations efforts, funding procurement, and donor contact.

The Office of External Affairs includes the following departments:

Capital Campaign
Communications
Corporate Relations
Development
Development Support
Government Relations
University Partnerships
Vice President External Affairs

Note: The Office of External Affairs was reorganized in early 1998. Please see Organizational Charts A and F.

GEORGIA TECH OFFICERS

Table 4.13 Georgia Tech Officers, Fiscal Year 1997-98

Name	Position	Title
		Georgia Tech Foundation
Charles R. Brown	President	President, Technology Park/Atlanta Inc.
Julian LeCraw	Vice President	President, Julian LeCraw & Company
John C. Staton, Jr.	Treasurer	Partner, King and Spalding
Barrett Carson	Acting Vice President	Acting Vice President for Development, Georgia Tech
Patrick J. McKenna	Secretary	Georgia Tech Foundation, Georgia Tech
		Georgia Tech Advisory Board
Thomas L. Gossage	Chair	Chairman of the Board and CEO, SEI Corporation
Alfred P. West	Immediate Past Chair	Chairman of the Board and CEO, Interface, Inc.
Barrett Carson	Secretary	Acting Vice President for Development, Georgia Tech
Daniel E. Pittard	Vice Chair	Chairman, President and CEO, Hercules, Inc.
		Alexander-Tharpe Fund, Inc.
G. Wayne Clough	President	President, Georgia Tech
Dennis H. James	Vice President	President, Shoptaw-James, Inc.
Jack Thompson	Exec. Vice President and Executive Director	Senior Associate Athletic Director, Georgia Tech
Barrett Carson	Secretary	Acting Vice President for Development, Georgia Tech
Jeffrey Bourne	Treasurer	Alexander-Tharpe Fund, Inc.
Susan Phinney	Vice President	Alexander-Tharpe Fund, Inc.
David Braine	Athletic Director	Exec. Asst. to the President & Director of Athletics, Georgia Tech
Joseph Siffri	Director	Georgia Tech Athletic Association
Arthur Howell	Attorney	Counsel, Alston & Bird
		Georgia Tech Alumni Association
H. Milton Stewart	President	Chairman of the Board & CEO, Standard Group, Inc.
Frank H. Maier, Jr.	Past President	Chairman of the Board, Maier & Berkele, Inc.
Hubert L. Harris, Jr.	President-Elect/Treasurer	President/INVESCO Services Inc.
Francis N. Spears	Vice President/Activities	Vice President Dist. Manager, HCB Contractors
Jay McDonald	Vice President/Comm.	Chairman of the Board, McDonald & Hughes, Inc.
N. Allen Robertson	Vice President/Roll Call	Vice President, Byers Engineering Company
John B. Carter, Jr.	Vice President and Exec. Dir.	Vice President and Exec. Director, Georgia Tech
Barrett Carson	Acting Vice President/ Development	Acting Vice President for Development, Georgia Tech

Source: Office of the Vice President for External Affairs

ALUMNI ASSOCIATION

The Georgia Tech Alumni Association was chartered in June, 1908. The Association is a not-for-profit organization whose policies, goals, and objectives are guided by a Board of Trustees. The mission of the Association as stated in its charter is to:

1. Promote active alumni participation for Georgia Tech through services to alumni and keep them informed of events of interest;
2. Promote alumni volunteer support for Georgia Tech through the Roll Call, special projects, capital campaigns and other fund-raising activities;
3. Promote the academic and research achievements of the Institute;
4. Act as liaison between the alumni and the administration of the Institute;
5. Manage the resources of the Association in such a way as to achieve this mission in the most cost-effective manner.

The Alumni Association produces two award-winning publications for alumni, faculty and friends of the Institute: *Tech Topics*, a 64-page quarterly newspaper with a circulation of more than 82,000 and *Georgia Tech Alumni Magazine* , a quarterly glossy publication with a circulation of nearly 30,000. Two electronic publications, a weekly newsletter, *BUZZwords*, and timely sports coverage, *BUZZwords Sports* are distributed to more than 2,500 e-mail accounts.

The Association's 62 Clubs are located throughout 18 U.S. states and in Puerto Rico, Japan, Panama and Ecuador providing opportunities to socialize, recruit new students for Georgia Tech, fund raise and develop valuable contacts with other Tech graduates.

Through the Programs department annual reunions, homecoming festivities, social and educational events are presented and special interest alumni and student groups are supported.

The Alumni Career Services provides free lifelong career assistance to alumni including the weekly *Bulletin*, an annual career conference, and liaisons with companies searching for job candidates through the maintenance of an "open resume file."

Other activities the Association sponsors include: a tours program for alumni and friends that includes international travel as well as sports-oriented trips; an oral history program that produces video/audio tapes on the lives and achievements of alumni and faculty for the Institute's Library Archives; and a marketing program that offers unique Tech merchandise for sale, affinity credit cards and telephone cards and a variety of insurance programs.

The offices of the Alumni Association are located in the L.W. "Chip" Robert, Jr. Alumni/Faculty House at 190 North Avenue. Inquiries should be directed to (404) 894-2391 or 1-800-GT ALUMS or Fax (404) 894-5113 or alumni@www.gatech.edu or http://gatech.edu/alumni/alumni.html.

Source: Office of the Vice President and Executive Director, Alumni Association

ALUMNI

Table 4.14 Geographical Distribution of Alumni, as of June 1997*

State	Population	State	Population	State	Population
Alabama	2,252	Maine	48	Pennsylvania	953
Alaska	48	Maryland	1,342	Rhode Island	69
Arizona	454	Massachusetts	670	South Carolina	2,382
Arkansas	212	Michigan	507	South Dakota	7
California	2,844	Minnesota	172	Tennessee	2,316
Colorado	598	Mississippi	412	Texas	3,231
Connecticut	387	Missouri	424	Utah	73
Delaware	209	Montana	23	Vermont	48
District of Columbia	98	Nebraska	56	Virginia	2,454
Florida	5,932	Nevada	107	Washington	503
Georgia	32,499	New Hampshire	123	West Virginia	125
Hawaii	76	New Jersey	923	Wisconsin	164
Idaho	59	New Mexico	194	Wyoming	24
Illinois	721	New York	1,075		
Indiana	330	North Carolina	2,825		
Iowa	61	North Dakota	6	Guam	6
Kansas	152	Ohio	959	Puerto Rico	304
Kentucky	483	Oklahoma	167	Virgin Islands	15
Louisiana	709	Oregon	167	Foreign and Unknown	1,833

Table 4.15 Foreign Country Analysis of Alumni, as of June 1997*

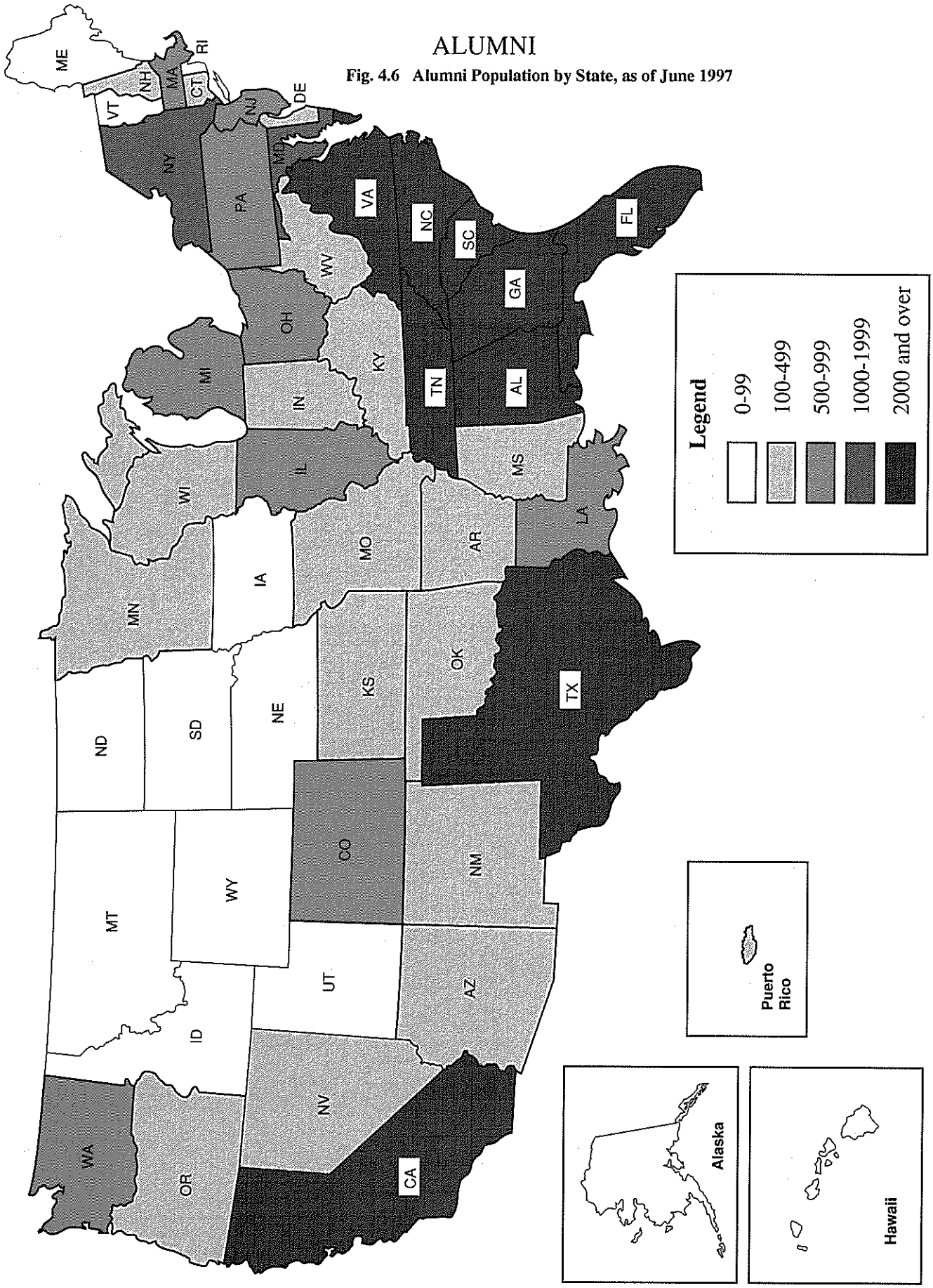
Country	Population	Country	Population	Country	Population
Afghanistan	2	Germany	131	Panama	74
Algeria	9	Greece	35	Paraguay	1
Argentina	9	Guatemala	15	Peru	17
Aruba	1	Honduras	31	Philippines	7
Australia	20	Hong Kong	23	Poland	1
Austria	4	Iceland	10	Portugal	7
Bahamas	11	India	71	Qatar	1
Bahrain	1	Indonesia	14	Romania	13
Bangladesh	3	Iran	13	Russia	1
Barbados	1	Iraq	4	Saudi Arabia	17
Belgium	12	Ireland	8	Scotland	5
Belize	1	Israel	14	Singapore	13
Bermuda	1	Italy	17	South Africa	10
Bolivia	8	Ivory Coast	2	Spain	14
Botswana	1	Jamaica	6	Sri Lanka	1
Brazil	28	Japan	70	Sudan	1
Cameroon	1	Jordan	3	Surinam	1
Canada	53	Kenya	4	Sweden	5
Cayman Islands	1	Korea	36	Switzerland	36
Chili	10	Kuwait	3	Syria	6
China	48	Lebanon	7	Taiwan	80
Colombia	110	Libya	1	Thailand	44
Costa Rica	46	Luxembourg	1	Trinidad & Tobago	1
Curacao	1	Malaysia	4	Tunisia	5
Cyprus	4	Mauritius	1	Turkey	30
Denmark	4	Mexico	84	Uganda	1
Dominican Republic	18	Nepal	1	United Arab Emirates	74
Ecuador	50	Netherlands	19	United States	4
Egypt	7	New Zealand	4	Uruguay	1
El Salvador	11	Nicaragua	14	Venezuela	93
England	50	Nigeria	9	Vietnam	3
Ethiopia	1	Norway	12	Yemen	2
Finland	5	Pakistan	24	Zambia	1
France	179				

* These figures include only those alumni whose location is known.

Source: Office of the Vice President and Executive Director, Alumni Association

ALUMNI

Fig. 4.6 Alumni Population by State, as of June 1997



Source: Office of the Vice President and Executive Director, Alumni Association

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Table 4.16 Living Alumni by Class Years, 1904-1997*

Year	Alumni	Year	Alumni	Year	Alumni
1904	1	1938	197	1968	1,225
1905	1	1939	224	1969	1,294
1907	1	1940	220	1970	1,607
1910	1	1941	283	1971	1,442
1911	1	1942	321	1972	1,422
1912	3	1943	446	1973	1,477
1913	1	1944	167	1974	1,470
1914	5	1945	213	1975	1,340
1915	3	1946	266	1976	1,374
1916	5	1947	562	1977	1,405
1917	3	1948	695	1978	1,463
1918	4	1949	940	1979	1,655
1919	6	1950	1,099	1980	1,771
1920	13	1951	918	1981	1,962
1921	12	1952	752	1982	1,997
1922	9	1953	639	1983	1,891
1923	38	1954	617	1984	1,931
1924	27	1955	605	1985	1,909
1925	46	1956	746	1986	1,865
1926	39	1957	901	1987	1,799
1927	45	1958	987	1988	1,880
1928	58	1959	999	1989	1,730
1929	62	1960	1,088	1990	1,870
1930	80	1961	920	1991	1,722
1931	102	1962	928	1992	1,968
1932	125	1963	831	1993	2,095
1933	154	1964	937	1994	1,917
1934	167	1965	990	1995	1,429
1935	142	1966	924	1996	2,316
1936	125	1967	1,020	1997	1,956
1937	116				

*These figures include only those alumni whose location is known.

Source: Office of the Vice President and Executive Director, Alumni Association

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Table 4.17 Alumni Clubs, as of June 1997

Location	State	Club President
Albany	GA	Burt Riles
Atlanta - Bell South Employees	GA	Bill Slate
Atlanta - Buckhead	GA	Tammy Tuley
Atlanta - DeKalb	GA	David Shonk
Atlanta - East Metro	GA	Butch Norris
Atlanta - Georgia Power	GA	George Hoffman
Atlanta - Georgia Tech GT	GA	Rich Combes
Atlanta - Gwinnett	GA	Scott Taylor
Atlanta - North Metro	GA	Vickie Olson
Atlanta - South Metro	GA	David Sowell
Atlanta - West Metro	GA	Bill Biggs
Augusta	GA	Brent Smith
Baton Rouge	LA	Mark Mitchell
Birmingham	AL	Harold Hite
Central Florida (Orlando)	FL	Rob Mitchell
Charlotte	NC	Rick Moser
Chattanooga	TN	Tim Gibbons
Chicago	IL	Winston Duke
Columbus	GA	Randy Marshall
Denver	CO	Scott Alexander
Gainesville	GA	Harry Bagwell
Golden Isles (Brunswick)	GA	John Dieterman
Greensboro/Winston-Salem	NC	Andy Hjort
Greenville/Spartanburg	SC	Leo Taske
Griffin	GA	Mary Jo Rogers
Hampton Roads (Norfolk)	VA	Michael Goldmeier
Houston	TX	Ceci Engstrom
Jacksonville	FL	Morgan Payne
Macon	GA	Betty Jean Jordan
Memphis	TN	Bill Turner
Milledgeville	GA	Fred Stewart
Motor City (Detroit)	MI	David Miller
Nashville	TN	Glenn Shepard
New York	NY	Jennifer DiPalma
N. Texas (Dallas/Ft. Worth)	TX	David Dunn
NE Ohio	OH	Bruce Warnock
NE Tennessee	TN	Bob Anderson
Northern California	CA	John Sessoms
Northern Los Angeles	CA	Alec Pringle
Phoenix	AZ	Lori Essig
Puerto Rico	PR	Joey Diaz
Raleigh/Durham	NC	Martin Hall
Richmond	VA	David Huff
Rome	GA	Scott Callan
Savannah	GA	Sandi Roth
Space Coast	FL	George Rouse
Statesboro	GA	Julian Daniel
Sun Coast (Tampa/St.Pete)	FL	Phillip Russell
Tallahassee	FL	Charles Redding III
Valdosta	GA	Joe Paoletti
Washington, D.C.	DC	Jim Perrin
West Georgia (Carrollton)	GA	David Griffin
West Palm Beach	FL	Irv Silver

Source: Office of the Vice President and Executive Director, Alumni Association

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Table 4.18 Employers of Twenty-five or More Georgia Tech Alumni, as of June 1997

Company	Company	Company
Allied-Signal, Inc.	Georgia Pacific Corporation	Robins AFB
Aluminum Company of America	Georgia State University	Scientific Atlanta, Inc.
Amoco Oil Company	Georgia Tech Research Institute	Shaw Industries, Inc.
AMR Corporation	Harris Corporation	Shell Oil Company
Andersen Consulting	HBO & Company of Georgia	Simons Eastern Company
Army Corps of Engineers	Hercules, Inc.	Southern Company Services
AT & T	Hewlett-Packard Company	Southern Nuclear Operating Company
Atlanta Gas Light Company	Hoechst Celanese Corporation	Southern Tech
Babcock & Wilcox Company	Honeywell, Inc.	Southwire Company
Bechtel Corporation	Hughes Aircraft Company	Springs Industries, Inc.
BellSouth	Intel Corporation	Square D Company
Boeing Defense & Space Group	International Business Machines	State of Georgia
Burlington Industries, Inc.	International Paper Company	SunTrust Bank, Atlanta
Centers for Disease Control and Prevention	Kimberly-Clark Corporation	Tennessee Eastman Company
	KPMG Peat Marwick LLP	Tennessee Valley Authority
Chevron Corporation	Kurt Salmon Associates, Inc.	Texaco, Inc.
City of Atlanta	Law Companies Group, Inc.	Texas Instruments, Inc.
Corning Consumer Products Company	Lockheed Martin Corporation	The Boeing Company
Delta Air Lines	Lucent Technologies	The Coco-Cola Company
Department of Transportation	Massachusetts Institute of Technology	The Goodyear Tire & Rubber Company
Duke Power Company	McDonnell Douglas Corporation	The Procter & Gamble Company
E. I. Dupont	Medical College of Georgia	The Trane Company
Electromagnetic Sciences, Inc.	Metropolitan Atlanta Rapid Transit Authority	TRW, Inc.
Eli Lilly & Company		U. S. Air Force
Emory University	Michelin North America	U. S. Army
Environment Protection Agency	Milliken & Company	U. S. Department of Defense
Ernst & Young	Monsanto Company	U. S. Government
Exxon Company U.S.A.	Motorola, Inc.	U. S. Marine Corps.
Federal Aviation Administration	NASA	U. S. Navy
Federal Express Corporation	NationsBank Corporation	Union Camp Corporation
Federal Reserve Bank of Atlanta	NCR Corporation	Union Carbide Corporation
Florida Power & Light Company	Norfolk Southern Corporation	Unisys
Fluor-Daniel	Northern Telecom, Inc.	United Parcel Service Of America, Inc.
Ford Motor Company	Northern Trust Retirement Consulting	University of Alabama
General Dynamics Corporation	Oglethorpe Power Company	University of California
General Electric Company	Pratt & Whitney Government Engine	Wachovia Bank of Georgia, N.A.
General Motors	Printpack, Inc.	Warner Robins A L C
Georgia Dept. of Transportation	Rayonier, Inc.	Westinghouse Electric Corporation
Georgia Institute of Technology	Raytheon Company	Westinghouse Savannah River Company
Georgia Power Company	Reynolds Metals Company	Xerox Corporation

Source: Office of the Vice President and Executive Director, Alumni Association

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Table 4.19 Georgia Tech Alumni Association Board of Trustees, 1997-98

Officers	Trustees
President Francis N. Spears CE '73, MS CE '80	William H. Avery CHE '65, MS IM '67 Charles W. Bass IE '69 John H. Bachman, Jr. CE '62 Ann G. Badding IM '78 Richard A. Beard III IM '67 Roswell S. Bowers IM '71 Daniel H. Bradley IM '61 Mary Melinda Coker EE '87 H. Preston Crum ARCH '67 W. Elliott Dunwody III ARCH '52 Michael P. Franke IE '66 Phil Gee IE '81 Sherman J. Glass, Jr. CHE '71, MS CHE '72 J. William Goodhew III IM '61 H. Craig Hayes IM '65 Thomas N. Harrington IM '59 Patrick H. Hickok IE '70 Neil H. Hightower TEXT '63 Sharon R. Just CE '89 John E. Lagana IE '68 Jack Lawler TEXT '52 Gary S. May EE '85 S. Howard McKinley IM '60 James G. Pope EE '65 T. Tydings Robin, Jr. ME '61, MS NE '63, Ph.D. '67 Michael Sappington IE '70 Marvin Seals III IM '65 Warren D. Shiver III ME '64, MS ME '67 Ronda R. Sides IE '83 R. Joe Taylor IM '56 Albert S. Thornton, Jr. IM '68 Herbert S. Upton EE '65 Charles L. Wallace IM '64 J. Norman Wells EE '57 Paul H. Williams CHE '60 Janice N. Wittschiebe ARCH '78, M ARCH '80
Past President Hubert L Harris, Jr. IM '65	
President-Elect/Treasurer Jay M. McDonald IM '68	
Vice President/Activities N. Allen Robertson IE '69	
Vice President/Communications David M. McKenney PHYS '60, IE '64	
Vice President/Roll Call G. David Peake IE '61	
Acting Vice President/Development Barrett Carson	
Vice President and Executive Director John B. Carter, Jr. IE '69	

Source: Office of the Executive Director, Alumni Association

CENTER FOR THE ENHANCEMENT OF TEACHING AND LEARNING

The Center for the Enhancement of Teaching and Learning (CETL) was established to assist faculty members and administrators in their efforts to offer high-quality education to Georgia Tech students. Designed to function as a catalyst to stimulate thought and activities aimed at the enhancement of teaching and learning on the campus, the center provides facilities and programs for faculty, students, and administrators to seek and share information. Current and projected activities of the center include:

- Promoting faculty development and teaching proficiency through the design, administration, and evaluation of workshops, new faculty orientation programs, and training opportunities and seminars for graduate teaching assistants;
- Providing consultation to faculty members or school directors in their efforts to support, develop, or assess teaching proficiency;
- Providing or arranging for research consultation to departments or individuals engaged in research relating to teaching;
- Taping classes for professors and teaching assistants, conducting dialogues with students at the professor's request, and observing classes, with critiquing as an option;
- Maintaining a special collection of books, journals, and periodicals about teaching;
- Sponsoring a series of seminars focusing on teaching effectiveness, open to all faculty and graduate teaching assistants;
- Publishing a newsletter to apprise faculty of CETL's activities and to share ideas about teaching;
- Offering a series of tapes, developed in conjunction with the Office of Interdisciplinary Programs, that depict exemplary Tech professors discussing and demonstrating various aspects of teaching;
- Directing the Class of 1969 Teaching Fellows Program which gives financial support to, and provides opportunities for, Tech faculty to develop a teaching-related project and to learn about and focus on essential aspects of good teaching;
- Providing information to faculty on availability of facilities and services for support of teaching activities;
- Coordinating and processing the Institute's quarterly instrument (Course/Instructor Opinion Survey) for measuring student opinions of instructional quality;
- Publishing annually updated normative data on the CIOS Survey;
- Soliciting nominees for, and selecting winners of, the student perseverance award, the junior faculty teaching excellence awards, and the GTA outstanding teaching awards;
- Sponsoring and coordinating scheduling for the faculty Toastmasters ("Techmasters") chapter;
- Offering orientations, classes, workshops, seminars, discussion groups, and the Academic Intern program for the graduate teaching assistants of Georgia Tech under the classes of 1957 and 1972 GTA Programs;
- Assisting the Development Office with the Guest Professors program, which matches prominent Georgia Tech alumni with faculty and students;
- Offering a quarterly Distance Learning Workshop involving teaching on video and teaching the working professional.

Source: The Center for the Enhancement of Teaching and Learning

DISTANCE LEARNING, CONTINUING EDUCATION, AND OUTREACH

Distance Learning

Graduate level courses are available throughout the state of Georgia and the nation by videotape. Selected courses are available at some locations by video teleconferencing and satellite. The courses can be taken for professional development or with a degree objective. Qualified candidates are enrolled as regular part-time graduate students. A Master of Science degree can be earned in the fields of:

- Electrical Engineering
- Environmental Engineering
- Health Physics/Radiological Engineering
- Industrial Engineering
- Mechanical Engineering

Students at remote sites receive by mail class handouts and videotapes of campus sessions, and communicate with the instructor by telephone, computer, FAX, and/or e-mail. For a quarterly calendar, call (404) 894-3379, FAX 894-8924, write to Center for Distance Learning, Georgia Institute of Technology, Atlanta, GA 30332-0385 or , e-mail: VBIS@conted.gatech.edu.

Undergraduate courses are delivered by videotape to Georgia Tech co-op students on work quarter. Undergraduate engineering courses are delivered by video teleconferencing to pre-engineering students at other units of the University System.

Courses are delivered via video tape, satellite, video teleconferencing, the State of Georgia distance learning system, and over the Internet. During the 1996-1997 academic year, 110 faculty delivered 132 courses with 1,367 enrollments.

Continuing Education

The Department of Distance Learning, Continuing Education, and Outreach coordinates the delivery of short courses and professional development programs to the public and to individual clients. Programs are held on campus and at selected other locations in the United States and other countries. In collaboration with the Center for Distance Learning, continuing education programs also are delivered by distance learning technologies, including videotape, video teleconferencing, and satellite. The Department of Distance Learning, Continuing Education, and Outreach hosts conferences and provides intensive English instruction for international students and business and professional people. The Center for Distance Learning also coordinates the delivery of academic courses by distance learning technologies.

Short courses, varying in length from one-to-five days, are offered throughout the year to assist professionals with acquiring knowledge of different fields and new technologies. Courses are offered on various topics in engineering, architecture, science, management and computing. Certificate programs, comprised of sequences of these short courses, are offered in the following sixteen areas:

- DataBase Management
- Digital Video Editing
- Graphical User Interface Development
- Internet
- Logistics
- Management Institute
- Material Handling
- Multimedia
- Networking
- Occupational Safety and Health
- Power Systems
- Software Engineering
- Test and Evaluation
- UNIX
- Usability Engineering
- Warehousing

During the 1996-1997 fiscal year over 500 programs were conducted with more than 11,000 participants. For a quarterly calendar of courses, call (404) 894-2547, FAX (404) 894-7398, write to Distance Learning, Continuing Education and Outreach, Georgia Institute of Technology, Atlanta, GA 30332-0385 or e-mail: conted@gatech.edu.

Georgia Tech provides on-site training and education programs for industrial organizations and government agencies. The programs are designed to meet the needs of the organization. During the past year, 101 programs were conducted for single clients. For more information, call (404) 894-8571, FAX (404) 894-0201, write to Distance Learning, Continuing Education, and Outreach Georgia Institute of Technology, Atlanta, GA 30332-0385 or e-mail: conted@gatech.edu.

Fifteen conferences were hosted during the 1996-1997 year with over 1,700 attendees.

Source: Department of Distance Learning, Continuing Education, and Outreach

DISTANCE LEARNING, CONTINUING EDUCATION, AND OUTREACH

Language Institute

The Language Institute offers classes to international students and business and professional people totalling over one thousand. An intensive English program provides six levels of instruction in English as a second language, quarterly, to participants from around the world. The program facilitates the assimilation of international students into campus life in the United States through orientation and assistance in the admissions process to American colleges and universities. The Language Institute also offers courses for business and professional people in English and other languages. For descriptive brochures, call (404) 894-2425, FAX (404) 894-8755, write to Language Institute, Georgia Institute of Technology, Atlanta, Georgia 30332-0374, USA, or e-mail: conted@gatech.edu.

Program Information

Institutional Continuing Education Units (CEU's) for 1996-1997 fiscal year totaled 45,207. Over 600 programs were conducted with over 14,000 participants.

These data represent all public service activity officially reported to the Department of Distance Learning, Continuing Education, and Outreach, in addition to programs coordinated by the department.

Table 4.20 Summary of Continuing Education Units, Fiscal Year 1997

	Number
Programs	629
Attendees	14,176
Continuing Education Units (CEUs)	
Category I	43,545
Category II	1,662

Source: Department of Distance Learning, Continuing Education, and Outreach

ECONOMIC DEVELOPMENT INSTITUTE

Service to Georgia

For more than 35 years, Georgia Tech's Economic Development Institute (EDI) has fostered economic growth throughout the state by serving companies, communities, and entrepreneurs. EDI's staff of 170 engineers, business specialists, and support personnel helped more than 1,200 companies and 125 communities last year.

EDI uses Georgia Tech's diverse resources to improve the competitiveness of Georgia companies and to better prepare its communities for growth. EDI staff are located in close proximity to customers in 18 regional offices and three business incubators across the state and on Georgia Tech's campus in Atlanta.

EDI's Mission

EDI offers a single access point for companies, communities, entrepreneurs, and others seeking technical assistance or information from Georgia Tech.

EDI engages Georgia Tech's capabilities to

- improve the competitiveness of existing companies,
- grow new companies,
- attract companies to Georgia, and
- prepare communities for growth.

Improving existing companies. EDI helps companies improve their productivity and quality, reduce costs, plan expansions, and implement advanced technologies. In the past year, EDI worked with more than 1,200 companies statewide, most of them small to midsize firms. This included one-on-one managerial and technical assistance as well as regional workshops and educational courses offered via satellite downlinks.

Growing new companies. EDI fuels business development in Georgia by supporting high-tech start-up companies at its Advanced Technology Development Center, with business incubator locations in Atlanta and Warner Robins. ATDC's 78 member and graduate companies posted over $266 million in revenue and 2,137 jobs in FY1997. Last year, ATDC opened its third incubator at the new Georgia Center for Advanced Telecommunications Technology in Atlanta.

Attracting companies to Georgia. Increasingly, businesses considering moving to or expanding in Georgia request assistance from Georgia Tech. The university's considerable resources can play a crucial role in a firm's site selection decision. Recognizing the importance of Georgia Tech in the recruitment process, the state Department of Industry, Trade, and Tourism routinely calls on EDI to meet with prospects. In the past two years, EDI has helped more than 50 firms moving to or expanding in Georgia. It also has helped attract subcontracting work to the state.

Preparing communities for growth. EDI's experienced economic development practitioners have strong research and analytical capabilities. This blend of resources allows Georgia Tech to help communities and regions across the state identify and analyze strategic opportunities for development. Through on-site assistance, research projects, feasibility studies, and educational programs, Georgia Tech has served virtually every community in the state.

A Record of Accomplishment: 1996-97 Highlights

- 1,200 companies and 125 communities and economic development organizations served.
- 81% of companies took action on EDI's recommendations.
- 52% of companies report operating cost savings as a result of EDI's recommendations.
- In the past two years, client firms reported $43 million in increased sales.
- More than 50% of Georgia's ISO 9000-registered companies received assistance from Georgia Tech since 1990.
- 6,405 new jobs created by 78 incubator companies over the past 10 years.

Source: Office of the Director, Economic Development Institute

ADVANCED TECHNOLOGY DEVELOPMENT CENTER

The ATDC is part of Georgia Tech's Economic Development Institute and manages the program's new enterprise development activities. It was formed in 1980 by the Governor and General Assembly to stimulate the technology business base in Georgia. ATDC fulfills this objective by providing business assistance to start-up technology companies, supporting technology commercialization ventures, and assisting in economic development efforts in key technological areas around the state.

The ATDC program headquarters is housed in the 83,000 sq. ft. Technology Business Center on the Georgia Tech campus. At that ATDC facility, its Warner Robins location and at the ATDC/GCATT facility, early-stage companies enjoy a strong entrepreneurial working environment, access to professional business consulting, contact with university research faculty, and modern office and laboratory facilities with central staff support. The ATDC provides access to facilities, personnel and students in the University System. Opportunities are thus provided to team up in the development of new processes and products with ATDC's early-stage companies and Georgia Tech researchers, students, and faculty.

In cooperation with other programs at Georgia Tech, the ATDC provides commercialization assistance to move technology toward the marketplace more rapidly. ATDC assistance includes conducting market research, preparing business plans, researching sources of capital, and bringing together all of the elements needed to launch and sustain a successful new business.

The ATDC also assists in economic development efforts in key technological areas around the state of Georgia. The ATDC/Warner Robins is working to encourage the development of new defense and aerospace technology firms. The ATDC provides assistance to entrepreneurs throughout the state in cooperation with EDI's Industrial Extension Service.

Early-stage companies are selected for ATDC membership based upon their application of new technologies in products, processes, or services; quality of the management team; product marketability; and growth potential. ATDC seeks to attract entrepreneurs with technology products or processes possessing a proprietary nature and protected by patent, copyright, or trade secrets. The company should have a strong research and development character, and be able to apply its core technology over time to multiple products.

The ATDC continually provides assistance to Member Companies as they progress in their stages of growth. As the companies grow and flourish, new jobs and new opportunities are created. The eventual goal is for each company to graduate from the program as a successful business enterprise. Many businesses formed at the ATDC are now significant employers in Georgia.

Source: Office of the Director, Advanced Technology Development Center

INFORMATION TECHNOLOGY

The **Office of Information Technology (OIT)** is in the first year of its comprehensive Educational Technology strategy, which includes its Student Computer Ownership initiative, providing students with technology in the classrooms and the dorms, as well as programs to provide faculty with the latest tools and technology in the classrooms.

OIT continues to update the network infrastructure as campus demands for research and educational systems push the envelope of Tech's information architecture. OIT is playing a major role in the development of Internet2, so that Georgia Tech and other Atlanta area institutions can be assured of having unhindered access to the national high-speed networking fabric.

OIT is also continuing to implement administrative systems for the future, following on the success of the BANNER Student Information Systems implementation. In July 1997, the implementation of HR/Payroll and Financial systems from PeopleSoft began.

In addition, OIT recognized that departmental information systems requirements must be addressed. Intranet infrastructure architecture, student Web initiatives, and academic Web initiatives are underway, with all the attendant resource, policy, architecture, and security issues which must be addressed to ensure an equitable and effective implementation. The entire campus faces Year 2000 compliance issues in all its software, computing, and network systems. OIT is organizing an active response to these issues that will permit Tech to operate its information systems effectively into the next century.

OIT, consisting of six directorates, remains committed to providing the highest level of service to our campus customers. Each directorate has specific responsibilities and a focus as outlined below.

Customer Support
In an effort to improve service to the campus, the **Computer Service Specialist (CSS) Program, Customer Support Center (CSC)** and the **Software Distribution Program** have been aligned under one directorate-**Customer Support (CS).**

The **CSS Program** is dedicated to providing full-time, on-site computer and network support for academic, research, and staff organizations across the Georgia Tech campus. It is a formal partnership defined with a Service Level Agreement (SLA) between OIT and the customer organization.

The **Customer Support Center** is the centralized functional support area providing software application and operating system support to all campus users. A primary focus of the CSC is to support the Student Computer Ownership Program. Questions regarding user accounts, Macintosh, DOS/Windows, pop-mail (Eudora Pro), UNIX operating systems, Network File Systems, electronic mail (elm, mail, and mailx) compilers, management tools, utilities, modem support, etc., can be submitted via telephone at 404-894-7173 during business hours (8:00 a.m. - 7:00 p.m. Monday-Thursday, 8:00 p.m. - 5:00 p.m. Friday, and 6:00 p.m. - 9:00 p.m. Sunday), by sending e-mail to support@oit.gatech.edu or via the Web at <http://www.oit.gatech.edu/cs/csc>.

The **Software Distribution Program** continues to leverage the buying power of large groups of campus users and, when appropriate, negotiates site licenses for campus and university system distribution. All three areas are focused on the campus end users and their specific needs in a technological environment.

Educational Technologies
The **Educational Technologies (ET)** Directorate was established in November 1995 to serve as the technology advocate for the academic faculty. Since that time, the department has also taken on the role of providing support services to faculty members who wish to experiment with alternative classroom instructional methods. The focus of the departmental mission is therefore first on teaching and learning, and second on technology. This mission is accomplished through close cooperation and coordination with the academic faculty; the Vice Provost for Undergraduate Studies and Academic Affairs; Center for the Enhancement of Teaching and Learning; Office for Distance Learning, Continuing Education, and Outreach; Library & Information Center; and, other campus organizations.

Services provided by the Educational Technologies Directorate include, but are not limited to, the following:

- General Purpose Computing Laboratories-Eight general purpose computing laboratories are available across campus for faculty/ student use.

- Scientific Visualization Laboratory-The Scientific Visualization Laboratory is dedicated to supporting scientific visualization research and education in the Georgia Tech and Atlanta communities.

- High Performance Computing Group-The High Performance Computing Group provides expertise to faculty and students in accessing and using the high performance computing systems available both on and off campus.

- Faculty Development Program/Workshops-This program concentrates on introducing faculty members to the latest instructional innovations in higher education with a strong emphasis on pedagogical issues first and technology second.

- Educational Technology Resource Center (ETRC)-This facility provides faculty with access to the latest instructional technologies which might be beyond the financial and support considerations of individual departments.

Source: Office of Information Technology's 1997-98 The *Guide to Georgia Tech Computing Services*

INFORMATION TECHNOLOGY

Enterprise Information Systems

Enterprise Information Systems (EIS) designs, implements, and supports Georgia Tech's administrative information systems; develops and maintains the Institute's data repository; researches and evaluates new software tools; and provides information management support to all administrative systems customers on campus.

The **Administrative and Financial Systems Support Team** provides day-to-day assistance to those who use any of the campus' business or student information systems. The team solves software problems and is heavily involved with defining and building Georgia Tech's Intranet.

The **New Systems Implementation Team** provides professional software engineering services for campus programs. The team integrates the best commercially available software products with locally developed enhancements, thereby providing Georgia Tech with "best fit" solutions for campus-wide information needs.

The **Systems Architecture Management, Technical Project Management**, and **Software Quality Assurance** teams provide management and support for the department's software engineering projects. Services provided include: Oracle database administration; quality assurance; configuration management of administrative software; new product research and testing; consultation on documentation preparation and publishing; and project management and tracking.

In July 1997, EIS joined with their functional counterparts in Human Resources, Payroll, and the Business Office to launch a major multi-year effort to replace Tech's aging HR/Payroll and Financial systems. New technologies will be identified and exploited to provide our customers with tools which enhance the effectiveness of the Institute's administrative processes.

Operations and Engineering

Operations and Engineering (O&E) is responsible for the development, operation, management, and maintenance of the OIT computer systems, as well as the data, voice and video communications networks for the Georgia Tech community. The organization consists of the Consolidated Operations Center, Financial Data Processing, Technical Support, and the Engineering Directorate.

The **Consolidated Operations Center** provides for the management and operation of Georgia Tech's central computer systems, telephone operations, dial-in modems, and internal support for other Information Technology groups. The various operating systems supported by OIT reside on a multitude of hardware platforms, most of which are located in the two central site machine rooms in the Rich Building.

Stationed in an expanded Network Operations Center in Rich 133-staffed 24 hours a day/7 days a week-computer operators manage the central site. Operators constantly scan an array of over 30 consoles to ensure system availability, on and off-campus network connectivity, and dial-in access is maintained at an optimum level.

At the I/O (Input/Output) counter in the front lobby of the Rich building, operations staff are available to answer questions regarding system, job, or print status. Adjoining the I/O counter, output bins are maintained for campus users. Private bins are available for users with output of a sensitive nature.

Financial Data Processing (FDP) is responsible for updating and maintaining the integrity of all of the Institute's financial computing applications information. The primary responsibilities of FDP are production scheduling and execution, report generation and distribution, file archiving, backup, and recovery. FDP serves numerous departments including, but not limited to: Payroll and Records Services; Grants and Contracts; Budget Office; Financial Services; Bursars Office; Accounts Payable; Office of Human Resources; and Purchasing; as well as the Institute's financial officers.

Technical Support provides internal support to other groups within OIT. Services include operating system support, system analysis, capacity planning, performance monitoring, accounting, and system tuning. Technical Support also provides services for different computing systems, such as Control Data, Apple Macintosh, IBM VM and MVS, and UNIX systems. In addition, Technical Support also provides primary support for PRISM, a distributed computing environment for UNIX workstations that includes a unified file system, electronic mail, news, World Wide Web, and printing services.

The **Engineering Directorate** is responsible for the design and implementation of data, voice and video services to support the academic, research, and business communities. In addition, Engineering, along with program management assistance from Planning and Programs, is responsible for the implementation of the FutureNet program. FutureNet consists of a series of initiatives to install or significantly upgrade the high bandwidth campus backbone network, internal building wiring, and the analog (CATV) and digital video distribution system. In order to meet these design and implementation demands, Engineering is comprised of the following three teams: **Network Design Team, Advanced Development Group**, and **Backbone Team**.

The **Network Design Team** is available to assist departments with physical network designs as well as any additions, moves, changes, or necessary repairs. This includes fiber and copper cabling, as well as wireless networking. In addition to design and repairs, the Design Team evaluates and recommends network hardware and software for campus workstations and servers. The Design Team also coordinates all campus telephone and pager orders, moves, and repairs. In addition, the Team also evaluates new technologies within its areas of expertise, and plans for their implementation and deployment on the campus.

The **Advanced Development Group (ADG)** provides reliable networked information resources to Tech via the campus data network.

Source: Office of Information Technology's 1997-98 The *Guide to Georgia Tech Computing Services*

INFORMATION TECHNOLOGY

Some of these services are invisible to end users, such as Domain Name Service (DNS) and Network Security. This team also provides information resources such as Simple Mail Transport Protocol (SMTP) based e-mail, mailing lists, USENet News and World Wide Web. Other projects include FutureNet, mobile IP, voice over IP, DHCP, IPv6 and Digital Video.

The **Backbone Team** is responsible for the operation, design, maintenance, monitoring, and troubleshooting of the electronics that connect Georgia Tech computers to each other and to the Internet. The campus network backbone supports over 100 buildings on campus, as well as over 40 dormitories.

Planning and Programs
Planning and Programs' (P&P) primary responsibility is the facilitation of project management for information technology related projects. Other areas of support include information security, policy development, and support for OIT's strategic planning.

Project managers coordinate cross-functional teams in the development and implementation of information technology related projects. Activities include scope and objective definition, requirements analysis, project planning, task scheduling, project execution, and systems transition.

A few of the recent campus-wide projects that P&P have participated in or are currently working on are: FutureNet Stage I and Stage II-upgrade the campus backbone network; EastNet-upgrade network access in student housing; Student Computer Ownership Policy; and campus Year 2000 compliance initiatives.

Other Planning and Programs activities include facilitating development of campus wide information technology policy initiatives, distributing security-related advisory information, and providing technical and administrative support for information technology security incidents.

Resource Management
Resource Management (RM) provides centralized management of the Information Technology's budgetary, purchasing and human resource functions. This office provides both internal and external support to the Office of the Associate Vice President and Associate Vice Provost for Information Technology, as well as the Information Technology departments of the Customer Support, Educational Technologies, Enterprise Information Systems, Operations and Engineering, and Planning and Programs. RM is also responsible for revenue and expense accounting processes related to cost centers; property management; the functions relating to personnel and policies of the Institute and Board of Regents; and management of the electronic data processing (EDP) approval process for all of Georgia Tech. Other services include providing assistance to administrative and academic units of Georgia Tech in coordinating hardware and software purchases and networking services.

The staff assists the Associate Vice President and Associate Vice Provost and his assistant with coordination of Information Technology resources as they relate to the long-range strategic plan. This office also provides reporting requirements for internal, external, federal and state audits. Other areas included under RM are Field Services; OIT Public Relations; and Printing and Copying Services (PCS).

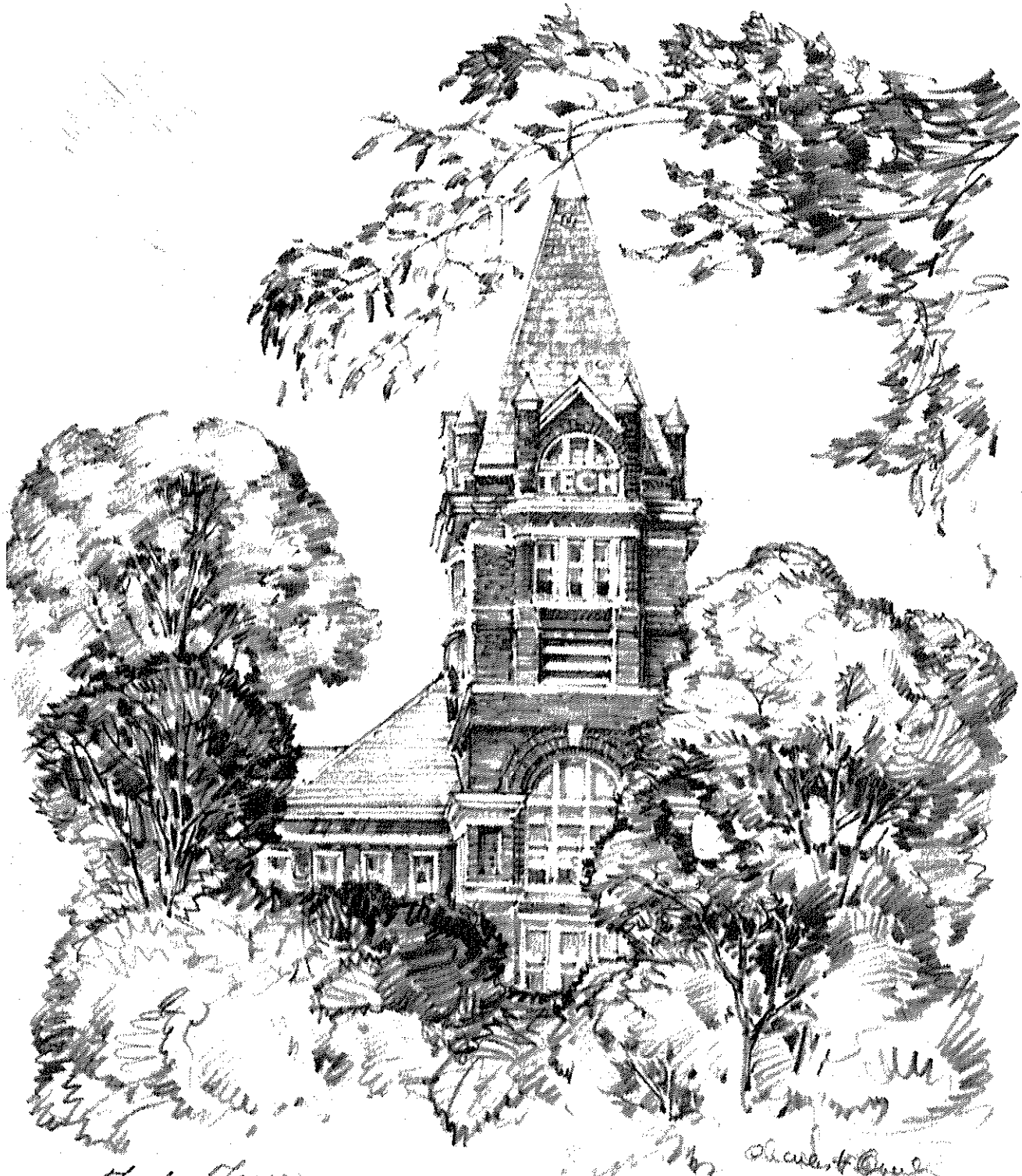
Located at 811 Marietta Street, **Field Services (FS)** provides hardware support services for Georgia Tech faculty and staff for personal computers, printers, monitors and peripherals. Additionally, FS also provides network services and software support. Service is available on a time and material basis or via a service contract which provides support coverage on an annual basis. FS offers on-site services, and carry-in service is available at the 811 Marietta Street location or the Georgia Tech Computer Store, located in the Bookstore Mall. Students and faculty may bring their personally owned systems to the Tech Computer Store for hardware service or repairs.

OIT Public Relations is responsible for all areas of public and media relations for OIT, including use of the Georgia Tech computer network (GTNet), Internet, and World Wide Web to provide immediate access to OIT experts and resources. Public Relations is devoted to moving OIT and Georgia Tech forward in every way, including assuring the most effective use of available communication technology. Printed and World Wide Web publications include: OIT's quarterly newsletter, OIT Update; the annual Guide to Georgia Tech Computing Services; and the OIT Home Page <http://www.oit.gatech.edu>.

Printing and Copying Services (PCS) provides the campus with its only organized reproduction facility and annually processes over 6000 requests for printing related services. PCS is comprised of five functional areas: **Administration, Desktop Publishing, Press Operations, Quick Copy Services, and Finishing Services.**

PCS has two locations: the central facility at 811 Marietta Street and the Research Copy Center (RCC) located in the Centennial Research Building. The central facility is equipped to meet a wide range of printing related needs from black and white copying to multi-color printing of letterheads, envelopes, business cards, forms, newsletters and brochures. RCC, dedicated primarily to the support of the research report and proposal process, provides a rapid-turnaround quick copy service.

Source: Office of Information Technology's 1997-98 The *Guide to Georgia Tech Computing Services*



Tech Tower
Georgia Institute of Technology Atlanta, Georgia

Finances

Georgia Institute of Technology

QUICK FACTS

Revenues

- The total consolidated funds revenues by source for FY 1997 is $552,934,537

- Total revenues by percentage for FY 1997:

Student Tuition & Fees	10.6%
Endowment Income	0.6%
Gifts & Grants	0.0%
Indirect Cost Recoveries	7.3%
Other Sources	1.8%
State Appropriation	33.7%
Departmental Sales & Service	1.1%
Sponsored Operations	30.5%
Scholarships & Fellowships-RI	3.7%
Auxiliary Enterprises	10.5%

Expenditures

- The total consolidated funds expenditures for FY 1997 is $545,743,084

- Total expenditures by percentage for FY 1997:

Instruction	23.2%
Research	37.9%
Public Service	4.9%
Academic Support	4.8%
Student Services	1.4%
Institutional Support	8.8%
Operation of Plant	5.4%
Scholarships & Fellowships-RI	3.9%
Auxiliary Enterprises	9.6%

REVENUES

Table 5.1 Current Funds Revenues by Source, Fiscal Years 1993-97

Source	1992-93	1993-94	1994-95	1995-96	1996-97
STUDENT TUITION AND FEES					
Resident Instruction	$36,745,464	$37,721,779	$38,763,235	$41,473,038	$47,225,764
Continuing Education	4,190,883	4,740,058	5,927,556	6,533,201	6,534,777
Total	**$40,936,347**	**$42,461,837**	**$44,690,791**	**$48,006,239**	**$53,760,542**
ENDOWMENT INCOME					
Resident Instruction	$147,188	$2,096,104	$1,298,862	$679,090	$212,554
Unexpended Plant Funds	1,413,532	1,087,930	4,690,410	3,439,095	2,762,286
Total	**$1,560,720**	**$3,184,034**	**$5,989,272**	**$4,118,185**	**$2,974,840**
GIFTS AND GRANTS					
Resident Instruction	$85,240	$95,496	$125,716	$625,264	$22,501
Georgia Tech Research Institute	500	0	11,500	0	25,000
Agricultural Research	—	—	—	5,000	—
Unexpended Plant Funds	45,000	0	5,386,384	3,854,228	96,818
Total	**$130,740**	**$95,496**	**$5,523,600**	**$4,484,492**	**$144,319**
INDIRECT COST RECOVERIES					
Resident Instruction	$11,325,619	$9,289,286	$11,139,644	$16,013,982	$18,233,490
Georgia Tech Research Institute	17,792,604	16,433,249	16,725,373	17,422,985	17,755,662
Advanced Tech. Development Center	9,635	169,854	896,755	931,773	1,029,508
Continuing Education	101,102	41,144	44,907	1,227	8,952
Center for Rehabilitation Technology	104,562	58,278	103,066	87,431	89,745
Total	**$29,333,522**	**$25,991,811**	**$28,909,745**	**$34,457,397**	**$37,117,357**
OTHER SOURCES					
Resident Instruction	$1,942,352	$4,308,278	$5,012,853	$3,751,403	$8,360,593
Continuing Education	11,839	(188)	167	42	72,792
Georgia Tech Research Institute	2,409,088	1,720,362	824,876	265,007	102,509
Advanced Tech. Development Center	720	15,176	208,255	17,170	123,580
Center for Rehabilitation Technology	1,444	423	0	0	0
Unexpended Plant Funds	2,546,679	3,891,734	4,561,833	225,078	366,702
Total	**$6,912,122**	**$9,935,785**	**$10,607,984**	**$4,258,699**	**$9,026,175**
STATE APPROPRIATION					
Resident Instruction	$93,545,787	$108,793,849	$120,224,391	$127,855,803	$148,372,149**
Continuing Education	512,454	536,610	708,692	581,050	567,828
Georgia Tech Research Institute	9,769,718	10,949,337	12,168,840	15,327,491	8,722,851
Agricultural Research	1,145,984	1,206,367	1,368,321	1,558,091	1,489,499
Advanced Tech. Development Center	1,508,913	1,550,621	2,569,066	2,092,503	6,944,157
Center for Rehabilitation Technology	911,815	940,348	981,622	1,019,568	1,004,586
Unexpended Plant Funds	0	6,500	4,804,000	1,024,450	3,304,383
Total	**$107,394,671**	**$123,983,632**	**$142,824,932**	**$149,458,956**	**$170,405,453**
DEPARTMENTAL SALES AND SERVICE					
Resident Instruction	$1,365,542	$2,185,740	$2,222,055	$3,796,872	$4,625,861
Georgia Tech Research Institute	—	—	—	498,382	499,550
Advanced Tech. Development Center	—	—	396,500	523,450	406,726
Center for Rehabilitation Technology	—	—	—	—	352
Total	**$1,365,542**	**$2,185,740**	**$2,618,555**	**$4,818,704**	**$5,532,488**
SPONSORED OPERATIONS					
Resident Instruction	$51,274,711	$55,545,318	$65,050,704	$78,288,567	$80,234,187
Continuing Education	876,711	681,987	1,103,640	1,194,754	1,291,849
Georgia Tech Research Institute	64,246,359	61,085,574	60,344,225	61,620,939	65,800,718

Source: Office of the Associate Vice President, Budget and Planning

REVENUES

Table 5.1 Current Funds Revenues by Source, Fiscal Years 1993-97 – *Continued*

Source	1992-93	1993-94	1994-95	1995-96	1996-97
Advanced Tech. Development Center	36,012	667,399	3,584,658	4,797,572	4,833,452
Center for Rehabilitation Technology	749,087	1,333,867	1,367,561	1,729,677	2,017,979
Total	**$117,182,880**	**$119,314,145**	**$131,450,787**	**$147,631,509**	**$154,178,185**
SCHOLARSHIPS & FELLOWSHIPS-RI	$11,442,790	$10,663,280	$13,297,594	$16,130,772	$18,929,977
AUXILIARY ENTERPRISES	$35,281,176	$37,500,399	$41,814,651	$48,478,497	$53,035,295
GEORGIA TECH ATHLETIC ASSN.	$14,340,072	$17,304,278	$17,210,757	$17,448,722	$18,444,725
STUDENT ACTIVITIES	$2,564,133	$2,712,086	$2,829,543	$3,126,645	$3,483,256
GEORGIA TECH FOUNDATION, INC.	$10,245,353	$15,083,356	$9,890,077	$17,001,423	$15,214,719
GEORGIA TECH RESEARCH CORP.	$7,678,356	$6,175,234	$7,093,770	$8,561,038	$10,687,206
TOTAL REVENUE					
Resident Instruction	$207,874,693	$230,699,129	$257,135,054	$288,614,790	$326,217,076
Georgia Tech Research Institute	94,218,269	90,188,523	90,074,814	95,134,803	92,906,289 ***
Continuing Education	5,692,989	5,999,612	7,784,961	8,310,274	8,476,198
Agricultural Research	1,145,984	1,206,367	1,368,321	1,563,091	1,489,499
Advanced Tech. Development Center	1,555,280	2,403,050	7,655,233	8,362,468	13,337,423 ***
Center for Rehabilitation Technology	1,766,908	2,332,916	2,452,249	2,836,676	3,112,662
Auxiliary Enterprises	35,281,176	37,500,399	41,814,651	48,478,497	53,035,295
Georgia Tech Athletic Association	14,340,072	17,304,278	17,210,757	17,448,722	18,444,725
Student Activities	2,684,629	2,712,086	2,829,543	3,126,645	3,483,256
Georgia Tech Foundation, Inc.	10,245,353	15,083,356	9,890,077	17,001,423	15,214,719
Georgia Tech Research Corp.	7,678,356	6,175,234	7,093,770	8,561,038	10,687,206
Unexpended Plant Funds	4,005,211	4,986,165	19,442,626	8,542,851	6,530,190
Total	**$386,368,423**	**$416,591,115**	**$464,752,056**	**$507,981,278**	**$552,934,537**

Table 5.2 Consolidated Revenues by Percentage, Fiscal Years 1993-97

Source	1992-93	1993-94	1994-95	1995-96	1996-97
Resident Instruction	53.80%	55.38%	55.33%	56.82%	59.00%
Georgia Tech Research Institute	24.39%	21.65%	19.38%	18.73%	16.80%
Continuing Education	1.47%	1.44%	1.67%	1.63%	1.52%
Agricultural Research	0.30%	0.29%	0.29%	0.31%	0.27%
Advanced Technology Development Center	0.40%	0.58%	1.65%	1.65%	2.41%
Center for Rehabilitation Technology	0.46%	0.56%	0.53%	0.56%	0.56%
Auxiliary Enterprises	9.13%	9.00%	9.00%	9.54%	9.59%
Georgia Tech Athletic Association	3.71%	4.15%	3.70%	3.43%	3.34%
Student Activities	0.66%	0.65%	0.61%	0.62%	0.63%
Georgia Tech Foundation, Inc.	2.65%	3.62%	2.13%	3.35%	2.75%
Georgia Tech Research Corporation	1.99%	1.48%	1.53%	1.69%	1.93%
Unexpended Plant Funds	1.04%	1.20%	4.18%	1.68%	1.18%
Total	**100%**	**100%**	**100%**	**100%**	**100%**

Note: Effective FY 1993-94, the Georgia Tech Athletic Association financial statements are consolidated with the Alexander-Tharpe Fund, Inc. The Alexander-Tharpe Fund, Inc. raises funds to reimburse the Association for certain scholarship related expenses.

** The State Appropriation for Resident Instruction in FY 1996-97 includes $5,561,738 that has been placed in reserve for Georgia Research Alliance programs.

*** FY 1996-97 reflects the transfer of the Economic Development Institute from the Georgia Tech Research Institute to the Advanced Technology Development Center.

Source: Office of the Associate Vice President, Budget and Planning

REVENUES

Fig. 5.1 Current Funds Revenues
Fiscal Year 1997: $505.1 Million

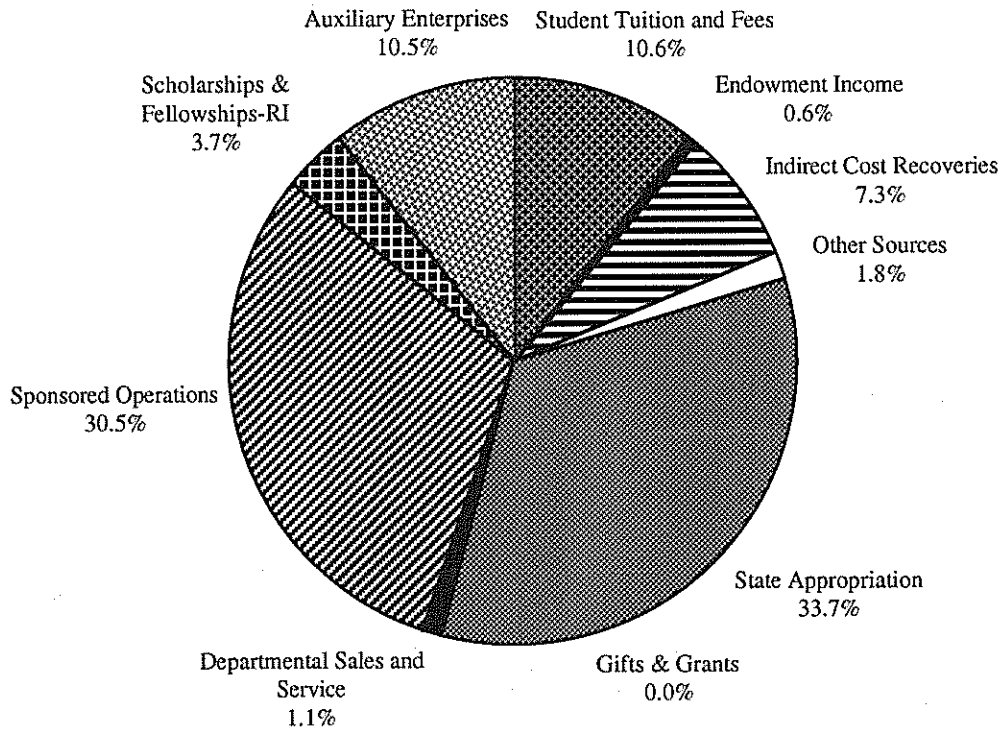
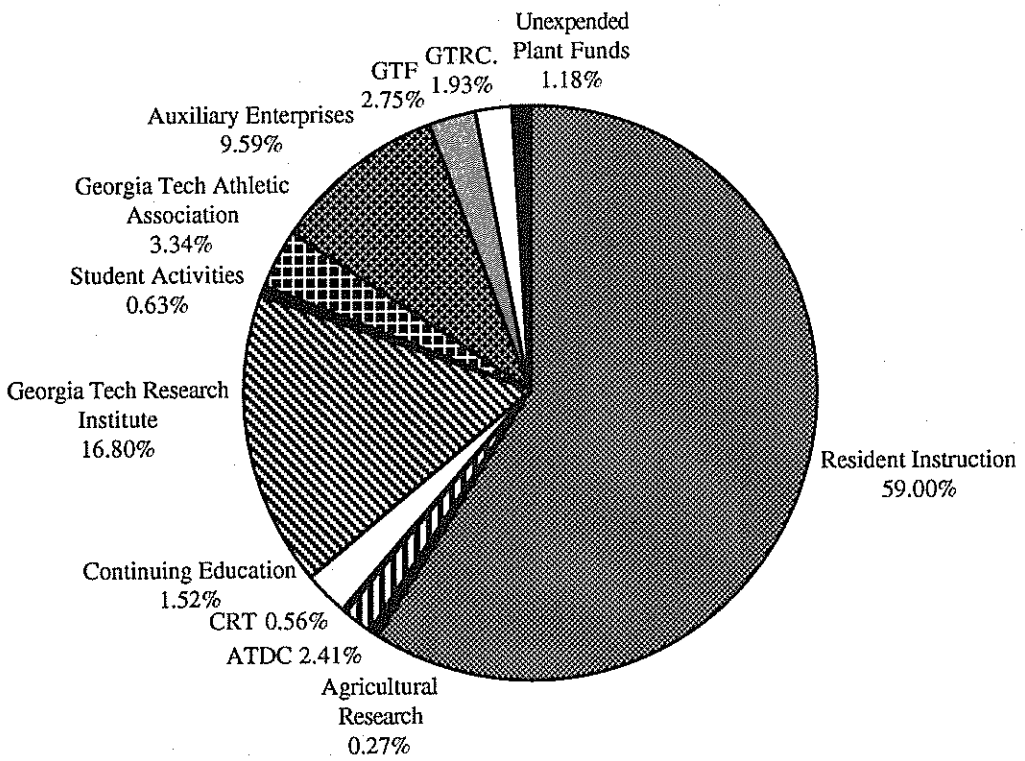


Fig. 5.2 Consolidated Revenues
Fiscal Year 1997: $553 Million



Source: Office of the Associate Vice President, Budget and Planning

EXPENDITURES

Table 5.3 Current Funds Expenditures, Fiscal Years 1993-97

Area	1992-93	1993-94	1994-95	1995-96	1996-97
INSTRUCTION					
Resident Instruction					
State	$64,825,464	$71,390,913	$79,361,373	$82,104,230	$89,493,019
Departmental	—	473,642	511,619	1,947,681	2,668,248
Sponsored	9,938,554	9,924,511	11,339,937	12,422,689	12,506,071
Subtotal Resident Instruction	$74,764,017	$81,789,066	$91,212,929	$96,474,600	$104,667,338
Continuing Education					
State	4,897,627	5,210,340	6,394,943	6,954,051	7,071,227
Sponsored	876,711	681,987	1,103,640	1,124,441	1,246,535
Subtotal Continuing Education	$5,774,337	$5,892,327	$7,498,583	$8,078,492	$8,317,762
Advanced Technology Development Center					
Sponsored	—	—	—	—	214,484
Subtotal ATDC	$0	$0	$0	$0	$214,484
Total Instruction	**$80,538,355**	**$87,681,393**	**$98,711,512**	**$104,553,091**	**$113,199,584**
RESEARCH					
Resident Instruction					
State	$20,439,167	$27,691,146	$25,754,573	$33,453,798	$43,850,730
Departmental	—	—	—	75,032	13,311
Sponsored	36,966,027	41,309,601	47,906,420	58,357,385	60,857,428
Subtotal Resident Instruction	$57,405,194	$69,000,747	$73,660,993	$91,886,215	$104,721,469
Georgia Tech Research Institute					
State	14,537,749	14,556,868	16,442,027	17,733,643	14,537,155
Departmental	—	—	—	498,382	191,453
Sponsored	62,343,959	59,503,631	58,648,566	59,129,915	63,079,383
Subtotal GT Research Institute	$76,881,708	$74,060,499	$75,090,593	$77,361,940	$77,807,991
Agricultural Research					
State	—	—	13,242	12,700	11,370
Subtotal Agricultural Research	$0	$0	$13,242	$12,700	$11,370
Continuing Education					
State	—	—	—	51	0
Sponsored	—	—	—	31,179	28,394
Subtotal Continuing Education	$0	$0	$0	$31,230	$28,394
Advanced Technology Development Center					
State	—	—	1,076,391	956,286	1,208,084
Sponsored	—	387,597	2,462,710	3,078,991	969,462
Subtotal ATDC	$0	$387,597	$3,539,101	$4,035,277	$2,177,546
Total Research	**$134,286,902**	**$143,448,843**	**$152,303,929**	**$173,327,362**	**$184,746,770**
PUBLIC SERVICE					
Resident Instruction					
State	$223,788	$162,092	$278,659	$340,259	$458,509
Sponsored	2,549,525	2,428,601	3,021,483	3,994,898	3,811,748
Subtotal Resident Instruction	$2,773,314	$2,590,693	$3,300,142	$4,335,156	$4,270,257
Georgia Tech Research Institute					
State	4,569,242	4,585,707	3,706,351	4,572,534	1,351,803
Departmental	—	—	—	—	308,097
Sponsored	1,902,398	1,581,943	1,695,659	2,491,024	2,721,335
Subtotal GT Research Institute	$6,471,640	$6,167,650	$5,402,010	$7,063,557	$4,381,235
Agricultural Research					
State	1,145,984	1,206,367	1,355,079	1,550,391	1,478,129
Subtotal Agricultural Research	$1,145,984	$1,206,367	$1,355,079	$1,550,391	$1,478,129
Advanced Technology Development Center					
State	1,255,096	1,484,834	2,325,257	1,710,895	6,401,645
Departmental	—	—	396,500	523,450	406,726

Source: Office of the Associate Vice President, Budget and Planning

EXPENDITURES

Table 5.3 Current Funds Expenditures, Fiscal Years 1993-97 – *Continued*

Area	1992-93	1993-94	1994-95	1995-96	1996-97
Sponsored	36,012	279,802	1,121,947	1,718,581	3,649,506
Subtotal ATDC	$1,291,108	$1,764,636	$3,843,704	$3,952,927	$10,457,877
Center for Rehabilitation Technology					
State	951,081	939,188	1,050,117	1,084,687	1,075,819
Departmental	—	—	—	—	352
Sponsored	749,087	1,333,867	1,367,561	1,729,677	2,017,979
Subtotal Center for Rehab. Tech.	$1,700,168	$2,273,055	$2,417,678	$2,814,364	$3,094,150
Continuing Education					
State	—	—	—	—	340
Sponsored	—	—	—	39,135	16,919
Subtotal Continuing Education	$0	$0	$0	$39,135	$17,260
Total Public Service	**$13,382,214**	**$14,002,401**	**$16,318,613**	**$19,755,530**	**$23,698,908**
ACADEMIC SUPPORT					
Resident Instruction					
State	$14,124,765	$16,699,722	$19,031,921	$20,522,428	$23,434,294
Departmental	513,332	78,167	152,124	174,201	65,584
Sponsored	78,439	90,773	580,188	251,342	122,550
Total Academic Support	**$14,716,536**	**$16,868,662**	**$19,764,233**	**$20,947,971**	**$23,622,428**
STUDENT SERVICES					
Resident Instruction					
State	$5,852,088	$6,223,279	$5,793,143	$6,340,986	$6,860,549
Departmental	11,500	0	6,000	18,037	944
Sponsored	90,636	255,852	88,646	407,504	63,304
Total Student Services	**$5,954,223**	**$6,479,131**	**$5,887,789**	**$6,766,527**	**$6,924,797**
INSTITUTIONAL SUPPORT					
Resident Instruction					
State	$22,386,947	$23,968,524	$25,954,863	$29,149,443	$31,166,195
Departmental	62,479	61,471	50,714	100,011	123,763
Sponsored	1,651,530	1,471,073	2,084,653	2,848,947	2,778,790
Subtotal Resident Instruction	$24,100,956	$25,501,068	$28,090,230	$32,098,401	$34,068,748
Continuing Education					
State	34,304	36,726	54,888	79,910	50,179
Subtotal Continuing Education	$34,304	$36,726	$54,888	$79,910	$50,179
Georgia Tech Research Institute					
State	8,612,642	7,575,560	7,218,539	8,433,951	8,606,818
Subtotal GT Research Institute	$8,612,642	$7,575,560	$7,218,539	$8,433,951	$8,606,818
Advanced Technology Development Center					
State	49,716	54,079	65,031	71,760	158,163
Subtotal ATDC	$49,716	$54,079	$65,031	$71,760	$158,163
Center for Rehabilitation Technology					
State	11,800	14,509	19,304	22,591	20,590
Subtotal Center for Rehab. Tech.	$11,800	$14,509	$19,304	$22,591	$20,590
Total Institutional Support	**$32, 809,417**	**$33,181,942**	**$35,447,991**	**$40,706,613**	**$42,904,498**
OPERATION OF PLANT					
Resident Instruction					
State	$15,875,372	$16,024,792	$20,333,447	$18,873,479	$22,100,889
Departmental	778,231	1,572,461	1,501,599	1,481,910	1,754,012
Sponsored	—	64,907	29,377	5,803	94,295
Subtotal Resident Instruction	$16,653,603	$17,662,160	$21,864,423	$20,361,192	$23,949,196
Continuing Education					
State	72,393	70,558	220,056	81,507	82,399

Source: Office of the Associate Vice President, Budget and Planning

EXPENDITURES

Table 5.3 Current Funds Expenditures, Fiscal Years 1993-97– *Continued*

Area	1992-93	1993-94	1994-95	1995-96	1996-97
Subtotal Continuing Education	$72,393	$70,558	$220,056	$81,507	$82,399
Georgia Tech Research Institute					
State	2,193,988	2,384,814	2,363,672	2,275,355	2,109,760
Subtotal GT Research Institute	$2,193,988	$2,384,814	$2,363,672	$2,275,355	$2,109,760
Advanced Technology Development Center					
State	201,731	196,738	203,475	304,732	373,336
Subtotal ATDC	$201,731	$196,738	$203,475	$304,732	$373,336
Center for Rehabilitation Technology					
State	1,965	45,352	19,551	729	2,633
Subtotal Center for Rehab. Tech.	$1,965	$45,352	$19,551	$729	$2,633
Total Operation of Plant	**$19,123,681**	**$20,359,622**	**$24,671,178**	**$23,023,514**	**$26,517,324**
SCHOLARSHIPS & FELLOWSHIPS-RI	$11,442,791	$10,663,280	$13,297,594	$16,130,772	$18,929,977
AUXILIARY ENTERPRISES	$31,333,295	$33,656,042	$38,102,086	$43,017,956	$46,756,352
GEORGIA TECH ATHLETIC ASSN.	$14,342,013	$15,737,157	$16,070,311	$18,086,117	$18,502,512
STUDENT ACTIVITIES	$2,690,688	$2,753,846	$2,805,253	$3,029,108	$3,305,317
GEORGIA TECH FOUNDATION, INC.	$9,145,176	$9,935,536	$12,273,990	$15,690,380	$10,663,203
GEORGIA TECH RESEARCH CORP.	$6,671,684	$6,644,182	$6,869,109	$8,544,244	$7,989,481
UNEXPENDED PLANT FUNDS	$4,005,211	$4,986,165	$19,384,406	$8,542,851	$6,530,190
UNASSIGNED BALANCE					
Resident Instruction	$64,060	$144,324	$56,721	($386,043)	$5,062,867 **
Georgia Tech Research Institute	58,291	0	0	0	485
Continuing Education	(188,045)	0	11,434	0	(19,796)
Agricultural Research	0	0	0	0	0
Adv. Technology Development Center	12,725	0	3,922	(2,228)	(43,983)
Unexpended Plant Funds	0	0	58,220	0	0
Center for Rehabilitation Technology	52,974	0	(4,284)	(1,008)	(4,711)
Total Unassigned Balance	**$6**	**$144,324**	**$126,013**	**($389,278)**	**$4,994,861**
RESERVE / SURPLUS					
Auxiliary Enterprises	$3,947,881	$3,844,357	$3,712,565	$5,460,541	$6,278,943
Student Activities	(126,555)	(41,760)	24,290	97,537	177,939
Total Reserve/Surplus	**$3,821,326**	**$3,802,597**	**$3,736,855**	**$5,558,078**	**$6,456,882**
TOTAL EXPENDITURES					
Resident Instruction					
State	$143,727,591	$162,160,468	$176,507,979	$190,784,622	$217,364,184
Departmental	1,365,542	2,185,740	2,222,056	3,796,872	4,625,861
Sponsored	51,274,710	55,545,318	65,050,704	78,288,567	80,234,187
Unassigned Balance	64,060	144,324	56,721	(386,043)	5,062,867
Scholarships & Fellowships	11,442,791	10,663,280	13,297,594	16,130,772	18,929,977
Total Resident Instruction	$207,874,693	$230,699,130	$257,135,054	$288,614,790	$326,217,076
Continuing Education	5,692,989	5,999,612	7,784,961	8,310,274	8,476,198
Georgia Tech Research Institute	94,218,270	90,188,523	90,074,814	95,134,803	92,906,289 ***
Agricultural Research	1,145,984	1,206,367	1,368,321	1,563,091	1,489,499
Adv. Tech. Development Center	1,555,280	2,403,050	7,655,233	8,362,468	13,337,423 ***

Source: Office of the Associate Vice President, Budget and Planning

EXPENDITURES

Table 5.3 Current Funds Expenditures, Fiscal Years 1993-97 – *Continued*

Area	1992-93	1993-94	1994-95	1995-96	1996-97
Center for Rehab. Technology	1,766,908	2,332,916	2,452,249	2,836,676	3,112,662
Auxiliary Enterprises	35,281,176	37,500,399	41,814,651	48,478,497	53,035,295
Georgia Tech Athletic Association	14,342,013	15,737,157	16,070,311	18,086,117	18,502,512
Student Activities	2,564,133	2,712,086	2,829,543	3,126,645	3,483,256
Georgia Tech Foundation, Inc.	9,145,176	9,935,536	12,273,990	15,690,380	10,663,203
Georgia Tech Research Corp.	6,671,684	6,644,182	6,869,109	8,544,244	7,989,481
Unexpended Plant Funds	4,005,211	4,986,165	19,442,626	8,542,851	6,530,190
INSTITUTE TOTAL	**$384,263,516**	**$410,345,122**	**$465,770,862**	**$507,290,837**	**$545,743,084**

Note: Effective FY 1993-94, the Georgia Tech Athletic Association financial statements are consolidated with the Alexander-Tharpe Fund, Inc. The Alexander-Tharpe Fund, Inc. raises funds to reimburse the Association for certain scholarship related expenses.

** The State Appropriation for Resident Instruction in FY 1996-97 includes $5,561,738 that has been placed in reserve for Georgia Research Alliance programs.

*** FY 1996-97 reflects the transfer of the Economic Development Institute from the Georgia Tech Research Institute to the Advanced Technology Development Center.

Source: Office of the Associate Vice President, Budget and Planning

EXPENDITURES

Fig. 5.3 Resident Instruction Expenditures
Fiscal Year 1997: $326.2 Million

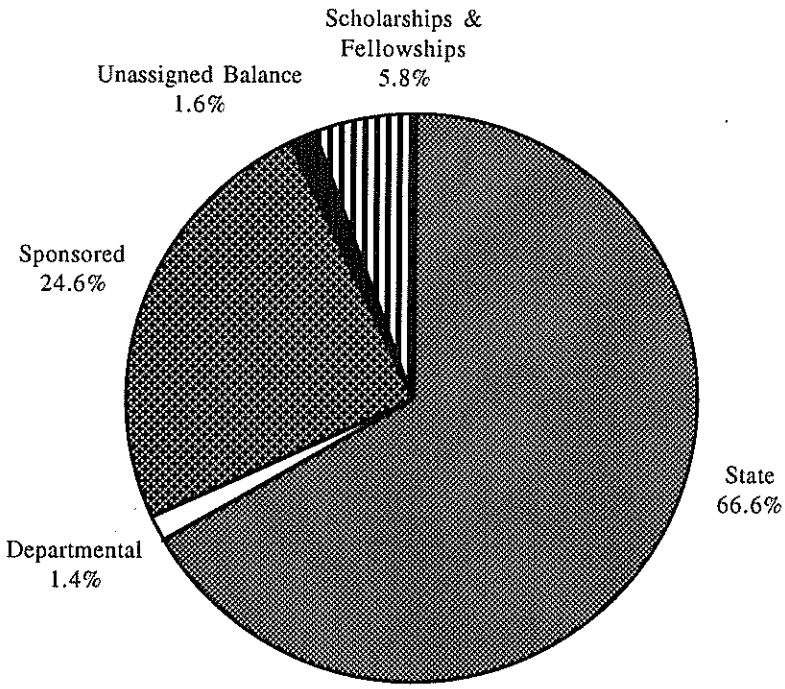
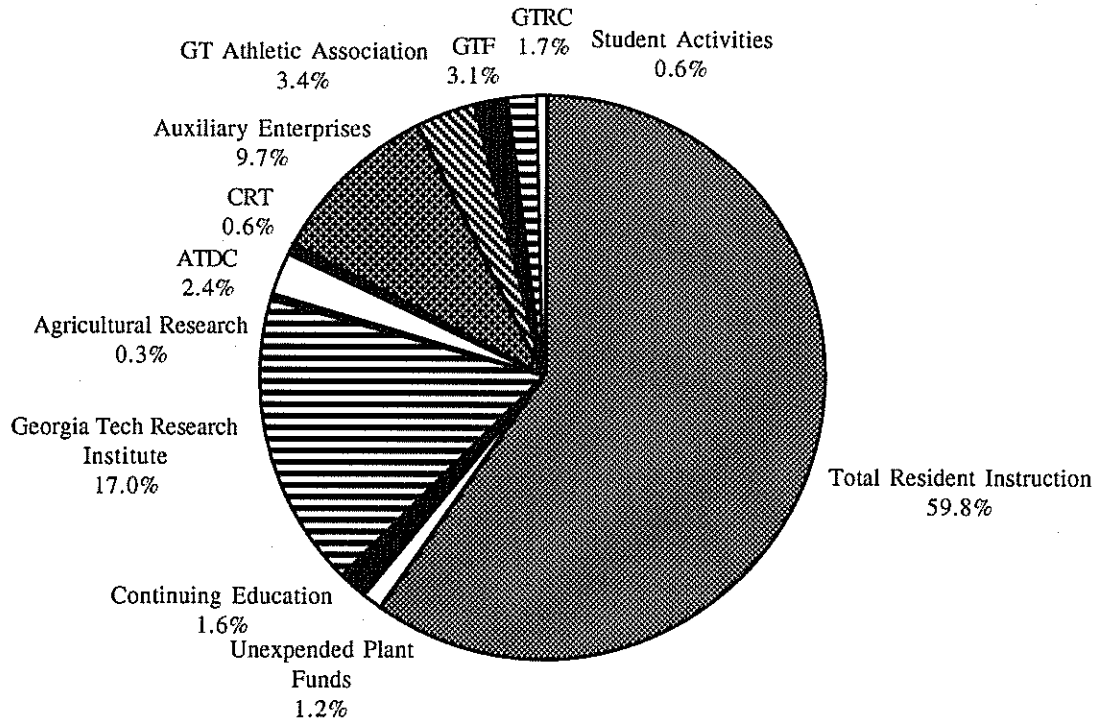


Fig. 5.4 Consolidated Expenditures
Fiscal Year 1997: $545.7 Million



Source: Office of the Associate Vice President, Budget and Planning

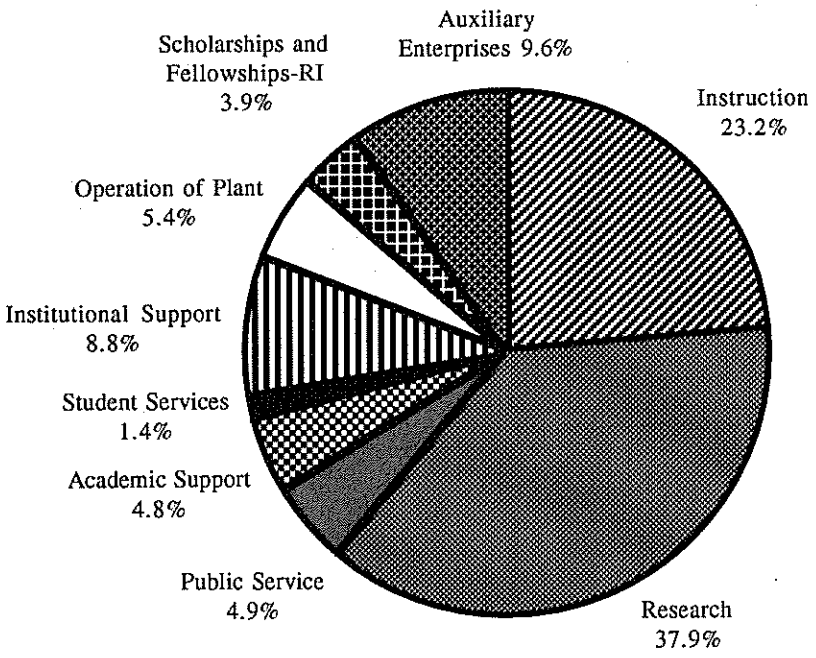
FINANCIAL DATA BY PERCENTAGE

Table 5.4 Current Funds by Percentage, Fiscal Years 1993-97

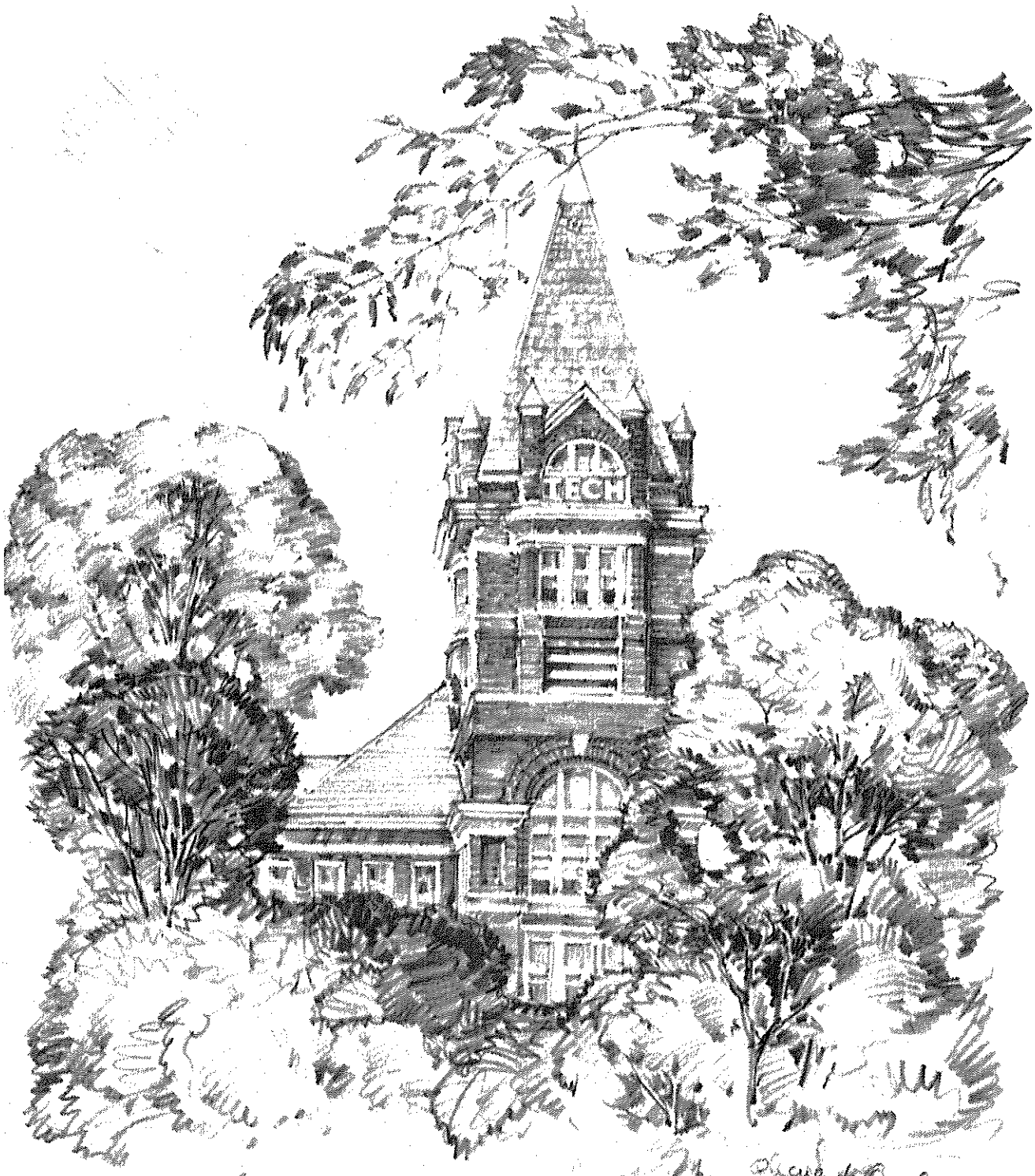
Area	1992-93	1993-94	1994-95	1995-96	1996-97
	Revenues				
Student Tuition & Fees	11.7%	11.3%	10.4%	10.4%	10.6%
Endowment Income	0.4%	0.9%	1.4%	0.9%	0.6%
Gifts & Grants	0.0%	0.0%	1.3%	1.0%	0.0%
Indirect Cost Recoveries	8.3%	6.9%	6.8%	7.5%	7.3%
Other Sources	2.0%	2.7%	2.5%	0.9%	1.8%
State Appropriation	30.6%	33.0%	33.4%	32.4%	33.7%
Departmental Sales & Service	0.4%	0.6%	0.6%	1.0%	1.1%
Sponsored Operations	33.3%	31.8%	30.7%	32.0%	30.5%
Scholarships & Fellowships-RI	3.3%	2.8%	3.1%	3.5%	3.7%
Auxiliary Enterprises	10.0%	10.0%	9.8%	10.5%	10.5%
TOTAL	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Function	1992-93	1993-94	1994-95	1995-96	1996-97
	Expenditures				
Instruction	23.4%	23.9%	24.4%	23.3%	23.2%
Research	39.2%	39.1%	37.6%	38.7%	37.9%
Public Service	3.9%	3.8%	4.0%	4.4%	4.9%
Academic Support	4.3%	4.6%	4.9%	4.6%	4.8%
Student Services	1.7%	1.8%	1.5%	1.5%	1.4%
Institutional Support	9.5%	9.1%	8.8%	9.1%	8.8%
Operation of Plant	5.6%	5.6%	6.1%	5.1%	5.4%
Scholarships and Fellowships-RI	3.3%	2.9%	3.3%	3.6%	3.9%
Auxiliary Enterprises	9.1%	9.2%	9.4%	9.6%	9.6%
TOTAL	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Fig. 5.5 Current Funds Expenditures by Function
Fiscal Year 1997: $487.3 Million



Source: Office of the Associate Vice President, Budget and Planning



Tech Tower
Georgia Institute of Technology Atlanta, Georgia

Research

Georgia Institute of Technology

QUICK FACTS

Research

- Research Proposals and Awards for Fiscal Year 1997:

	Proposal	Award
College of Engineering	$129,197,397	$52,241,764
College of Sciences	$55,695,944	$16,472,500
College of Architecture	$22,959,492	$1,817,423
College of Computing	$32,114,101	$6,423,365
Ivan Allen College	$4,224,729	$1,787,567
Research Centers	$16,072,690	$15,461,441
Georgia Tech Research Institute	$219,220,175	$103,061,780
Institute Total	**$479,484,528**	**$197,265,840**

- The Georgia Tech Research Corporation, founded in 1937, has current revenues of $179,486,845
- Since its inception in 1937, the Georgia Tech Research Corporation has administered nearly $2.27 billion in sponsored grants and contracts in support of Georgia Tech
- The Georgia Tech Research Institute has 1,196 employees, including 494 full time engineers and scientists, and 279 full-time support staff members
- Among GTRI's full-time research faculty, 81 percent hold advanced degrees
- Nearly 1,000,000 square feet of floor space is devoted to research on the Georgia Tech campus, including several off-campus facilities
- Georgia Tech currently has a network of over 60 interdisciplinary centers that cut across traditional academic disciplines

RESEARCH SCOPE

Georgia Tech is a major center for advanced technology in Georgia and the Southeast. With a full-time general faculty of more than 1500 and a graduate student population in excess of 3,500, the Institute conducts research of national significance, provides research services and facilities to faculty, students, industry, and government agencies, and supports the economic and technological growth of the state. Research operations are carried out through schools, centers, and laboratories, each performing research in a particular field of interest.

Most of the research is supported by contracts with government organizations and private industry. The Georgia Tech Research Corporation, a nonprofit organization incorporated under the laws of the state of Georgia, serves as the contracting agency. It also handles patent and other financial and administrative research matters.

Georgia Tech is proud of the diversity and strength of its research programs. Important areas of research activity include: acoustics, bioengineering and biosciences, combustion, computer technology and applications, domestic and international economic development, electronics (including electronic techniques and components, antennas, microelectronics, electromagnetics and optoelectronics), energy, environmental science and technology, fusion, manufacturing, materials, mechanics, rotary wing aircraft, signal processing, structures, telecommunications, transportation, and tribology.

Recent significant research achievements include: improved transdermal transport of drugs through the use of microneedles; the use of virtual reality to analyze proposed horizontal and vertical road designs; the generation of electricity through the country's largest rooftop solar-powered energy system, the 342-kilowatt photovoltaic system at the Aquatic Center; the sequencing and analysis of Methanococcus jannashii, the first representative of archeon (one of the three known original forms of life); the study of the effect of Earth's gravity on the evolution of microstructure during liquid phase sintering; breakthroughs in the search for new chemotherapeutic agents for the treatment of cancer through interruption of cell signaling; the development of new anti-AIDS compounds, modeled after azo dyes; the solution to a 1913 problem of Polya concerned with computing permanents of square 0-1 matrices; a chemical reaction in what may be the world's smallest set of test tubes (carbon nanotubes with inside diameters of less than ten nanometers and lengths of just one micron); the development of a chemical muscle for a flapping wing device to be used on micro flying vehicles; and the construction of a prototype hydrogen-fueled, electric-powered transit bus that produces nearly zero emissions.

Nearly one million square feet of floor space is devoted to research incorporating a number of buildings on the Georgia Tech campus, as well as several off-campus facilities. About 50 percent of the research and extension activities are managed by the Georgia Tech Research Institute, and 50 percent are managed by centers and academic schools and colleges.

Table 6.1 Extramural Support, Fiscal Years 1988-97

	Proposal Submission		New Research Awards	
Fiscal Year	Count	Amount	Count	Amount
1988	1,793	536,005,553	955	119,006,391
1989	1,718	400,762,894	1,109	130,853,396
1990	1,514	508,863,330	1,661	142,972,554
1991	1,402	320,446,962	1,678	155,590,067
1992	1,550	566,693,885	1,763	141,712,725
1993	1,672	556,812,271	1,777	162,931,920
1994	1,684	538,317,577	2,054	162,017,212
1995*	1,778	565,575,482	1,572	185,788,012
1996*	1,749	482,551,249	1,526	173,993,372
1997*	1,785	479,484,528	1,657	197,265,840

* Figures do not include internal awards to Resident Instruction from GTF and GTRC.

Source: Office of the Vice President for Research and Graduate Programs

RESEARCH SCOPE

Table 6.2 Research Grants and Contracts* by Awarding Agency, Fiscal Year 1997

Awarding Agency	Amount	Percent of Total
U. S. Air Force	$ 32,367,315	18.0
U. S. Army	28,602,014	15.9
U. S. Navy	11,254,564	6.3
U. S. Department of Defense	9,173,840	5.1
U. S. Department of Energy	1,979,087	1.1
U. S. Department of Health and Human Services	2,968,242	1.6
U. S. Department of Treasury	24,999	0.0
U.S. Department of Interior	180,686	0.1
Environmental Protection Agency	1,918,430	1.0
National Aeronautics & Space Administration	7,956,623	4.4
National Science Foundation	16,864,494	9.4
Other Federal Agencies	3,897,679	2.2
Total Federal Government	**$117,187,973**	**65.1**
State and Local Governments	7,315,166	4.1
Miscellaneous, Industrial and Other	55,353,372	30.8
GRAND TOTAL	**$179,856,511**	**100.0**

* This summary includes research only and does not include other extramural support such as fellowships, traineeships, training grants, sponsored instruction, instructional equipment grants and gifts or grants awarded through the Georgia Tech Foundation.

Table 6.3 Awards Summary by Unit, Fiscal Years 1992-97**

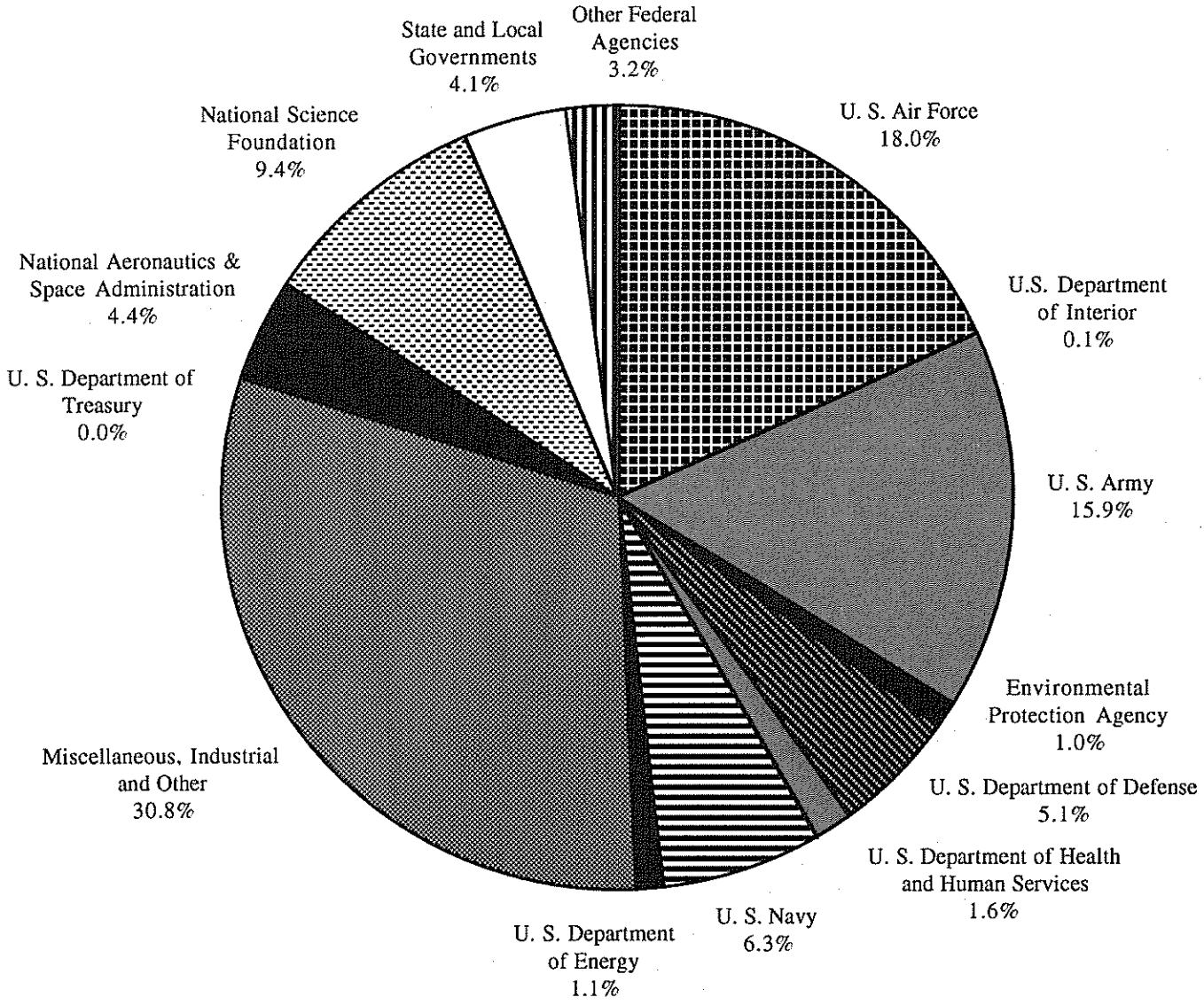
Unit	1992	1993	1994	1995	1996	1997
			Number			
Engineering	434	417	422	482	508	573
Architecture	39	40	60	38	33	35
Computing	79	44	58	58	49	63
Ivan Allen	10	21	16	27	24	17
Sciences	153	150	161	195	173	183
Research Centers	70	63	239	263	213	240
GTRI	427	463	503	509	526	546
Total	**1,212**	**1,198**	**1,459**	**1,572**	**1,526**	**1,657**
			Amount			
Engineering	$30,665,036	$35,647,332	$34,040,919	$45,961,892	$46,884,177	$52,241,764
Architecture	1,490,093	2,533,126	4,538,621	2,359,348	2,259,974	1,817,423
Computing	5,185,111	2,449,236	4,359,836	4,327,578	5,204,004	6,423,365
Ivan Allen	568,712	1,152,568	1,348,297	1,697,520	2,069,628	1,787,567
Sciences	12,880,760	13,449,177	12,363,169	16,878,959	17,094,987	16,472,500
Research Centers	3,145,549	5,805,349	15,708,527	15,827,151	15,655,105	15,461,441
GTRI	72,540,673	84,237,814	78,493,350	98,735,564	84,200,497	103,061,780
Total	**$126,475,934**	**$145,274,602**	**$150,852,719**	**$185,788,012**	**$173,368,372**	**$197,265,840**

** This summary includes research and other extramural support such as fellowships, traineeships, training grants, sponsored instruction, and instructional equipment grants. It does not include gifts or grants awarded through the Georgia Tech Foundation.

Source: Office of Contract Administration

RESEARCH SCOPE

Fig. 6.1 Research Grants and Contracts By Awarding Agency, Fiscal Year 1997



Source: Office of Contract Administration

RESEARCH SCOPE

Table 6.4 Awards Summary Detail, Fiscal Year 1997

Unit		Proposals Number	Proposals Amount	Awards* Number	Awards* Amount
College of Engineering					
Dean, College of Engineering		20	$15,237,666	26	$2,718,427
Aerospace		52	6,738,893	53	5,612,761
Chemical		39	7,728,449	29	2,762,605
Civil		108	17,288,207	72	7,243,893
Electrical		208	40,474,062	207	18,551,988
Industrial & Systems		40	8,268,234	29	1,225,344
Materials		53	7,880,687	45	2,073,479
Mechanical		117	22,313,425	100	7,893,023
Textile & Fiber		12	3,267,774	12	4,160,244
Total		**649**	**$129,197,397**	**573**	**$52,241,764**
College of Sciences					
Dean, College of Sciences		3	$40,344	1	$1,599
Biology		11	2,861,121	9	508,375
Chemistry		34	14,021,258	37	3,620,389
Earth & Atmospheric Sciences		63	13,037,632	67	6,411,148
Health Sciences		2	666,097	0	0
Mathematics		28	3,951,078	19	1,189,413
Physics		29	9,403,230	23	2,163,650
Psychology		18	10,381,039	12	1,291,269
CEISMC		13	700,024	15	1,286,657
MDI		2	634,121	0	0
Total		**203**	**$55,695,944**	**183**	**$16,472,500**
College of Architecture		**48**	**$22,959,492**	**35**	**$1,817,423**
College of Computing		**84**	**$32,114,101**	**63**	**$6,423,365**
Ivan Allen College		**19**	**$4,224,729**	**17**	**$1,787,567**
Research Centers		**230**	**$16,072,690**	**240**	**$15,461,441**
Georgia Tech Research Institute					
ARL	Arlington Research Laboratory	4	$502,497	10	$3,307,438
SEAL	Sensors and Electromagnetic Applications Laboratory	117	69,376,286	153	29,538,228
SDL	Systems Development Laboratory	26	6,280,854	35	12,708,117
ELSYS	Electronic Systems Laboratory	101	42,596,505	89	17,208,688
STL	Signature Tech. Laboratory	38	40,628,518	33	7,040,302
AERO	Aerospace Sci. and Tech. Laboratory	64	11,138,212	46	3,859,857
ITL	Information Tech. and Telecommunications Laboratory	75	19,961,207	73	12,200,645
HRO	Huntsville Research Operations	23	2,789,058	21	2,136,375
EOEML	Electro-Optics, Environment, and Materials Laboratory	102	25,774,960	86	15,062,130
PDO	Program Development Office	2	172,078	0	0
Total		**552**	**$219,220,175**	**546**	**$103,061,780**
Institute Total		**1,785**	**$479,484,528**	**1,657**	**$197,265,840**

Awards include *only* the sponsored activity handled by the Office of Contract Administration and do not include gifts or grants for research awarded through the Georgia Tech Foundation.

Source: Office of Contract Administration

CONTRACT ADMINISTRATION

The Vice Provost for Research and Dean of Graduate Studies has the responsibility for all research programs conducted by the Georgia Institute of Technology. He works with the deans, chairs, directors, and other department heads in establishing research policies and procedures. In partnership with the Office of the President and the Georgia Tech Research Corporation (GTRC), the Office of Contract Administration (OCA) provides program development assistance as well as overall contract management for the research program at Georgia Tech. Organizationally, the department is administered through three operating divisions, reporting to the Associate Vice Provost for Research/Director of OCA. The Office of the Director is responsible, in cooperation with Grants and Contracts Accounting, for negotiating indirect cost (overhead) rates. Also, the Office of the Director is responsible for the design and maintenance of an interactive automated database. The database, which integrates all contract administration functions, is used for management control and reporting. The database is used to produce and distribute a variety of periodic management reports including: a) a monthly listing of all deliverables due the following month, b) a quarterly overdue deliverables report, c) a monthly report of all research activity, and d) a monthly report of cost-sharing commitments. In addition, specialized (ad hoc) reports are prepared on request.

The **Program Initiation Division (PID)** provides assistance that leads to the submission of formal proposals, including review and interpretation of contract requirements, determination of appropriate contract terms, and establishment of any precontract agreements. PID is responsible for submitting all proposal and grant applications for sponsored research and instruction from the Georgia Tech Research Corporation and the Georgia Institute of Technology. PID contracting officers review proposals and cost estimates for compliance with sponsor requirements and Institute policies, and prepare the business portion of proposals. PID serves as the sponsor's point of contact for business matters during the evaluation process, negotiates the final terms of the contract or grant, and signs, in conjunction with an officer of GTRC, the resulting agreement. In addition, PID handles contract modifications which increase the funding of existing projects.

The **Program Administration Division (PAD)** has the responsibility for monitoring active grants and contracts. Upon receipt of a signed agreement from PID, an initial in-depth review of the award documents takes place and relevant initiation forms are prepared and distributed. Complete project files are established and maintained for the duration of the program. All post-award project modifications to existing programs are processed by PAD so long as there is no increase in funding. PAD is also responsible for the preparation and monitoring of subcontracts and consulting agreements issued by Georgia Tech under sponsored programs. Liaison with project sponsors is maintained by PAD contracting officers through responses to contractual situations or requests on day-to-day administrative matters. Responsibilities include monitoring programs to see that potential problems in meeting contractual obligations (i.e., assurance of satisfactory performance, submission of all deliverables, etc.) are called to the attention of Georgia Tech management in a timely manner.

The **Contracting Support Division (CSD)** provides a multitude of services internally to OCA as well as to the entire Institute. CSD researches the literature and electronic sources and publicizes announcements of funding opportunities. CSD orders and/or electronically downloads Requests for Proposals (RFPs) and other solicitations and distributes them to the campus. CSD also assists individual researchers in program development activities through proposal editing, database searches, and obtaining guidelines, application forms, etc. A newsletter, *Research News*, is published monthly by this division; it is also available by E-mail. CSD has access to several databases and does individualized searches for funding opportunities and sponsor information. These databases include the Illinois Researcher Information Service (IRIS), Federal Information Exchange (FEDIX), Minority On-Line Information Service (MOLIS), Best-Georgia Tech, Community of Science (which includes the *Federal Register* and *Commerce Business Daily*), GrantSearch (Office of Federal Programs), and the Congressional Quarterly. These databases have also been made accessible through the OCA Internet homepage at http://www.gatech.edu/oca. An electronic bulletin board of *Commerce Business Daily* notices, other funding opportunities, and special announcements is maintained by this division and updated daily; it is disseminated to the campus through the OCA homepage and the Georgia Tech homepage at http://www.gatech.edu (click on "Research"). CSD distributes all proposals and deliverable reports and serves as the filing center for project files and progress reports, pending receipt of final reports, and subsequent submission to the Archives section of the Georgia Tech Library. CSD is responsible for all contractual closeout actions, i.e., submission of final billing and research property and patent reports, accounting for the disposition of classified documents, and verification that deliverable requirements have been satisfied. CSD is also responsible for the preparation and administration of Small Business Administration (SBA) subcontracting plans.

Source: Office of the Director, Contract Administration

GEORGIA TECH RESEARCH CORPORATION

Founded in 1937, the Georgia Tech Research Corporation (GTRC) is a state chartered not-for-profit corporation serving Georgia Tech as a University System of Georgia approved cooperative organization. By charter GTRC "... shall be operated exclusively for scientific, literary and educational purposes . . . conduct laboratories, engage in scientific research, and distribute and disseminate information resulting from research." GTRC is an IRS section 501(c)(3) not-for-profit organization and is located on campus in the Centennial Research Building.

GTRC serves as the contracting agency for all of the sponsored research activities at Georgia Tech. The Research Corporation, since its founding, has received some 28,436 contracts for a total value of over $2.27 billion. It also licenses all intellectual property (patents, software, trade secrets, etc.) created at Georgia Tech. At the end of the fiscal year, GTRC held 230 patents on behalf of Georgia Tech and had 125 patent applications pending approval of the U. S. Patent and Trademark Office. All funds collected by GTRC are used to support various Georgia Tech programs requested by the Institute and as approved by the GTRC Board of Trustees. In addition to paying for sponsored research costs, license and royalty fees, and all corporate operating expenses during Fiscal Year 1997, GTRC provided more than $7.3 million to Georgia Tech in the form of grants and funded support programs.

Additionally, GTRC assists Georgia Tech in obtaining quality research space, enters into long-term leases for specialized research equipment, and conducts other research support programs as requested by the Institute.

Table 6.5 Revenues, Fiscal Years 1996 and 1997

Revenue	1996	1997
Sponsored Research	$170,442,838	$175,149,807
License and Royalty	2,093,275	2,291,709
Investment & Other	455,784	2,045,329
Total Revenue	**$172,991,897**	**$179,486,845**

Table 6.6 Grants and Funded Support Programs, Fiscal Year 1997

Support	Amount
Research Operations	
Equipment and facilities grants	$3,200,000
Equipment matching grant	2,000,000
Equipment leasing expenses	180,725
Contingency and liability support	173,206
Total	**$5,553,931**
Research Personnel, Recruiting, and Development	
Senior research leadership/incentive grants	$781,076
Contract development/technology transfer expenses	163,402
Woodbury Research Site	44,654
Ph.D. support and tuition assistance programs	149,067
Foreign travel and professional society support	122,996
Promotional expenses/Research Association Dues	189,042
Intellectual Property Development	250,000
New faculty moving expenses	63,905
Faculty and staff recognition/awards program	37,003
Total	**$1,801,145**
Total Support	**$7,355,076**

Table 6.7 GTRC Sponsored Research Contracting Operations, Fiscal Years 1996 and 1997

	1996	1997
Proposals submitted	1,749	1,785
Dollar value	$482,551,249	$479,484,528
Proposals outstanding	1,593	1,728
Dollar value	$579,218,886	$608,221,980
Contracts Awarded	1,526	1,657
Dollar value	$173,368,372	$197,265,840*

* Does not included $625,000 of in-kind support provided to two of the membership research centers.

Source: GTRC Associate Vice Provost and General Manager

GEORGIA TECH RESEARCH CORPORATION

Table 6.8 GTRC Technology Licensing Activities, Fiscal Years 1996 and 1997

	1996	1997
Inventions, software and copyright disclosures	150	103
U. S. patents issued	25	15
Expressions of possible licensing interest received	141	100
Invention licenses executed	5	10
Software licenses executed	80	45

Table 6.9 Georgia Tech Research Corporation Officers

Name	Office
Dr. James G. Roche	Chairman
Ms. Shirley Mewborn	Vice Chairman
Dr. G. Wayne Clough	President
Dr. Jean-Lou Chameau	Vice Provost for Research
Ms. Jilda D. Garton	Associate Vice Provost and General Manager
Dr. Edward K. Reedy	Acting Secretary
Mr. Julian W. Dees	Acting Treasurer

Table 6.10 Georgia Tech Research Corporation Trustees

Trustee	Title
Mr. M. Andrew Clark	Vice President for International Leasing, The Uniroyal Goodrich Tire Company
Dr. G. Wayne Clough	President, Georgia Tech
Mr. Wayne T. Dahlke	Senior Vice President for Power Delivery, Georgia Power Company
Mr. Ben J. Dyer	Chairman, Intellimedia Corp.
Dr. James L. Ferris	President, Intitute of Paper Science & Technology
Mr. J. Thomas Gresham	President, Callaway Foundation, Inc.
Dr. Thomas J. Malone	President, Milliken & Co.
Ms. Shirley Mewborn	Vice President and Treasurer, Southern Engineering Co.
Dr. James G. Roche	Corporate Vice President and General Manager, Electronic Sensors & Systems Division, Northrop Grumman Corporation
Dr. Albert P. Sheppard, Jr.	Professor of Mathematics, Florida Southern College
Mr. William T. Smith, Jr.	General Manager, General Business, North America, International Business Machines Corp.
Dr. Michael E. Thomas	Provost and Vice President for Academic Affairs, Georgia Tech
Mr. Robert K. Thompson	Senior Vice President for Administration and Finance, Georgia Tech

Table 6.11 Georgia Tech Research CorporationTrustees Emeritus

Trustees Emeritus	Title
Dr. Ernest A. Baillif	Former Senior Vice President Engineering and Research, Whirlpool Corp.
Dr. James E. Boyd	Former Director, Georgia Tech Research Institute
Dr. William B. Harrison	Former Senior Vice President, Southern Company Services
Mr. E. E. Renfro, III	Former Director, Nuclear Operations, Florida Power Corporation
Mr. Glen P. Robinson, Jr.	Former Chairman, Scientific-Atlanta
Mr. Kenneth G. Taylor	Former President, Simons-Eastern Engineering

Source: GTRC Associate Vice Provost and General Manager

INTERDISCIPLINARY CENTERS

To stimulate cooperation in emerging areas of education and research, Georgia Tech has established a network of more than 60 centers that cut across traditional academic disciplines. Drawing upon human and technical resources throughout the university, the centers provide an interdisciplinary setting for addressing basic and applied problems of interest to government and private enterprise. They also provide a mechanism for interdisciplinary thrusts in graduate and undergraduate education.

Centers are established and terminated as needs and opportunities change. Tech's centers involve faculty from academic colleges and from the Georgia Tech Research Institute (GTRI). GTRI provides additional flexibility to research at Georgia Tech and complements academic programs. All of Tech's interdisciplinary centers perform sponsored research on a contractual basis. Industry affiliate memberships are also available through several of the centers. Membership benefits include special access to Tech's broad technical resources, cooperative research programs, and timely technical reports and preprints. A brief description of each of the centers follows:

Reporting through the College of Architecture:

The primary goal of the **Construction Research Center** (CRC) is to support U.S. industry in all aspects of construction technology and information exchange. The center performs construction research and provides a full spectrum of services to industry relating to technology transfer, information retrieval, and education and training programs.

Created in 1980, the **Center for Rehabilitation Technology** (CRT) designs, develops, and evaluates adaptive devices and equipment to assist disabled persons by removing functional barriers in the workplace, home, and community environment. The center combines the talents of its core staff with those of faculty and students and works in close collaboration with rehabilitation counselors in Georgia's Department of Human Resources.

The **Center for Geographic Information Systems** (GIS) (and Spatial Analysis Technologies) is a collective effort on the part of academic and research faculty to provide a multidisciplinary organization committed to continuing research vitality and education in GIS and related activities throughout Georgia and the nation. Research is focused on innovations in spatial data collection, management, and new techniques to analyze and use these data. (Also reports through GTRI)

Reporting through the College of Computing:

The **Graphics Visualization and Usability Center** (GVUC) conducts research and teaches courses in computer graphics, user interfaces, scientific data visualization, computer animation, medical imaging, image processing and understanding, and the ability of humans to perceive images and to effectively employ user interfaces. As an interdisciplinary center, intellectual foundations are drawn from computer science, mathematics, psychology, industrial and systems engineering, and computer engineering. Associated with the center is the Scientific Visualization Laboratory, a campus-wide service of Client Services/OIT, providing state-of-the-art computer graphics facilities to the Georgia Tech campus.

Reporting through the College of Engineering:

The **Composites Education and Research Center** (CERC) coordinates educational programs and promotes interdisciplinary research on the design, manufacture, and application of composite materials. These activities incorporate polymeric, metallic, and ceramic fibers and matrices. The **Composites Manufacturing Research Program** is one focus within CERC.

The **Center of Excellence in Rotary Wing Aircraft Technology** (CERWAT) was established at Georgia Tech as a result of a nationwide competition in which Georgia Tech was first of three U. S. universities chosen. Its funding has been renewed following two additional competitions in the period from 1982 to present. Vertical lift technology, increasingly vital to the Army, has lagged behind fixed wing aircraft. To bridge this gap, the center explores new concepts in rotorcraft design, including aerodynamics, aeroelasticity, structures and materials, and flight mechanics and controls. The Georgia Tech center is now the **Center of Excellence in Rotorcraft Technology** (CERT).

The **Center for High Yield Pulp Science** (CHYPS) was established to gather industrial support for high yield pulping research and development. Industrial sponsors are invited to join an exciting new research initiative designed to improve their competitiveness in the areas of high yield pulp science. The initiative, an alliance of the collective expertise and talents of the Georgia Institute of Technology, the Institute of Paper Science and Technology, and the Herty Foundation, has created a unique opportunity to develop and promote the use of high yield pulps at improved quality and lower production energy.

The **Center for Human-Machine Systems Research** performs research in human supervisory control and human-centered automation in complex engineering domains such as aircraft flight decks, information systems, communication networks, computer integrated manufacturing systems, power plants, military systems, and aerospace systems. Perceptual and cognitive processes of the human operator are examined in order to identify factors that both limit and enhance effective system operation, decision making, diagnostic problem solving, and maintenance. Researchers develop theories and models of operator activities and functions, and formulate principles for the design of interactive interfaces. Based on these theories and models, researchers design and evaluate operator displays and workstations, intelligent decision aids, tutoring and training systems, and interactive learning environments.

The **Center for Information Technology Insertion (CITI)** is to identify, develop and insert the appropriate information technologies into the activities of our clients to enable a sustainable competitive advantage. In the broadest sense, information technology refers to the configuration, integration and use of the various computational and connectivity infrastructure elements to facilitate the transformation of raw data into information and subsequently knowledge. The sustainable competitive advantage is derived from the recognition and continued treatment of information as a strategic asset of the enterprise. The Center offers

Source: Office of the Vice Provost for Research

INTERDISCIPLINARY CENTERS

technical and management consulting services to both the public and private sector.

The **Center for Integrated Diagnostics** is designed to identify and exploit research opportunities associated with detecting incipient material failures in machinery through real-time monitoring and to predicting useful remaining machinery life. Through the Center, over 30 talented researchers have been united to focus attention in multidisciplinary areas related to failure detection and identification; failure prediction methodology; and direct sensing, analysis, and real-time diagnosis.

The **Center for Surface Engineering and Tribology at Georgia Tech** (Georgia Tech/Northwestern) (CST) is one of approximately 50 centers in the National Science Foundation's Industry/University collaborative Research Centers Program. The Mission of the Program is to provide a mechanism by which resources and expertise universities are marshaled to meet the needs of participating industrial corporations. CST is a two-university center and the only I/UCRC devoted to research in tribology.

The **Computational Mechanics Center** (CMC) is a world recognized center of excellence in the field of computational modeling of complex mechanical phenomena. This multidisciplinary center, which combines mathematics, theoretical mechanics, and compuational algorithm implementation, currently performs broad-based, state-of-the-art research in the following areas: micromechanically based constitutive development of advanced engineering materials such as monolithic ceramics and ceramic composites; three-dimensional static and dynamic fracture mechanics of advanced materials which exhibit nonlinear constitutive response, such as phase transformations and brittle microcracking; instabilities in non-linear material deformation, such as shear banding, multiscale space structure dynamics, and control through embedded actuators; two- and three-dimensional modeling of fluid structure interactions with thick composite shells; and distributed damage site interaction as found in structural aging, especially those found in aircraft and computational modeling of manufacturing processes, such as forging and residual stress-related phenomena.

The **Computer Aided Structural Engineering Center (CASE)** develops and disseminates GTSTRUDL which is a state-of-the-art and fully-integrated finite element analysis and structural engineering design computer software system used by structural engineers worldwide. Located in the School of Civil and Environmental Engineering, the Center provides a strong linkage between the academic research environment and industrial users of its research products. Close to 3,000 copies of GTSTRUDL are used by hundreds of engineering companies worldwide. Research in the CASE Center focuses on the development of improved analysis and design procedures for a wide variety of structural systems.

Computer Integrated Manufacturing Systems (CIMS) is a graduate certificate program for students interested in manufacturing. Students enrolled in the CIMS program pursue a graduate degree (e.g., M.S., M.E., M.S.I.E.), in one of nine participating academic units (Aerospace Engineering, Chemical Engineering, Civil and Environmental Engineering, Electrical and Computer Engineering, Industrial and Systems Engineering, Mechanical Engineering, Textile and Fiber Engineering, Management, and the College of Computing). The CIMS certificate is awarded by the College of Engineering to those students who receive their graduate degrees and meet an additional set of CIMS requirements. Thus, the CIMS certificate is an enhancement to an existing degree program, not a degree substitute.

The primary purpose of the **Composites Manufacturing Research Program** (CMRP) is to promote multidisciplinary, undergraduate and graduate education, and research in the area of composites manufacturing and testing. This is accomplished through the institutewide Composites Manufacturing Laboratory in the Manufacturing Research Center. The lab consists of a 5,000 square foot high-bay area, which houses industrial polymer and composites processing equipment, and a 1,000 square foot chemistry and non-destructive testing laboratory.

The **Consortium on Competitiveness for the Apparel, Carpet, and Textile Industries** seeks to find ways to transfer technology to companies and provide assistance in understanding and utilizing the new information. The Consortium specifically address the immediate, pressing problems of Georgia companies that are negatively impacting their ability to compete in the global market. Several units of the state university system participate in this program, with funding provided by the state government and industry sources.

The objective of the **CALS Technology Center** (CTC) is to promote the accomplishments of CALS (Computer-aided Acquisition, Logistics and Supportability) tasks by government and industry in the U.S. The center provides national and regional leadership in the development of CALS standards, technology, and practice for the exchange of product and process information among government and industrial organizations.

The **Environmental Resources Center** addresses problems of environmental resource management and provides analytical services for low-level radiation and radionuclide detection. The Center has an Environmental Radiation Laboratory which performs radiation measurements of samples collected throughout the state, and studies the impact and movement of radionuclides in the environment.

The mission of the **Fluid Properties Research Institute** (FPRI) is to measure, predict, and disseminate data on thermophysical properties and phase equilibria of fluids and fluid mixtures. The institute has the capability to study a wide range of materials including organic chemicals, pharmaceuticals, molten salts, and concentrated electrolytes. Applications include process design, safe operation, and environmental control.

The **Fusion Research Center** (FRC) provides an intellectual focus on fusion-related educational and research activities, external recognition via the distribution of technical reports, a computer connection to the national Fusion Computing Network and maintains a research library of international reports. The FRC provides seed money for proposal development and support for graduate students, and hosts fusion-related meetings. Primary areas of

Source: Office of the Vice Provost for Research

INTERDISCIPLINARY CENTERS

Reporting through the College of Engineering - *continued:*

faculty and student research during the past year were plasma transport processes, fusion reactor design, plasma diagnostics and experimentation, and plasma edge physics data and computations.

The **Georgia Center for Advanced Telecommunications Technology (GCATT)** is a division of the Georgia Research Alliance, a strategic partnership of academia, industry, and government which seeks to improve the quality of life for the citizens of Georgia. Founded in 1991, GCATT was sanctioned by the Governor and Legislature as Georgia's catalyst for economic development in the advanced telecommunications arena. The Center offers focus to university-based research that helps shape and support the emergence of the advanced telecommunications industry.

Research interests of the **Health Systems Research Center** (HSRC) include the design, implementation, and evaluation of health care delivery systems. Established in 1969, HSRC activity has included such diverse environments as emergency medical services, rural health care delivery, health maintenance organization development, corporate health promotion, and international health care.

On October 1, 1994, Georgia Tech merged three logistics-related organizations as **The Logistics Institute** (TLI). The Materials Handling Research Center (MHRC) and the Logistics Engineering Center (LEC) joined the then existing TLI, which conducts educational programs in logistics. The merger combined all logistical units to provide one resource meeting industry's need in logistics research and education. The new organization will: conduct contract, consortium, and interuniversity research in all areas of logistics; offer academic and professional programs in logistics; and serve as the focal point for student programs in logistics. Research will be conducted in both the Georgia Tech and the University of Arkansas campuses, the latter as a university partner with the MHRC, in the areas of material handling and logistics systems.

The **Mechanical Properties Research Laboratory** (MPRL) addresses mechanical behavior problems in a wide range of materials including metals, ceramics, polymers, and composites. The laboratory houses some of the most modern mechanical test analytical instruments available. Research capabilities include tensile, fatigue, fracture toughness and creep testing, X-ray diffraction, scanning and transmission electron microscopy, ion implantation, and quantitative image analysis.

The **National Textile Center** is a research consortium of four universities: Georgia Tech, Auburn, Clemson, and North Carolina State. Operating funds come from a grant administered by the U. S. Department of Commerce. The Center's purpose is to provide the academic research base for the continuing viability and competitiveness of the U. S. fiber/fabric/fabricated product industrial complex. The four institutions share personnel, equipment, and facilities to achieve common research and educational objectives.

The **Neely Nuclear Research Center** (NRC) consists of two major facilities: a five megawatt research reactor and a hot cell laboratory. Ongoing research includes trace element analysis, neutron radiography, food preservation, agricultural science, and the production of radioisotopes for medical and industrial use. The center also assists industry by training personnel in the use of radiation monitoring equipment and in handling radioactive substances.

The **Electronic Packaging Research Center** (PRC) is a cross-disciplinary Engineering Research Center funded by NSF, State of Georgia, Sematech/SRC and the US Electronics Industry. It's vision is to improve electrical performance, cost, size and reliability of electronics products in consumer, computer, automotive and telecommunications industries by an order of magnitude in each. It involves 45 faculty and 150 students from eight engineering and science schools across Georgia Tech.

The **Rapid Prototyping and Manufacturing Institute** is closely related to the CIMS program. The primary objective is to further the deployment or rapid prototyping and manufacturing through education. Educational activities will be proposed and guided by industry. We hope to also create an environment in which related research will flourish.

The **Statistics Center** was created to provide advice and assistance to the Georgia Tech community on statistical matters such as the design of data collection for experimental research studies, data analysis and interpretation, statistical model building, and selection and use of statistical software. The Center also provides a framework for facilitating development of research proposals for external funding.

The **Technology Policy and Assessment Center (TPAC)** was formed in 1981 to facilitate interdisciplinary research and analysis on technology-intensive issues. The Center works at the interface of engineering, policy, and management of technology. TPAC is prominently engaged in technology-focused issues relating to economic development, management, and policy. Some of these issues include, Technology Intelligence; R & D Evaluation; Analysis of Science and Technology Policies; Management of Information and Technology Opportunities Analysis.

The mission of the **University Center of Excellence for Photovoltaics Research and Education** (UCEP) is first to improve the fundamental understanding of the science and technology of advanced photovoltaics (PV) devices; second to fabricate record high efficiency solar cells; and third to provide training and enrich the educational experiences of students in this field.

Reporting through the Ivan Allen College:

The **Center for International Strategy, Technology, and Policy** (CISTP) of Georgia Tech is a multidisciplinary policy and research organization working with business, government, and academic institutions around the world to develop policy recommendations and information on a range of international issues. CISTP hosts conferences, conducts research, and publishes reports in three fields of concentration: the Pacific Rim and Asia, Europe and global media, and communications in international relations.

The **Center For New Media Education And Research** supports ongoing work in new technologies of communication and repre-

Source: Office of the Vice Provost for Research

INTERDISCIPLINARY CENTERS

sentation within the School of Literature, Communication, and Culture. The Center draws upon the following resources: a diverse faculty with research programs in the cultural and historical studies of science and technology, in technical writing and rhetoric, in media and communication studies; a graduate program in "Information Design and Technology" that attracts strong students and interest from industry; a successful continuing education program that offers a source of funding and ongoing industry contacts. Furthermore, as the local, national, and international business environment is being reshaped by new communication technologies, the Center provides a place for investigating the cultural and social facets of this process. The Center is a member of a national consortium of New Media Centers, which provides low-cost equipment from and possible collaborative relationships with leading technology companies.

In early 1986, the Atlanta University Center, Inc. and the Georgia Institute of Technology (AUC/GIT) signed an agreement for the mutual exchange of professionals with the China Association for International Exchange of Personnel (CAIEP) of the People's Republic of China (PRC). The **China/U.S. Professional Exchange Program** (CUPEP) has been established by AUC/GIT to administer and conduct the placement of Chinese professionals in appropriate locations in the United States and U.S. experts in China. The purpose of these exchange activities is to acquire and foster greater understanding between the peoples and cultures of the PRC and the U.S. Ultimately, the enhancement of economic, scientific, and technological development and the strengthening of friendly cooperation between the two countries will result.

The purpose of the **DuPree Center for Entrepreneurship and New Venture Development** is to conduct research in the field of entrepreneurship, and to teach and disseminate the findings to Georgia Tech students, faculty, and the business community, with the goal of helping American companies compete more effectively in the global marketplace. The DuPree Center's mission will require the development and support of research, teaching, executive education programs, and outreach activities in entrepreneurship in the School of Management at Georgia Tech.

The **Georgia Tech Center for International Business Education and Research** (GT CIBER) was created in September 1993. It is a "national resource center" competitively funded by the U.S. Department of Education and is part of a network of some twenty-five such centers nationwide. Its primary objectives are to integrate various international initiatives relating to international business curricular development, business/technical foreign language development, international student and professor exchanges, faculty training in international business-related topics, and executive education programs for the business community. It also funds a faculty-led research program relating to international business and technology, publishes an annual Working Paper series, a quarterly newsletter, and occasional proceedings. The center has an external Advisory Council and an internal multidisciplinary Core Faculty Group which meet regularly. The center works closely with the Atlanta and Georgia international business community leadership and is an integral part of Georgia Tech and of the Ivan Allen College.

The **International Sports Business and Ecomonics Center** is George Tech's international sports business program and its global network of partners. This program offers educational opportunities, conducts research, promotes information exchange, explores applications of new technologies, and provides policy recommendations for the worldwide sports industry. The Masters degree certificate program is international in scope, interdisciplinary in approach and intentional in its focus to prepare the 21st century's sports indusry's leadership.

The **Technology Policy and Assessment Center** (TPAC) undertakes research on the policy issues relating to technology. Center associates share interests in the implications of emerging technologies. Core competencies include technology forecasting and technology opportunities analysis, evaluation of R&D programs, and risk management and assessment. Current activities include support of an Annual Georgia Technology Forum.

Reporting through the College of Sciences:

Research and educational activities at the **Center for Computational Materials Science** (CCMS) involve faculty, research scientists, postdoctoral fellows, visiting scholars and students. The main research activities focus on large-scale computer simulations of materials systems and processes of fundamental and technological significance. These activities include molecular dynamics simulations of growth and properties of finite and extended materials systems, surface and interfacial phenomena, tribology, lubrication and wear mechanisms, dynamics and rheology of confined polymers, reaction mechanisms of environmental and biological relevance, high-energy impact phenomena, nanocrystalline systems, transport and conductivity with and without the influence of strong magnetic fields in mesoscopic metallic and semiconductor systems, and molecular design of novel materials.

The **Center for Dynamical Systems and Nonlinear Studies** (CDNS) was established to strengthen the existing research activities in the School of Mathematics with special focus on dynamical systems, differential equations, nonlinear analysis and applications. Most research of the center and affiliated faculty is devoted to the dynamical systems defined by ordinary, functional and partial differential equations. Specific topics emphasized are stability, nonlinear oscillations, bifurcations, singular perturbations, asymptotic behavior, fractals, image compression, scientific visualization, stability of matter, Schroedinger operators, dynamics of numerics, and numerical analysis.

Molecular Design Institute (MDI) is a multi-institutional consortium funded by the Office of Naval Research (ONR), Georgia Research Alliance (GRA), and the members. Broadly representing the disciplines of Georgia Institute of Technology, MDI was established in 1995 to bring researchers together to focus on "Education to Meet the Challenges of Designed Materials." Over the current eight year funding scale, almost $20M have been committed to date to this new Institute.

Reporting through the Georgia Tech Research Institute:

The **Center for Enterprise Systems** (CES) was formed to stimu

Source: Office of the Vice Provost for Research

INTERDISCIPLINARY CENTERS

Reporting through the Georgia Tech Research Institute - *continued:*

late technology transfer from the University to industry in the information technology area. CES focuses on helping industrial enterprises to use information technology to achieve competitive advantage. Among the Center's recent activities are the establishing of an executive roundtable, called the Senior Executives Roundtable on the Business Impacts of Information Systems (SERBIS), and setup and operation of the Business Process Engineering Modeling and Simulation Laboratory.

The primary objective of the **Georgia Tech Economic Development Administration's University Center** (EDAUC) is to stimulate the expansion and diversification of existing industry, support the formation of new, economically sound enterprises, and encourage the development and expansion of enterprises owned by minority individuals. The EDA Center is currently focused on serving Georgia's existing industry. The specific objective of this effort is to assist communities with the establishment/maintenance of an existing industry program and is embarking on a pilot project using GIS as a business development tool.

Georgia Tech's **Economic Development Institute** (EDI) advances economic development in the state and regional communities and improves the competitiveness of industry and business. EDI contributes to the economic well-being of Georgia and the southeast through transfer of technologies and innovative management practices via new enterprise development, and by researching for and responding to economic development needs of communities and local, state, and federal governments. As Georgia Tech's single entry point to campuswide economic development resources, EDI coordinates outreach activities throughout the Institute and applies appropriate technical resources where needed.

The **Center for Geographic Information Systems** (GIS) (and Spatial Analysis Technologies) is a collective effort on the part of academic and research faculty to provide a multidisciplinary organization committed to continuing research vitality and education in GIS and related activities throughout Georgia and the nation. Research is focused on innovations in spatial data collection, management, and new techniques to analyze and use these data. (Also reports through the College of Architecture).

The **Georgia Procurement Assistant Center** (GPAC) was formed to assist Georgia businesses in obtaining federal government contracts. The center is Department of Defense funded so there is no charge for services such as location of government buying activities, purchasing specified items, assistance with preparation of required forms, computer matching of government opportunities, determining the volume and price of previously contracted products/services, assistance in understanding bid process and terminology, assistance in bid and proposal preparations, access to federal specifications and standards, access to federal acquisition regulations, or assistance in quality control programs.

The **Indoor Environment Research Consortium** (IERC) is a university-based consortium between Georgia Tech, Virginia Polytechnic Institute and State University (VPI), and Emory University. The IERC's purpose is to create and sustain an environment that will nurture interdisciplinary research, education, technology transfer, and economic development in the physical, engineering, behavioral, medical, and biological sciences.

Phosphor Technology Center of Excellence (PTCOE) is a university-led consortium, sponsored by a government/university/industry partnership, whose primary mission is to develop a world-class research and education program in phosphor technology and to support the high definition display industry with state-of-the-art enabling technologies. The consortium members include Georgia Institute of Technology, University of Georgia, University of Florida, Pennsylvania State University, Oregon State University, David Sarnoff Research Center, and the American Display Consortium.

The primary objective of the **Southeastern Trade Adjustment Assistance Center** (SETAAC) is to provide management and technical assistance to southeastern manufacturing firms who experience declines in sales and employment due to competition from imported products. Major activities include assistance to firms in preparing applications for program services and submitting to the U.S. Department of Commerce; performing diagnostic analysis study of eligible firms to assess strengths and weaknesses, and providing competitive assessment of all of the firm's functional areas including manufacturing, sales and marketing, finance and accounting, and management practices; development of a recovery strategy to help the firms regain a competitive position; and assistance in implementation of the recovery strategies.

Reporting through the Economic Development Institute:

The **Advanced Technology Development Center** (ATDC) was formed in 1980 by the Governor and General Assembly to increase the high technology business base in Georgia. ATDC fulfills this objective by providing business assistance to start-up technology companies, supporting technology commercialization ventures, and assisting in economic development efforts in key technological areas around the state. Headquartered in Atlanta, the ATDC promotes the development of advanced technology-based compa nies throughout Georgia.

Established in 1991, the **Center for International Standards and Quality** (CISQ) assists southeastern firms to understand and meet quality assurance standards necessary for successful exporting to Europe, the Pacific Rim, and elsewhere. Services consist of providing information on and updating of standards, training in standards-related topics, technical assistance to firms, and research projects on issues related to quality standards.

The mission of **The Center for Public Buildings** (CPB) is to identify, collect, interpret, and apply appropriate information to support the conservation of older and historic public buildings. There are approximately 100 million buildings in the U.S. and many of these are old, historic, and in public ownership. These owners often have great difficulty making sound repair and rehabilitation decisions because they lack accurate information about their own resources and about treatment materials and techniques. Major activities consist of developing standardized and automated

Source: Office of the Vice Provost for Research

INTERDISCIPLINARY CENTERS

methodologies for evaluating older buildings and/or archaic materials. Several PC-based building evaluation applications have been developed for federal agencies. The center created the first expert system in the historic preservation field.

The Objectives of the **Industrial Assessment Center (IAC)** (formerly Energy Analysis and Diagnostic Center, (EADC)) are twofold: to provide energy conservation and waste minimization assistance to small and medium-sized manufacturing plants lo

cated in the Southeast; and to give engineering students first-hand experience in manufacturing technologies, and proven process optimization techniques that reduce energy use and industrial waste. The Center has been sponsored by the U.S. Department of Energy for over 15 years. Georgia Tech is one of 30 universities that participate in this program. The IAC's were mentioned in the latest National Energy Strategy as a prove program for promoting energy conservation. Manufacturers consistently implement over 50 percent of the recommendations identified by the IAC's

The **Center for Manufacturing Information Technology** (CMIT) in affiliation with NIST Manufacturing Extension Partnership and the Georgia Manufacturing Extension Alliance, CMIT was established to assist Georgia manufacturers in the application of computer-based solutions to manufacturing problems. The Center provides a non-intrusive environment in which manufacturers can objectively evaluate different technologies and become aware of the issues associated with technology implementation.

The **Center for Strategic Improvement** (SCI) assists Georgia business and industry in maintaining and strengthening its competitive market position through productivity and quality improvements and also to enhance the reputation of the Georgia Institute of Technology as a leader in the areas of technology, productivity, quality, and strategic management.

Reporting through the Office of Interdisciplinary Programs:

Air Resources and Engineering Center (AREC) was established in October, 1997, to facilitate collaboration in research, education, and public service across organizational boundaries for researchers working in the areas of air quality and regional climate change, including science, engineering, health effect, economics and public policy. AREC will build a partnership with the Georgia Research Alliance, Regional Environmental Protection Agency, and various agencies of the State of Georgia, e.g., Department of National Resources/Environmental Protection Division and Department of Transportation. Research projects conducted through the AREC will be supported with funding from a variety of sources, including federal, regional, and state agencies, non-profit organizations, and industries. With public concerns and debate about the Global change, national and international research activities and funding are expected to grow significantly in the areas of air quality and climate. Currently, Georgia Tech has sponsored air Quality research projects with total budgets of more than $6 million per year. These projects are conducted through the academic colleges, research centers, and the Georgia Tech Research Institute.

In 1993, the **Institute for Bioengineering and Biosciences** (IBB) was established at Georgia Tech, bringing together biochemistry, bioengineering, and biology. The institute includes the Bioengineering Center, the Biosciences Center, the Emory/Georgia Tech Biomedical Technology Research Center, the Biomedical Interactive Technology Center, and the GIT/MCG Biomedical Research and Education Program. A Bio-Complex will open on the Georgia Tech campus in 1999 to house the new Institute for Bioengineering and Bioscience.

The mission of the **Biomedical Interactive Technology Center**, which reports through IBB, is to foster, nurture, and encourage involvement in campus activities that support and expand the intersection between the engineering disciplines and the life sciences. To accomplish this mission, faculty and staff undertake research programs and offer educational opportunities in which engineering principles are applied to problems in biology and medicine. Additionally, activities related to technology transfer and economic development are undertaken.

Emory University School of Medicine and the Georgia Institute of Technology, recognizing the increasing importance of an interdisciplinary approach to problems of health care, established the **Emory/Georgia Tech Biomedical Technology Research Center** (EM/GT) which reports through IBB. The purpose of the center is to create and sustain an environment in which collaborative research and education in the medical, biological, engineering, and physical sciences can flourish, and through which advances in research will be transferred to the delivery of health care.

The **GIT/MCG Biomedical Research and Education Program** is a component of the Biomedical Interactive Technology Center. Georgia Tech and the Medical College of Georgia have missions with synergistic potential in areas where the application of engineering principles can enhance medical research and education, technology transfer, and economic development. This program helps to encourage interinstitutional interactions in which faculty and students at both universities undertake collaborative activities that promote the synergism inherent to the fields of medicine, allied health, and engineering.

The **Biosciences Center** (BSC) which reports through IBB is a focal point at Georgia Tech for research in molecular biology, microbiology, biochemistry, biophysics, and biochemical engineering. The center provides NMR and protein and DNA synthesis facilities to assist research projects. Major projects include drug design, environmental toxicology, immobilization technology, microbial physiology, molecular genetics, and structural biology.

The **Broadband Telecommunications Center** (BTC) explores both the technology required to bring advanced interactive services to the home and the applications that will exploit this technology. It does this in close collaboration with industry partners with the goal of technology transfer.

Center for Human Movement Studies. The Department of Health and Performance Sciences and the Office of Interdisciplinary Programs recognize the significance of interdisciplinary research related to human performance. Research in the science of human movement involves collaboration across disciplines related

Source: Office of the Vice Provost for Research

INTERDISCIPLINARY CENTERS

Reporting through the Office of Interdisciplinary Programs - *Continued:*

to physiology, biomechanics, motor performance and neural control. Currently, there are collaborative efforts between the Biomechanics Laboratory in the Department of Health and Performance Sciences and the Interactive Media and Technology Center, the College of Computing, The Georgia Tech Research Institute and the Departments of Physiology and the Center for Rehabilitation Medicine at Emory University. The purpose of the Center for Sports Science and Technology is to create and sustain an environment in which collaborative research may continue into sport and human movement science and in which the development of technology necessary to monitor critical parameters in the analysis of human performance can take place.

The **Center for Optical Science and Engineering** (COSE) coordinates a broad spectrum of research and teaching activities in the areas of optical materials, optical physics, optical devices, optical systems, optical information processing, integrated optics, and opto-electronic device integration. Activities are centered primarily in the School of Electrical & Computer Engineering, the School of Physics, and GTRI's Electro-optics, Environment and Materials Laboratory.

The **Environmental Resources Center** (ERC) operates the Environmental Radiation Laboratory, which undertakes research on the impact and movement of radionuclides in the environment, development of effective environmental radiological monitoring programs, and improvement of radiochemical analyses for low levels of radionuclides in environmental media. It also provides service environmental radiological measurements for the state Department of Natural Resources.

The **Georgia Center for Advanced Telecommunications Technology** (GCATT), is a center at Georgia Tech and is a division of the Georgia Research Alliance, an economic development partnership of state government, universities, and industry. GCATT fosters a growth of Georgia's information industry through collaborative programs in research and public policy initiatives focused in three areas: electronic commerce, education, and health care. The GCATT Building is a showplace for Georgia's leadership in the information industry, and it houses a variety of research programs in such areas as multimedia, distance learning, telemedicine, and virtual reality. Research in the building will spark economic development in the State by developing new technologies, new applications, and new information industry companies.

Georgia Transportation Institute (GTI) was formed in January, 1997, to focus the resources of the research universities in the State of Georgia on the transportation research needs of Georgia and the nation, and will form a cohesive e, nationally recognized partnership between the Georgia DOT and Georgia's research universities. Research projects conducted through the GTI will be supported with funding from a variety of sources including the Georgia DOT, federal agencies and private industry. Currently, Georgia Tech has sponsored transportation research projects with total operating budgets of more than $4 million per year. These projects are conducted through the academic colleges and schools and the Georgia Tech Research Institute.

Manufacturing Research Center (MARC) is a facility that supports the manufacturing-oriented research, development, and educational objectives of Georgia Tech. The Center has a 120,000 sq. ft. facility, which opened in November 1991, in conjunction with the high quality professional resources at Georgia Tech, is an outstanding resource for industry. The center provides new opportunities for industry, government, and academia to collaborate in pursuit of state and national objectives to strengthen the U.S. industrial base and to meet the competitive demands of the international marketplace. This is accomplished through interactions within the MARC consortia, contracts with industry, and government sponsored research. The makeup of the building residency encourages interdisciplinary programs and a team approach to problem solving, thus fulfilling the MARC philosophy: "Teaming to Win."

The **Microelectronics Research Center** (MiRC) provides the facilities, infrastructure, and teaming environment to enable and facilitate interdisciplinary research in microengineering: the integration of microelectronics, integrated optoelectronics and microsensors and actuates. The MiRC is housed in a new (1989) 100,000 sq. ft. building plus a 20,000 sq. ft. annex, which includes six electronic and optoelectronic materials labs, eight labs for microelectronic design and testing, and eight labs for optoelectronic device design and testing. A 7,000 sq. ft. cleanroom provides complete microfabrication facilities. Over 50 faculty and more than 120 graduate students (plus undergraduates) conduct credit-bearing thesis in the areas above.

The **Interactive Media Technology Center** is responsible for the development of the interactive presentation systems which were used to help sell Atlanta's bid for the 1996 Summer Olympic Games. The technology being developed by the center is anticipated to have a wide application to such requirements as presentation systems technology, distance learning, human motion capture and visualization and any area that involves state-of-the-art multimedia technology. The center is working in a wide range of computing and communications technologies, developing the "tools" required to integrate video, audio, and computer technologies for unique applications. The center makes wide use of both graduate and undergraduate students and works cooperatively with a number of other units of the Institute as well as other universities and industries.

A coordinated **Office of Environmental Science, Technology, and Policy** (OESTP) has been established at Georgia Tech to facilitate more than 200 faculty to address regional, national, and global critical environmental issues. Waste minimization, environmental restoration technology, advanced energy conservation technology, state-of-the-art sensor instrumentation development, coordinated field studies, and economic assessment provide an integrated base for comprehensive policy studies.

The **Polymer Education and Research Center** (PERC) serves, through its programs that span across six schools and GTRI, to

Source: Office of the Vice Provost for Research

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facilitate both research and education in this critical multidisciplinary field at Georgia Tech. It is comprised of over 25 faculty and 70 graduate students who are pursuing research in the full breadth of polymer science and engineering, ranging from synthesis of polymers for electronic and composite applications, through polymer reaction engineering, solid-state polymerization, formation of high volume and high performance fibers, processing and properties of electronic and composite materials, and recycling/reprocessing of polymeric materials, to applications of polymers in aerospace engineering, civil engineering, biomedical engineering, microelectronics, and textile engineering. This group's expertise is complemented by comprehensive research facilities in polymerization, processing, testing, and chemical/morphological analysis of polymers. The major strength of PERC lies in its ability to achieve synergistic integration of different fundamental disciplines in its research, and in training undergraduate and graduate students to accomplish the same in their careers beyond Georgia Tech.

The **Specialty Separations Center** (SSC) develops and applies modern high-tech separation methods to industrially and socially important problems. Applications include environmental control, energy, biotechnology, pharmaceuticals, fine chemicals, electronic materials, polymers, food processing, pulp and paper, and textiles. This work is collaborative between Georgia Tech scholars in chemical engineering, chemistry, biology, and environmental studies, and faculty from the Institute of Paper Science and Technology.

The **Center for Sustainable Technology** (CST) responds to the challenge of sustainable development and conducts a comprehensive and cooperative examination of strategies to shorten the learning curve on sustainable technologies. In collaboration with the World Engineering Partnership for Sustainable Development (WEPSD), the CST will help build an interdisciplinary coalition whose professional objectives and ethics support the goals of sustainable development, and encourage the development of an international network of Centers for Sustainable Technology.

The **Transportation Research and Education Center** (TREC) was established in 1991 to promote multidisciplinary research and education in transportation. Center faculty and research staff are dedicated to examining the role transportation plays in the social and economic fabric of society. In addition, the Center promotes the investigation of new transportation technologies and their likely environmental, financial, and societal impacts.

The **Water Resources Institute (WRI)** is one of 55 established by the Water Resource Research Act which was signed into law in 1964. Each institute is served by an advisory or policy group drawn from public and private organizations that manage or use water in its state, thereby providing a "grassroots" linkage to local water problems and issues. The overall coordination of the institutes by the U.S. Geological Survey adds regional and national perspectives to the program. This blend of resources from the university community, state and local water users/managers and a national research organization offers an opportunity unequaled by any other water-related program in the United States. The objectives of the Georgia Water Resources Institute are (1) to develope through research new technology and more efficient methods for resolving local, state, and national water-resources problems, (2) to train water scientists and engineers through on-the-job participation in research, and (3) to facilitate water research coordination and the application of research results by means of information dissemination and technology transfer.

Source: Office of the Vice Provost for Research

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The Georgia Tech Research Institute (GTRI) is a nonprofit applied research organization that is an integral part of Georgia Tech. It was chartered by the Georgia General Assembly in 1919 and activated in 1934. GTRI plans and conducts focused programs of innovative research, education, and economic development that advance the global competitiveness of Georgia, the Southeast region, and the nation. Working closely with the academic colleges and interdisciplinary centers in areas of research, education, and service, GTRI plays a vital role in helping Georgia Tech reach its goals.

Staff
GTRI's staff has expertise in most recognized fields of science and technology. As of October 1997, GTRI had 1,196 employees, including 494 full-time engineers and scientists, and 279 full-time support staff members. The other employees include additional faculty members, students, and consultants who work in the research program on a part-time basis. Among GTRI's full-time research faculty, 81 percent hold advanced degrees. (See Table 6.12)

Recent Research Funding Trends
During fiscal year 1997, GTRI reported $103 million in contract awards and grants. Major customers for GTRI research include U.S. Department of Defense agencies, the state of Georgia, non-defense federal agencies such as NASA, and private industry. Overall, contracts and grants from Department of Defense agencies account for approximately 80 percent of GTRI's total expenditures. (See Chart)

Strategic Directions
Changing national defense needs, the increasing competitiveness of the global economy, societal issues and emerging technology trends describe the external environment in which GTRI conducts its programs of research and development. GTRI's strategic plan establishes the direction, objectives and goals for conducting both near and long term programs of innovative research and development. The plan includes major goals and strategies required to accomplish the Institute's mission and objectives.

In broad terms, GTRI intends to maintain and improve the quality of research provided to its traditional government customers, extend its research into new market areas within government and industry to capitalize on core competencies, enhance its collaborative efforts with university, government and industry partners, and strengthen its ties and support to state and local government.

Research Directions
Over the past few decades, GTRI has established international standing for its excellence in numerous areas of science and technology. Approximately 80 percent of the organization's research is sponsored by the Department of Defense, but changing national needs have resulted in greater diversification of GTRI's research programs. Major research thrusts include the following areas:

- Acoustics
- Aerospace Sciences & Technology
- Communications & Information Technology
- Electromagnetic Environmental Effects
- Electronic Defense
- Environmental Science & Technology
- Food Processing Technology
- Human Factors
- Infrared/Electro-Optics
- Law Enforcement Technology
- Learning Technology
- Manufacturing Technology
- Materials Sciences
- Microelectronics & Applications
- Modeling & Simulation
- Occupational Health & Safety
- Optoelectronics/Photonics
- Radar
- Secure Information Systems
- Simulator Testbeds
- Test and Evaluation
- Transportation

GTRI Fellows Council
The GTRI Fellows Council assesses and recommends future technological directions for GTRI's research program. Composed of the organization's most senior and distinguished research faculty, the Council also evaluates proposals for funding through GTRI's internal research programs.

GTRI External Advisory Council
GTRI's External Advisory Council reviews GTRI activities involving strategic and business planning, marketing analysis and research initiatives, and policies and procedures affecting the day-to-day operation of the Institute. The Council also advises the director and his staff on issues and specific areas in order to aid in accomplishing the organization's mission and goals. The GTRI External Advisory Council is composed of proven leaders from the industrial, research, and university sectors.

Organization
GTRI's applied research programs complement research conducted in Georgia Tech's academic colleges and interdisciplinary research centers. A key goal of GTRI is increased academic collaboration with instructional faculty.

GTRI's research activities are conducted within nine laboratories which have focused technical missions and are linked to one another by coordinated program thrusts. Interaction among these units is common, and joint teams can readily be formed in areas of mutual interests to combine expertise to provide optimum service to the client.

The nine laboratory units and descriptions of their primary research activities are as follows:

Aerospace and Transportation Laboratory (AERO). This lab performs a variety of research related to aircraft (fixed wing, rotary wing and powered lift), hydroplanes, ground vehicles, and transportation systems and infrastructure. Current research contracts in the Aerospace and Transportation Laboratory include acoustics (NASA, USAF, and private industry), aerodynamic configuration

Source: Office of the Vice President and Director, Georgia Tech Research Institute

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analysis (NASA, USAF and Lockheed-Martin Corp.), experimental aerodynamics (private industry and NASA), high-lift airfoils (NASA), active flow control (USAF, NASA and DARPA), computational fluid dynamics and aeroelasticity (NASA and USAF), aircraft structures (USAF and U.S. Army), tilt wing configuration development (private industry), flight performance analysis (USAF), flight test management (USAF), aviation infrastructure development (FAA), unmanned aerial vehicles (Georgia Department of Transportation), energy systems (NASA), electric ground vehicles and battery management (DARPA and private industry), hybrid electric vehicles (Department of Energy), intelligent transportation systems (Federal Highway Administration and Georgia Department of Transportation), advanced traffic/highway engineering (Georgia Department of Transportation) and transportation information systems (Georgia Department of Transportation).

Arlington Research Laboratory (ARL). This laboratory is located in Arlington, Virginia, and provides specialized technical support to the Department of Defense, NASA, other government agencies and commercial customers. Major areas of expertise and experience involve test and evaluation resource planning and combat training range development. Related work includes functional requirements analysis, cost-benefit comparisons, development of decision support systems, development of interactive databases across the Internet, technology insertion, and an overall technology-based management information system to support strategic planning. The Arlington facility has convenient Metro access to National Airport, as well as significant support and communications capabilities, including multiple ISDN access, video teleconference and computer projection connectivity.

Electronic Systems Laboratory (ELSYS). This laboratory works in the broad areas of system evaluation of developmental electronic systems and system engineering of fielded electronic systems. In the area of system evaluation, major activities involve simulation-based evaluation of electronic defense systems effectiveness, disciplined test and evaluation methods development, special-purpose instrumentation systems to support disciplined test and evaluation, and human factors research. In the area of fielded system engineering, emphasis is directed toward development of both reliability and performance improvements in these systems, implementing these improvements in manufacturable hardware and operational software, and development of integrated support stations to enable to rapid reconfiguration of these upgraded fielded systems in response to changes in operational requirements for these systems.

Electro-Optics, Environment, and Materials Laboratory (EOEML). This laboratory's mission is one of research, technical assistance, and technology transfer in a broad range of disciplines. Research and technical assistance areas include: modeling, analysis, simulation, and testing of military infrared and electro-optical systems and countermeasures; design and development of electro-optic, optoelectronic, and photonic devices and components; development of display phosphors and coatings; metallurgy; environmental research and pollution prevention; occupational safety and health; chemical and biological testing; upper atmosphere science and indoor air quality measurements; remote sensing and geographic data bases; optical signal processing; manufacturing, industrial processes and food industry technology; computational vision; and applications of learning technology. A large number of extension courses are offered regarding environmental safety and health issues, infrared technology, electronic warfare, and signature reduction.

Huntsville Research Operations (HRO). This laboratory is located in Huntsville, Alabama, and primarily supports the U.S. Army Aviation and Missile Command (AMCOM) in its weapon systems simulation efforts. However, HRO has also performed work for the U.S. Army Strategic Defense Command and for private industry in Huntsville. The lab is a multidisciplinary organization with research interests in battlefield automation simulation and analysis, aeronautical simulation, analysis and modeling of complete missile systems, sensor and fuze simulation and analysis, and simulation support of special AMCOM programs. Other research involves field and hardware-in-the-loop testing of air defense weapons equipment, war gaming and force-on-force simulations, guidance and control simulations, logistics decision support technology, and the development of computer graphics software.

Information Technology and Telecommunications Laboratory (ITTL). This laboratory provides solutions to unique and complex problems involving information processing, storage, representation and exchange. ITTL's Computer Science and Information Technology Division conducts sponsored research in software engineering, information management systems, artificial intelligence, computer graphics, decision support systems, simulation and modeling, database management and design, network management and design, human-computer interface, and hardware and software design. ITTL's Communications and Networking Division develops and evaluates communications systems for the Department of Defense, other government organizations, business and industry. These researchers are particularly well qualified in wireless and tactical communications, broadband networking and ATM, communications surveillance and disruption, communications networks, radiolocation and direction-finding, propagation analysis and communications technology. ITTL's Manufacturing Technology Program Office manages government and industry programs for the research and development of new manufacturing technology. Program thrusts include cost-effective manufacturing processes, integrated product and process design, plant design, productivity analysis, industrial base modeling, and other topics in manufacturing technology. Of particular emphasis are projects dealing with new technology in electronics and optoelectronics in products incorporating sensors, communications and computing.

Sensors and Electromagnetic Applications Laboratory (SEAL). This laboratory conducts wide-ranging research, with major specialities in radar systems development, electromagnetic environmental effects, radar performance modeling and simulation, undersea acoustics applications, and microwave and antenna technology. Radar systems programs focus on the development, analysis, and evaluation of radar systems; electronic protection techniques; avionics integration; non-cooperative target identification; vulnerability analysis; signal processing techniques, and ballistic missile defense. In electromagnetic environmental effects, SEAL researchers analyze, measure and control electromagnetic interac-

Source: Office of the Vice President and Director, Georgia Tech Research Institute

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tions between elements of electronic systems and between these systems and their environment. The lab's specialists in microwave and antenna technology develop, analyze, and test domestic and foreign-made antenna systems and antenna metrology. Finally, researchers at SEAL have a broad base of expertise in acoustics applications, including non-cooperative underwater target recognition, underwater sensing, and non-destructive materials testing.

Signatures Technology Laboratory (STL). The mission of this laboratory is to conduct original research, disseminate knowledge and promote higher education related to the measurement, characterization, and control of multispectral electromagnetic signatures and other observables. Specific areas of research include modeling, design and characterization of composite electromagnetic structures, in situ radar cross section measurements, advanced measurement facilities, modeling and measurement of electromagnetic scattering, sensor/data fusion concepts, advanced antenna design and modeling, scenario modeling, IR signature measurement, and signature-related electronic combat analysis and testing. A significant expertise and capability in low observables technology and its applications reside in STL.

Systems Development Laboratory (SDL). This laboratory has long been active in research on radar and related technologies in support of national defense preparedness. A major element of this research is focused on providing accurate simulations of foreign radar systems and associated sub-systems that are regarded as threats to national security. Major efforts have also been directed to exploitation of foreign materiel, systems, and sub-systems, leading to the compilation of a broad intelligence data base within the laboratory. The experience gained in these areas over more than two decades of work with foreign systems analysis and development is a capability not duplicated at any other university research center. As threat systems have evolved toward more complex systems with greatly increased capabilities, SDL has continued to meet the challenge through the development and fielding of advanced threat simulators using state-of-the-art devices, sub-systems, and design approaches. Many of the newer SDL threat simulator designs have incorporated phased array antennas, embedded computer systems, and pulse Doppler and linear frequency modulation (LFM) signal generation and associated signal processing concepts.

Locations and Facilities

GTRI is headquartered on the Georgia Tech campus, with offices and laboratories located in the Centennial Research Building, the Baker Building, the Electronics Research Building, the O'Keefe Building, the Manufacturing Research Center, the Georgia Center for Advanced Telecommunications Technology (GCATT), and the Techway Building. GTRI also operates a major off-campus leased facility approximately fifteen miles from the Georgia Tech campus, in Cobb County.

Other staff members provide on-site research and liaison activities for sponsors at national field offices located at Ft. Walton Beach, Florida; Huntsville, Alabama; Warner Robins, Georgia; Washington, D.C.; Fort Monmouth, New Jersey; and Dayton, Ohio.

GTRI facilities include laboratories in electronics, computer science and technology, the physical sciences, and most branches of engineering. A 52-acre field test site for research in electromagnetics, radio-direction finding, and propagation studies is located at GTRI's Cobb County facilities, along with a 1,300-foot far field antenna range and radar cross-section ranges, including one with a turntable capable of holding objects weighing up to 100 tons. GTRI researchers can also use a 14-acre satellite communications station south of Atlanta that includes two 105-foot diameter dish antennas and a 14,000 square foot building.

Interaction Within the Tech Community

GTRI enriches the Georgia Tech research environment for faculty and students by conducting externally sponsored, applications-oriented research programs that benefit the state, region, and nation. These programs, led by research faculty, have resulted in major technological advances for national defense, civilian needs, and industrial competitiveness, and have provided students with valuable career experiences. The integral role of GTRI in the Georgia Tech community includes collaborative research with academic faculty, courses originated by GTRI faculty, and joint service efforts.

Collaboration is strong between the faculties of GTRI and the academic schools and departments. Many GTRI researchers hold appointments as adjunct faculty members at Georgia Tech, serve on thesis advisory committees, and teach both academic and continuing education courses.

Service to Georgia

GTRI plays a vital role in stimulating economic development in Georgia. Through campus facilities and the regional offices of Georgia Tech's Economic Development Institute (EDI), Georgia's businesses and people can tap an array of technologies and experts at GTRI and Georgia Tech's academic units.

This assistance takes many forms, such as:

- Development of new technologies for Georgia's traditional industries
- Technical problem-solving by GTRI engineers and scientists
- Specialized chemical and materials analytical services
- Environmental and workplace safety audits and training
- Continuing education courses and seminars
- Support for the state's recruitment of technology industries

Georgia Tech is increasing its impact on Georgia's economic growth, and GTRI is actively involved in this effort.

Source: Office of the Vice President and Director, Georgia Tech Research Institute

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Table 6.12 GTRI Staff, October 1997

Personnel Group	Number	Percentage
A. GTRI Regular Employees		
I. Research Professional (by highest degree)		
Doctoral*	109	22.0%
Master's	291	59.0%
Bachelor's	90	18.0%
Other/No Degree	5	1.0%
Total Research Professional	**494**	
II. Support Staff	279	
Total GTRI Regular Employees	**773**	
B. Temporary/Other Employees		
I. Research Professional	87	
II Support Staff	71	
Total Temporary/Other	**158**	
C. Student Employees		
Graduate Research Assistants/Grad Co-ops	75	28.0%
Undergraduate Co-op Students	102	39.0%
Student Assistants	79	30.0%
Non-Tech Students	9	3.0%
Total Students	**265**	
Total GTRI Staff	**1,196**	

* Includes J.D.s and M.D.s

Table 6.13 GTRI Research Facilities, Fiscal Year 1997

Facility	Square Footage
On-campus Research Space	399,147
Off-campus Research Space	185,533
Total	584,680

Additional information about the Georgia Tech Research Institute can be found on the World Wide Web at URL: <<http://www.gtri.gatech.edu/>>. The Web includes additional information on GTRI's research laboratories and research areas, as well as the full text of the GTRI Annual Report, Research Horizons Magazine, The GTRI Connector newspaper, and news releases about research accomplishments. Current position listings are also available.

CONTACT FOR ADDITIONAL INFORMATION: John Toon, Research Communications Office. Phone: 404-894-6986, FAX: 404-894-6983, Internet: john.toon@edi.gatech.edu.

Source: Office of the Vice President and Director, Georgia Tech Research Institute

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Fig. 6.2. Locations of GTRI National Field Offices

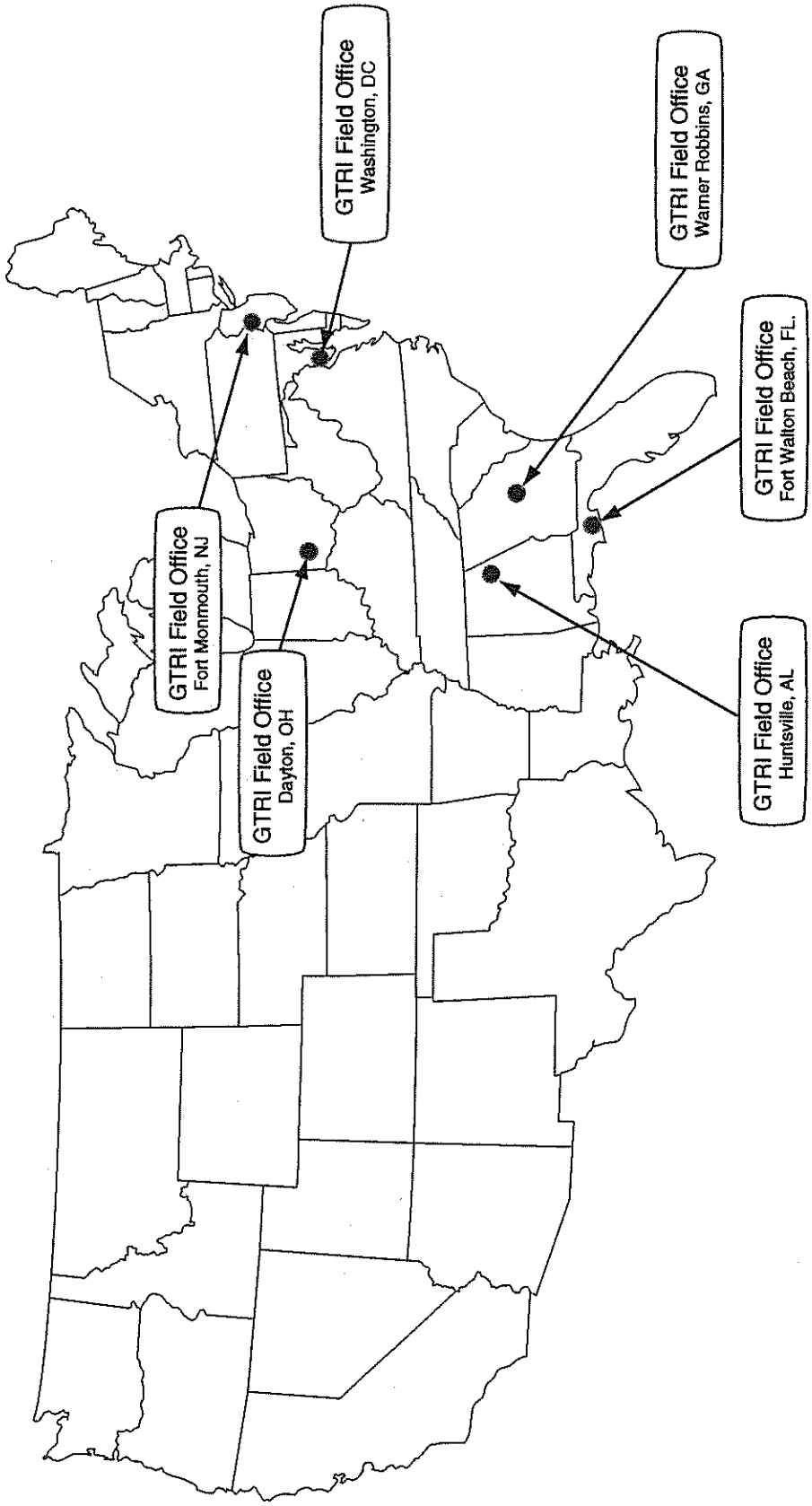

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Fig. 6.3 GTRI Research Awards
(Dollars in Millions)

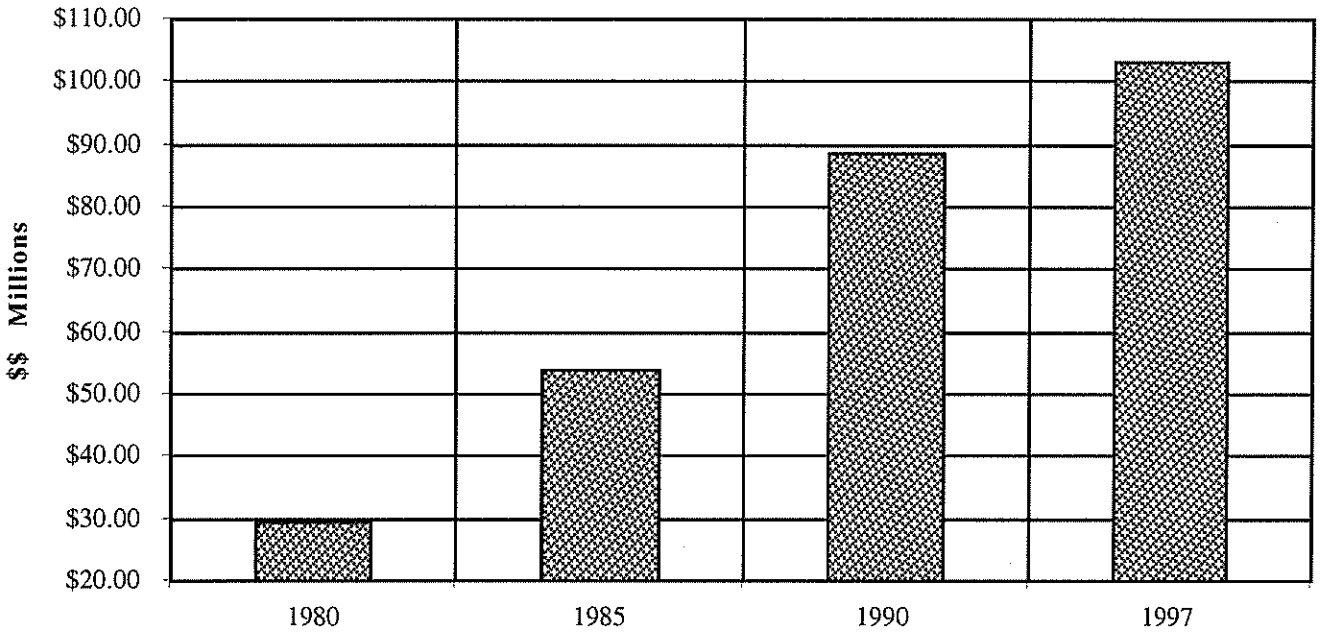
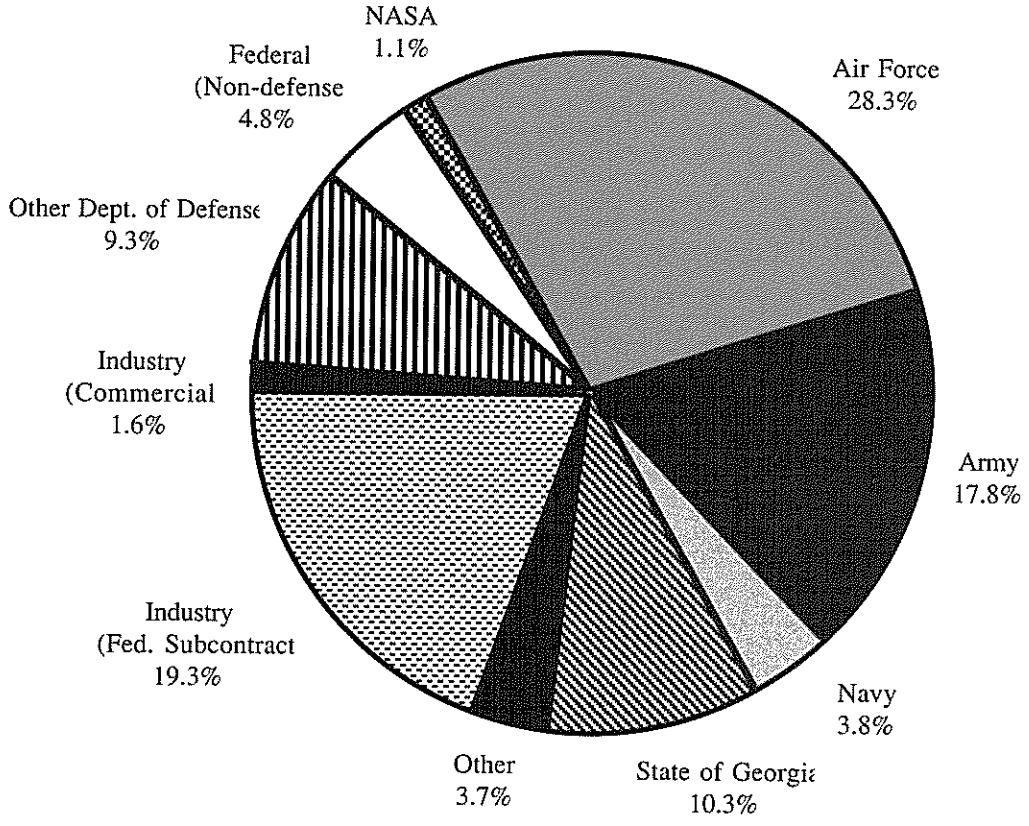
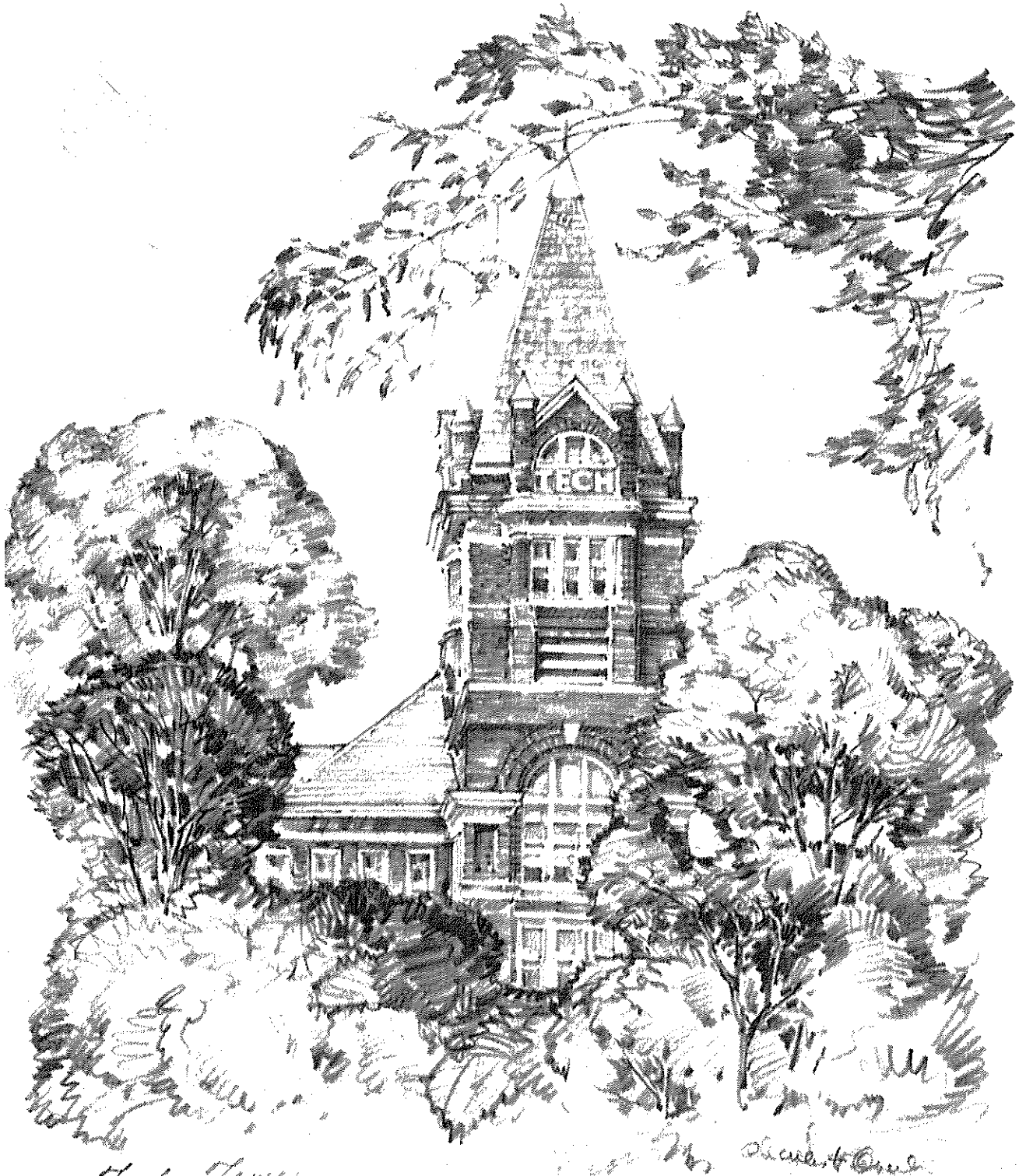


Fig. 6.4 Major GTRI Customers
Fiscal Year 1997



Source: Office of the Vice President and Director, Georgia Tech Research Institute



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