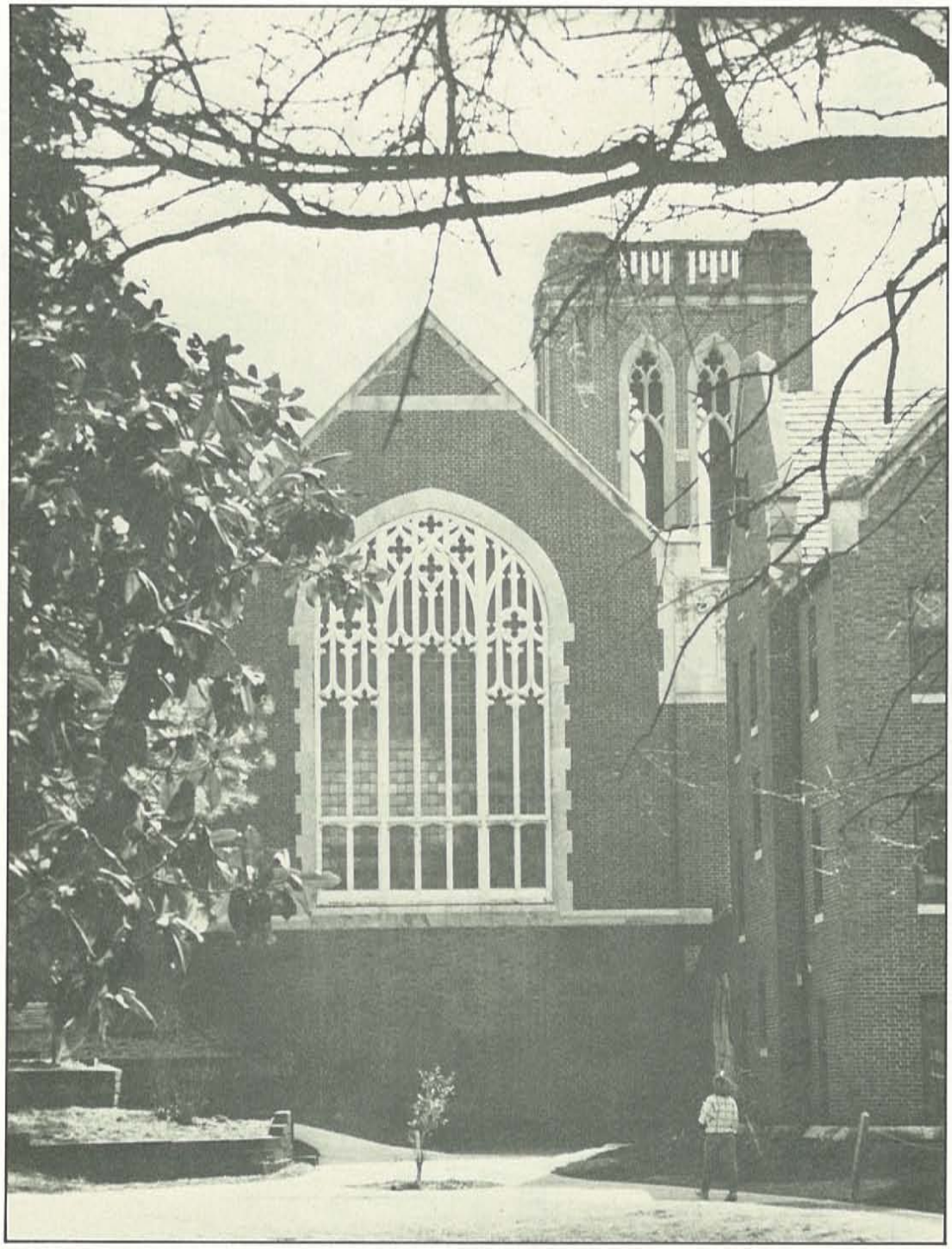
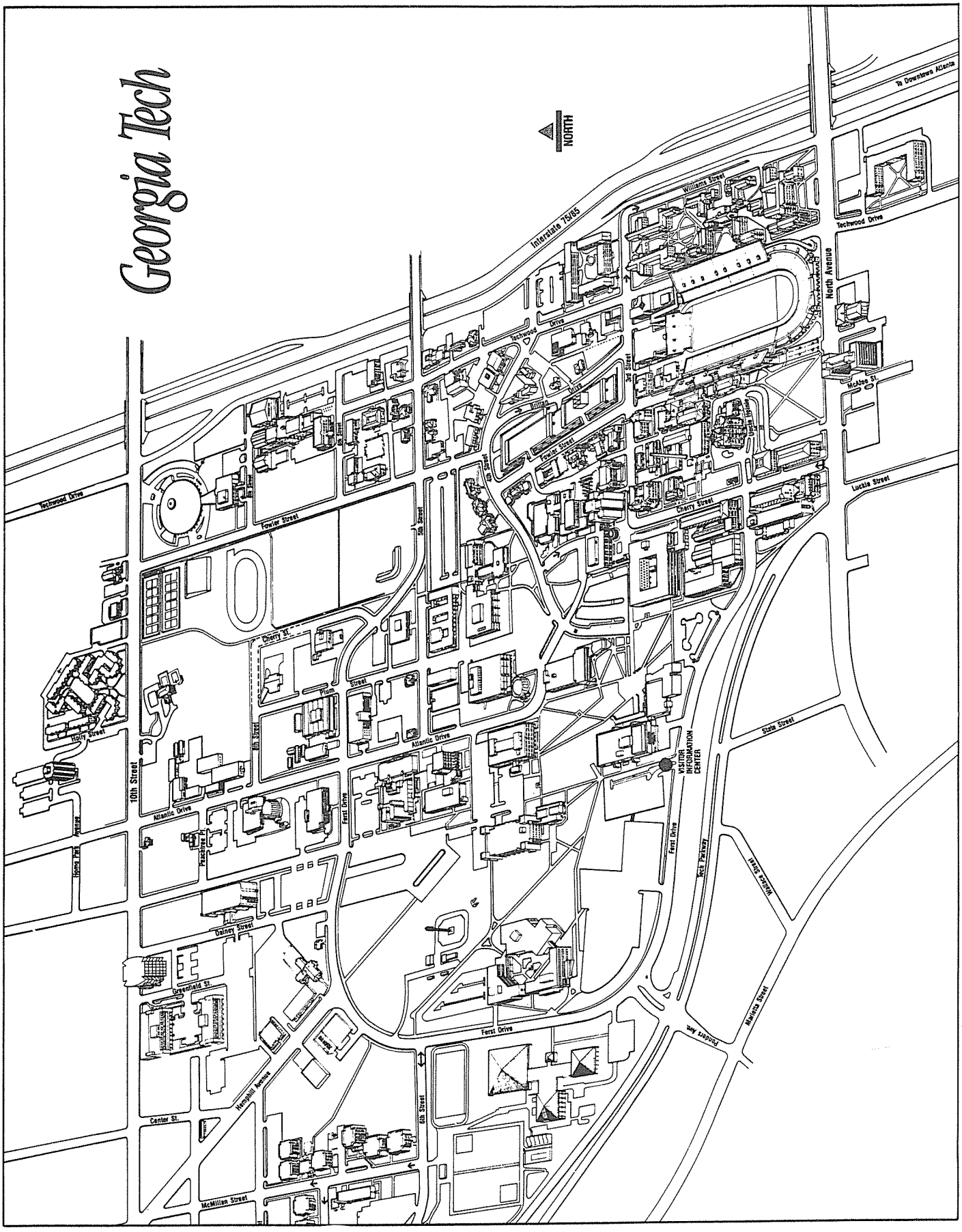
1986-87
FACT BOOK



View of Brittain Dining Hall

Office of the Vice-president
for Academic Affairs
Georgia Institute of Technology
Atlanta, Georgia 30332-0330

Edited by Rae Adams


Georgia Tech
NORTH
Interstate 75/85
To Downtown Atlanta
Williams Street
Techwood Drive
North Avenue
Techwood Drive
Fowler Street
5th Street
Cherry St.
Plum Street
Atlantic Drive
Forest Drive
10th Street
Hemphill Avenue
Center St.
McMillan Street
6th Street
Dalney Street
Greenfield St.
Hemphill Avenue
Peachtree St.
Home Park Avenue
Holly Street
Techwood Drive
Fowler Street
Cherry Street
Luckie Street
McAfee St.
State Street
VISITOR INFORMATION CENTER
Forest Drive
Bobby Dodd Parkway
Marietta Street
Forsyth Ave.
Marietta Street

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Text, bar charts, and pie charts were done on the Xerox 8010 "Star" Information System.

PROFILE OF METROPOLITAN ATLANTA

CHAMBER OF COMMERCE 1300 North Omni International
Atlanta, Georgia 30303
404/521-0845

Metropolitan Area 5,147 square miles; 18 counties; 96 incorporated cities and towns

Population 2,460,700

Climate Average annual temperature, 60.8° F; January monthly mean, 42.2° F; July monthly mean, 78.0° F; average annual precipitation, 48.34 inches. Cold spells are short-lived, with daily minimum temperatures seldom below freezing. Atlanta's climate permits year-round business operations with only rare work stoppages due to the weather. Its impact is also demonstrated in lower fuel, construction, and maintenance costs.

Selected National Rankings Population, 10th; Households, 9th; Enplaned Air Passengers, 2nd; Number of Residential Units Authorized by Permit, 3rd; Total Retail Sales, 10th; Net Effective Buying Income, 13th; Valuation of Total Private Nonresidential Construction, 5th; Population 35-49 Years of age, 10th; Aggregate $ Volume, Bank Clearings, 5th.

Transportation *Aviation*: Hartsfield Atlanta International Airport: sixteen passenger airlines operate out of Hartsfield, flying direct to about 119 cities. Sixteen general aviation airports throughout the metropolitan area supplement the services of Hartsfield by catering to private and charter aircraft. *Railroads*: Two railway systems, the Southern Railway System and the Seaboard System. *Motor Freight*: Several hundred regulated "for hire" motor carriers hold certificated authority from the Interstate Commerce Commission and/or the Georgia Public Service Commission. *Intercity Buses:* Three buslines, Greyhound Lines, Southeastern States, Trailways Bus System. *MARTA (Metropolitan Atlanta Rapid Transit Authority:)* MARTA's combined bus/rail ridership is more than 110 million annually.

Communications Eight daily newspapers; over thirty weekly and bi-weekly newspapers; eight television stations; forty-five FCC licensed radio stations. *Telephone Service:* The metro area is one of the largest geographic areas in the U.S. offering International Direct Distance Dialing. Atlantans can call on a local basis, without any long distance charge, within a 3,300 square mile calling area.

Facilities George L. Smith Georgia World Congress Center, which contains the largest single-floor exhibition space in the U.S.; Atlanta Civic Center, a multi-use facility with exhibition space and a performance hall; the Omni, which hosts conventions and concerts and can accomodate 18,000; 25,000 hotel and motel rooms.

Banking Home of Southeastern regional offices of the Federal Reserve Bank and Federal Home Loan Bank; nineteen foreign banks; sixty-three commercial banks, fourteen of which are national; nineteen savings and loan associations.

Industries Leading Atlanta industries are metals and machinery; transportation equipment; food and kindred products; printing and publishing; textiles and apparel--a diversity indicating that Atlanta's economy is not heavily dependent on any single industry. Atlanta manufacturing activity is predominantly high value-added rather than the low value-added, labor-intensive industries found in many rural areas.

Shopping More than 250 shopping centers totaling over twenty million square feet; Atlanta Merchandise Mart, two million square feet with 600 permanent showrooms for wholesale dealers; Atlanta Apparel Mart, 1.2 million square feet with over 1,000 permanent showrooms; Atlanta Decorative Arts Center.

Education Twenty-two public school systems; twenty-nine degree-granting colleges and universities and seven junior colleges; vocational-technical schools; over 125 private business and career schools. Located thgroughout the area, Atlanta's private schools also offer a diversity of facilities and services for both average and exceptional children.

Research & Science Centers Fernbank Science Center; Centers for Disease Control; Yerkes Primate Research Center; Emory University medical research; Georgia Tech Research Institute and Georgia Tech's Advanced Technology Development Center.

Libraries The Atlanta Public Library System has a central library in downtown Atlanta and twenty-four branch libraries. The system makes available over one million books; almost three thousand films; and a large selection of periodicals, records, cassettes, and framed art prints. Additionally, most counties or municipalities in the metropolitan region maintain library systems. The numerous colleges and universities in the area also maintain excellent libraries.

PROFILE OF METROPOLITAN ATLANTA

Housing Atlanta boasts some of the most beautiful residential areas in the South, and many are close-in to downtown. Adding to the appeal of climate and scenic beauty is the availability of varied types of housing.

Medical Facilities Extensive hospital, research, and educational facilities make Atlanta a regional center for health care and a national center in the field of medical research.

Religion The religious sector is a very significant facet of community life in Atlanta. There are over 1,500 churches and synogogues in the metropolitan area representing some 65 creeds and denominations. Atlanta is also the headquarters for many church organizations.

The Arts Atlanta Memorial Arts Center, which contains facilities for drama, dance, a symphony orchestra, a museum and a college of art in one complex--the High Museum of Art, the Atlanta Symphony Orchestra, the Alliance Theatre, the Atlanta Children's Theatre, and the Atlanta College of Art; Callanwolde interdisciplinary arts center; the Arts Festival; Atlanta Symphony Orchestra free concerts in Piedmont Park in the summer.

Entertainment Varied attractions such as the Swan House; Grant Park Zoo and Cyclorama; the Wren's Nest; Stone Mountain Memorial Park; Martin Luther King, Jr. Center for Social Change; Six Flags Over Georgia; Peachtree Center Complex; Omni Complex; quality restaurants; specialty shops.

Sports and Recreation *Sports:* Atlanta Fulton County Stadium (major league baseball--Braves; football, the Falcons) with seating for 59,000; the Omni Coliseum, home of the Atlanta Hawks (basketball); collegiate athletic competitions; auto races and road racing; golf tournaments; several major tennis tournaments; an annual steeplechase and hunter-jumper horse show; professional motorcycle and motorcross events. *Recreation Facilities:* Lake Lanier and Lake Allatoona; Chattahoochee River; over thirty golf courses; over 180 tennis courts; nearby Appalachian Trail, Cohutta Wilderness Area (at 34,000 acres the largest natural wilderness area in the eastern U.S.), and ski resorts.

Source: Atlanta Chamber of Commerce: *Atlanta Facts; Atlanta MSA: Growth Statistics*

Atlanta skyline as seen from Georgia Tech

CHRONOLOGICAL HIGHLIGHTS OF THE HISTORY OF GEORGIA TECH

1882 Harry Stillwell Edwards publishes an editorial in the Macon *Telegraph and Messenger* urging the establishment of a polytechnic college. Nathaniel E. Harris, a state legislator from Macon who is later to be known as "the father of Georgia Tech," introduces in the Georgia Legislature a resolution to create a committee to investigate the feasibility of a technical school in Georgia. The resolution is approved.

1885 On 13 October the Georgia Legislature passes a bill appropriating $65,000 to found a technical school. This date is considered Tech's "birthday "

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 8 October, with the School of Mechanical Engineering and departments of Chemistry, Mathematics, and English.

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.

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 *Blueprint*, appears. The Department of Architecture is established.

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.

1919 The Legislature authorizes the Engineering Experiment Station.

1920 The national Alumni Association convenes its first meeting.

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.

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.

1938 The Industrial Development Council, (forerunner of the Georgia Tech Research Corporation) is created to be the contractual agency for the Engineering Experiment Station.

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.

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.

CHRONOLOGICAL HIGHLIGHTS OF THE HISTORY OF GEORGIA TECH

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 Black students are admitted to Tech. 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.

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, and the School of Architecture becomes the College of Architecture. The Georgia Legislature designates the Engineering Experiment Station as the Georgia Productivity Center. Georgia is the first state to designate such a center to encourage business productivity. Tech joins the Metro-6 athletic conference.

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 formed.

1979 The Computational Mechanics Center is formed.

1980 Southern Tech becomes an independent four-year college of engineering technology. The Center for Rehabilitation Technology is formed.

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.

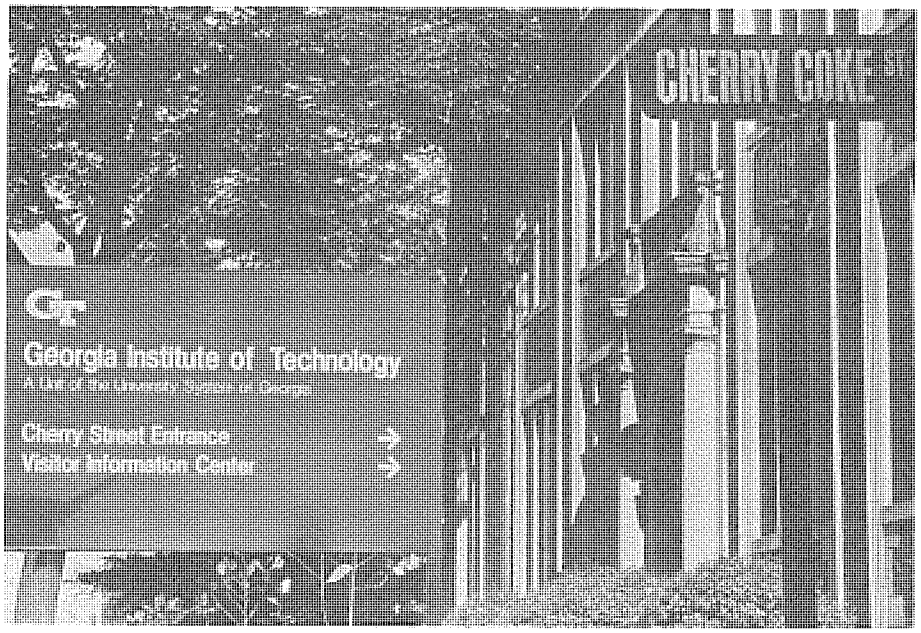
1983 The Research Center for Biotechnology is created.

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.

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.

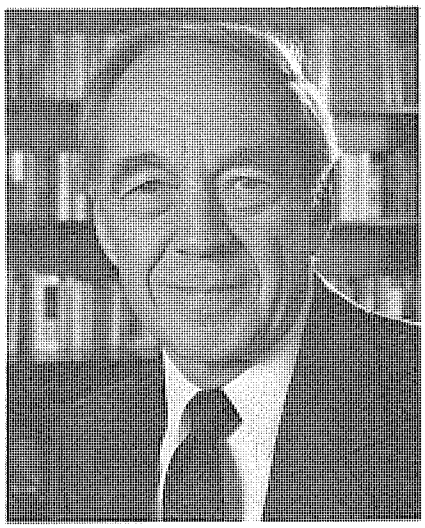
1986 The Center for the Enhancement of Teaching and Learning, and the College of Architecture Construction Research Center are established.

Source: Office of Publications



PRESIDENTS OF GEORGIA TECH

Joseph Pettit (1916-1986), Tech's eighth president, at his inauguration in 1972



Henry C. Bourne, Jr., Acting President

PRESIDENTS OF GEORGIA TECH

1888-1896	Isaac S. Hopkins
1896-1905	Lyman Hall
1906-1922	Kenneth G. Matheson
1922-1944	Marion L. Brittain
1944-1956	Colonel Blake R. Van Leer
1956-1957	Paul Weber, Acting President
1957-1969	Edwin D. Harrison
1969-1969	Vernon Crawford, Acting President
1969-1971	Arthur G. Hansen
1971-1972	James E. Boyd, Acting President
1972-1986	Joseph M. Pettit
1986-present	Henry C. Bourne, Jr., Acting President

STATEMENT OF PURPOSE

The purpose of the Georgia Institute of Technology is to contribute to the fulfillment of the scientific and technical needs of the state of Georgia through education, research, and service.

This institute provides to well-prepared students, instruction and research experience that will equip them to perform to their maximum potential in a society with a technological base. Areas of special emphasis for professional careers are in the fields of engineering, the sciences, architecture, and management. Also of major importance for all students is a thorough foundation in the humanities and social sciences in order to provide a liberal education sensitive to the total human condition.

To sustain a leadership position in the national academic community and to serve the technical education needs of the state of Georgia, the Georgia Institute of Technology shall:

- maintain a faculty of recognized excellence;
- pursue a balanced offering of instruction, research, and service;
- provide a broad, relevant background in the fundamental disciplines, thorough instruction in areas of special emphasis, and an intellectual environment for discovery through research and innovation;
- promote a partnership between public and private sectors for the transfer of technology into the economic base of the state of Georgia;
- serve as a standard for excellence in the state, national, and international academic community in areas of special emphasis.

Source: Office of the President (approved by the Board of Regents, 7-8 June 1983)

BOARD OF REGENTS

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. It is comprised of Georgia's thirty-four state-operated institutions--four universities, fourteen senior colleges, sixteen junior colleges--and is governed by a constitutional Board of Regents.

The Board of Regents of the University System consists of 15 members. The members--five from the state-at-large, one from each of the ten Congressional districts--are appointed by the Governor and are confirmed by the State Senate. The term of appointment of all members is seven years.

The Board's authority includes the government, control, and management of all aspects of operation and development of the University System.

The Board receives all state appropriations for the University System and allocates these appropriations to the institutions and institution-related agencies. Current membership of the Board of Regents is provided below:

REGENT	DISTRICT	TERM
John Henry Anderson, Jr.	State-at-Large	1983-1990
Marie Walters Dodd	State-at-Large	1981-1988
Joseph D. Greene	State-at-Large	1984-1991
John E. Skandalakis	State-at-Large	1981-1988
Carolyn D. Yancey	State-at-Large	1985-1992
Arthur M. Gignilliat, Jr.	First	1983-1990
William T. Divine, Jr.	Second	1982-1989
William B. Turner	Third	1986-1993
Jackie M. Ward, Vice-Chair	Fourth	1984-1991
Elridge W. McMillan, Chairman	Fifth	1982-1989
Edgar L. Rhodes	Sixth	1985-1992
Lloyd L. Summer, Jr.	Seventh	1980-1987
Thomas H. Frier, Sr.	Eighth	1985-1992
Sidney O. Smith, Jr.	Ninth	1980-1987
John W. Robinson, Jr.	Tenth	1986-1993

STAFF OF THE BOARD OF REGENTS

H. Dean Propst — Chancellor

-- — Executive Vice Chancellor

Henry G. Neal — Executive Secretary

Jacob H. Wamsley — Fiscal Affairs/Treasurer

W. Ray Cleere — Academic Affairs

Frederick O. Branch — Facilities

-- — Services

Thomas F. McDonald — Student Services

Haskin R. Pounds — Research & Planning

Source: Office of the Board of Regents

INSTITUTIONAL AND PROFESSIONAL ACCREDITATION

Institutional Accreditation

Georgia Tech is accredited by the Southern Association of Colleges and Schools. A self-study was conducted, and reaffirmation was awarded in 1984.

Professional Accreditation

The Accreditation Board for Engineering and Technology has awarded accreditation to the four-year engineering curricula leading to bachelor's degrees in the following fields: aerospace engineering, ceramic engineering, chemical engineering, civil engineering, electrical engineering, engineering science and mechanics, industrial engineering, mechanical engineering, nuclear engineering, and textile engineering; and to the graduate programs leading to master's degrees in the fields of metallurgy and environmental engineering.

The American Chemical Society has certified the curriculum leading to the bachelor's degree in chemistry. The program leading to the Bachelor of Science in Information and Computer Science is accredited by the Computing Sciences Accreditation Board.

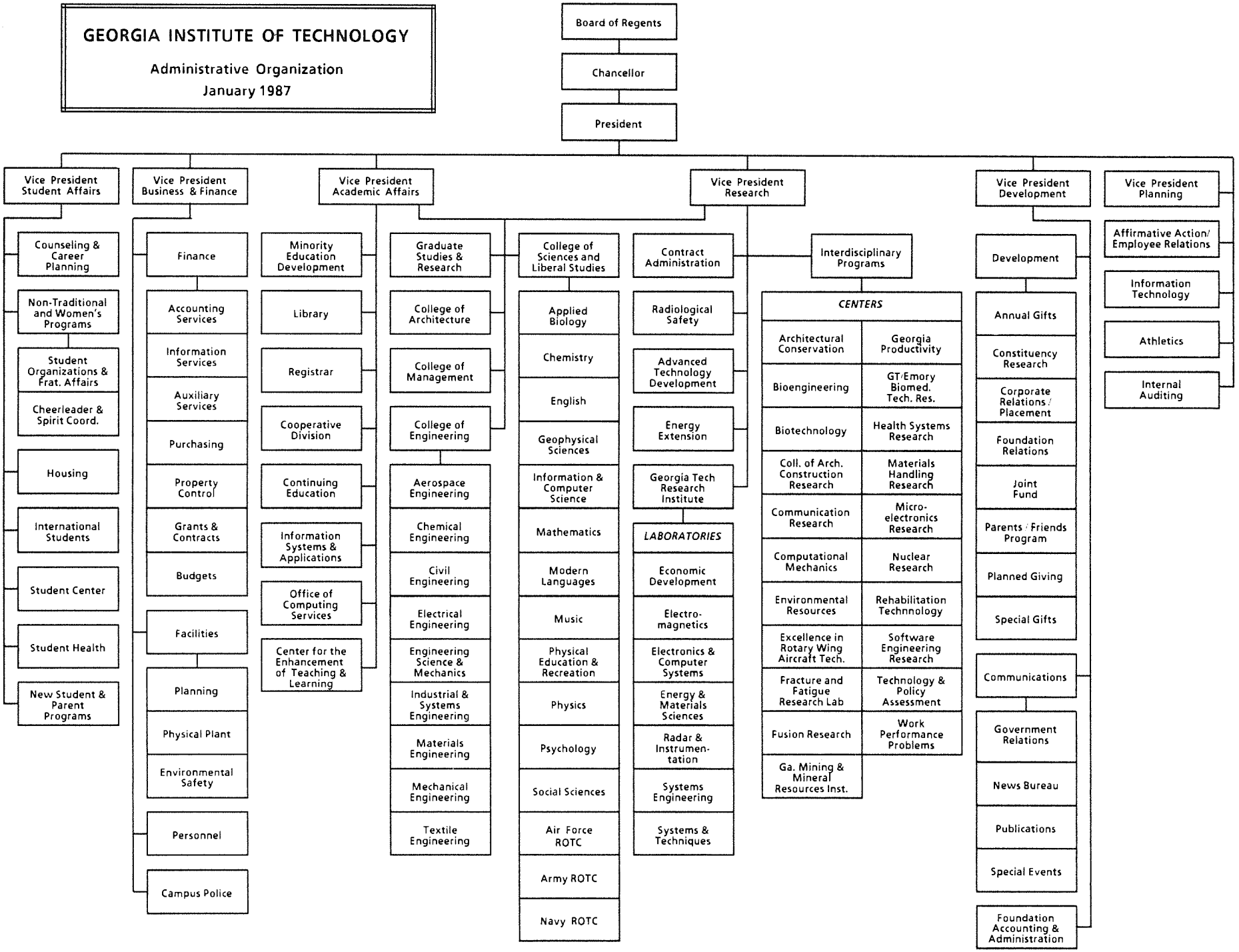
In the College of Architecture, the program leading to the Bachelor of Science in Industrial Design has been reviewed and recognized by the Industrial Designers Society of America. The National Architectural Accrediting Board has accredited the curriculum leading to the Master of Architecture. The Master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

All of the degree programs of the College of Management 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, Bachelor of Science in Economics, and Master of Science in Management.

Source: Office of the Vice President for Academic Affairs

GEORGIA INSTITUTE OF TECHNOLOGY

Administrative Organization
January 1987



ADMINISTRATION

Office of the President

Henry C. Bourne, Jr.	Acting President
James R. Stevenson	Executive Assistant to the President
E. Janice Gosdin-Sangster	Assistant to the President
Homer C. Rice	Assistant to the President/ Athletics
John H. Gibson	Assistant to the President/Employee Relations and Affirmative Action
Albert P. Sheppard	Assistant to the President/Information Technology

Office of the Vice President for Academic Affairs

John W. Hooper	Acting Vice President
E. Jo Baker	Associate Vice President
William J. Lnenicka	Associate Vice President
Gary W. Poehlein	Associate Vice President for Graduate Studies and Research, and Dean, Graduate Studies
William J. Gamble, Jr.	Director, Minority Educational Development
Miriam A. Drake	Director, Library
Frank E. Roper, Jr.	Registrar
Edward H. Loveland	Acting Director, Center for the Enhancement of Teaching and Learning

Office of the Vice President for Research

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Albert P. Sheppard, Jr.	Associate Vice President
Gary W. Poehlein	Associate Vice President for Graduate Studies & Research
Richard Meyer	Director, Advanced Technology Development Center
J. W. Dees	Director, Contract Administration
Donald J. Grace	Director, Georgia Tech Research Institute
A. Raymond Moore	Director, Research Communications
Robert M. Boyd	Director, Radiological Safety
Fred A. Rossini	Director, Office of Interdisciplinary Programs

College of Management

Gerald J. Day	Dean
H. Joseph Reitz	Associate Dean
Andrew J. Cooper, III	Assistant Dean/Administration
Marilu H. McCarty	Assistant Dean/Academic Programs

College of Architecture

William L. Fash	Dean
John A. Kelly	Associate Dean
A. Frank Beckum	Assistant Dean

ADMINISTRATION

College of Sciences & Liberal Studies

Les A. Karlovitz	Dean
Thomas G. Tornabene	Director, School of Applied Biology
Robert A. Pierotti	Director, School of Chemistry
C. S. Kiang	Director, School of Geophysical Sciences
Raymond E. Miller	Director, School of Information & Computer Science
William F. Ames	Director, School of Mathematics
Edward W. Thomas	Director, School of Physics
Anderson D. Smith	Director, School of Psychology
Daniel S. Papp	Director, School of Social Sciences
Colonel Winston K. Pendleton	Head, Department of Air Force ROTC
Lt. Colonel Patrick H.Linhares	Head, Department of Army ROTC
Elizabeth Evans	Acting Head, Department of English
J. Carroll Brooks	Acting Head, Department of Modern Languages
Gregory Colson	Head, Department of Music
Captain Dennis Y. Sloan	Head, Department of Navy ROTC
James A. Reedy	Head, Department of Physical Education & Recreation

College of Engineering

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W. Denney Freeston, Jr.	Associate Dean
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Robin Gray	Acting Director, School of Aerospace Engineering
Ronald W. Rousseau	Director, School of Chemical Engineering
J. Edmund Fitzgerald	Director, School of Civil Engineering
Demetrius T. Paris	Director, School of Electrical Engineering
Michael E. Thomas	Director, School of Industrial & Systems Engineering
Stephen A. Antolovich	Director, School of Materials Engineering
John A. Brighton	Director, School of Mechanical Engineering
Albin F. Turbak	Director, School of Textile Engineering

Office of the Registrar

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David Gray	Acting Director, Financial Aid
Annette Satterfield	Director, Records
M. Jo McIver	Director, Registration
James L. Garner	Director, Undergraduate Recruiting

Graduate Studies

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Helen E. Grenga	Assistant Vice President for Graduate Studies and Research

ADMINISTRATION

Library

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Helen R. Citron	Associate Director

Dean of Student Affairs

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Edwin P. Kohler	Associate Vice President/Student Affairs
Carole E. Moore	Assistant Vice President/Student Affairs
Stephen C. Leist	Assistant to the Vice President/Fraternity Affairs
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Barbara J. Winship	Director, Counseling & Career Planning
Gary J. Schwarzmueller	Director, Housing
M. Jo Benson-Ivey	Director, New Student & Parent Programs
Roger E. Wehrle	Director, Student Center
J. Nicholas Gordon	Director, Student Health

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Rand Childs	Associate Director, Computing Services
Ray Spaulding	Associate Director, Computing Services
Gary G. Watson	Director, Information Systems and Applications

Georgia Tech Research Institute

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Gerald J. Carey	Associate Director
Howard G. Dean, Jr.	Associate Director
Robert G. Shackelford	Associate Director
James C. Wiltse	Associate Director
David S. Clifton, Jr.	Director, Economic Development Laboratory
R.G. Shackelford	Acting Director, Electromagnetics Laboratory
Fred L. Cain	Director, Electronics & Computer Systems Laboratory
Hans O. Spauschus	Director, Energy & Materials Sciences Laboratory
Edward K. Reedy	Director, Radar & Instrumentation Laboratory
Charles K Watt	Director, Systems & Techniques Laboratory
Robert P. Zimmer	Director, Systems Engineering Laboratory

ADMINISTRATION

Interdisciplinary Programs

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Don P. Giddens	Co-Director, Bioengineering Center, and Co-Director, Georgia Tech/Emory University Biomedical Technology Research Center
James C. Toler	Co-Director, Bioengineering Center
Stephen Antolovich	Director, Fracture & Fatigue Research Laboratory
Satyanadham Atluri	Director, Computational Mechanics Center
Eric J. Clayfield	Director, Georgia Minerals & Mining Research Institute
C. Howard Grimes	Director, Center on Work Performance Problems
Daniel P. Schrage	Director, Center of Excellence in Rotary Wing Aircraft Technology
N. Walter Cox	Director, Microelectronics Research Center
Bernd Kahn	Director, Environmental Resources Center
Richard J. Martin	Director, Rehabilitation Technology Center
E.P. Ellington	Director, Georgia Productivity Center
John H. Myers	Director, Center for Architectural Conservation
Justin Myrick	Director, Health Systems Research Center
Weston Stacey	Director, Fusion Research Center
Thomas G. Tornabene	Director, Research Center for Biotechnology
John A. White	Director, Materials Handling Research Center
Joan Pettigrew	Director, Communication Research Center
Ratab A. Karam	Director, Nuclear Research Center
Richard DeMillo	Director, Software Engineering Research Center
William L. Fash	Acting Director, College of Architecture Construction Research Center

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C. Evan Crosby	Associate Vice President/Finance
Clyde D. Robbins	Associate Vice President/Facilities
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John Gibson	Director, Personnel
Joel Hubbard	Director, Accounting Services
H. T. Marshall	Director, Internal Auditing
Frank Murphy	Director, Property Control
G. Les Petherick	Director, Environmental Safety
Billy B. Portwood	Director, Budgets
James L. Priest	Director, Physical Plant
David O. Savini	Director, Campus Planning
Jack Vickery	Director, Campus Safety
Roger E. Wehrle	Director, Auxiliary Services
David V. Welch	Director, Grants and Contracts
Michael J. Brandon	Director, Information Services

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Clyde D. Robbins	Vice President
David O. Savini	Director, Campus Planning

ADMINISTRATION

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Charles E. Gearing	Associate Vice President
Catherine C. Inabnit	Director for Development/Parents and Friends
Laura Zipperer	Acting Director for Development/Constituency Research
Michael Pollock	Director for Development/Joint Fund Tech & UGA
Bonnie B. Johnson	Director for Development/Special Gifts
William T. Lee	Director for Development/Planned Giving
Linda W. McNay	Director for Development/Annual Giving
Mary Kay Murphy	Director for Development/Foundation Relations
James B. Osborne	Director for Corporate Relations and Placement
Mary E. Stoffregen	Director for Accounting & Administration
Patrick J. McKenna	Secretary, Georgia Tech Foundation, Inc.

Communications

Cecil R. Phillips	Associate Vice President
Thomas K. Hamall	Director, Government Relations
Charles E. Harmon	Director, News Bureau
Thomas L. Vitale	Director, Publications, and Director, Special Events

Office of Contract Administration

J. W. Dees	Director
Milton P. Stombler	Associate Director, Office of Contract Administration, and Director, Office of Technology Transfer
Ronald M. Bell	Associate Director

Education Extension

Clifford R. Bragdon	Director, Continuing Education
Louis J. Zahn	Director, Foreign Language Institute
William H. Hitch	Director, Cooperative Division

Advanced Technology Development Center

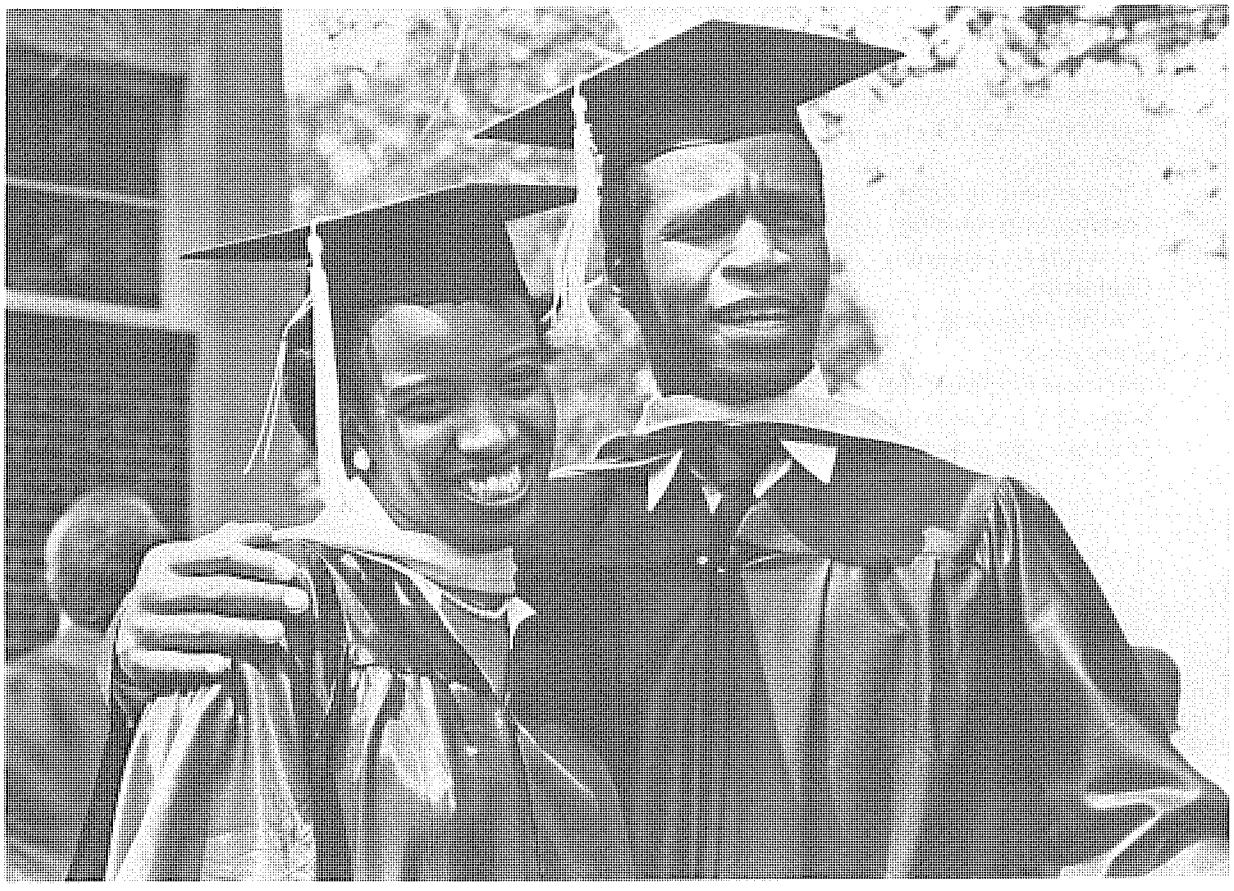
Richard T. Meyer	Acting Director
H. Wayne Hodges	Associate Director

DEGREES OFFERED

Curricula are offered leading to Bachelor's degrees in the following disciplines:

Aerospace Engineering
Ceramic Engineering
Chemical Engineering
Civil Engineering
Computer Engineering*
Electrical Engineering
Engineering Science & Mechanics
Industrial Engineering
Mechanical Enginering
Nuclear Engineering
Textile Engineering
Science
Applied Biology
Applied Mathematics
Applied Physics
Applied Psychology
Building Construction
Chemistry
Economics
Health Physics
Information & Computer Science
Industrial Design
Management
Management Science
Physics
Textile Chemistry
Textiles

* This program recently has been approved by the Board of Regents. The first graduating class will be in 1987, provided that accreditation is received.



DEGREES OFFERED

Programs of study and research leading to Master's degrees are offered in the following disciplines:

Aerospace Engineering
Architecture
Applied Biology
Applied Mathematics
Applied Physics
Atmospheric Sciences
Ceramic Engineering
Chemical Engineering
Chemistry
City Planning
Civil Engineering
Electrical Engineering
Engineering Science & Mechanics
Environmental Engineering
Geophysical Sciences
Health Physics
Health Systems
Industrial & Systems Engineering
Information & Computer Science
Management
Mechanical Engineering
Metallurgical Engineering
Nuclear Engineering
Operations Research
Physics
Polymers
Psychology
Statistics
Technology & Science Policy
Textile Chemistry
Textile Engineering
Textiles

Programs of study and research leading to the Ph.D. degree are offered in the following disciplines and areas:

Aerospace Engineering
Applied Biology
Architecture
Atmospheric Sciences
Ceramic Engineering
Chemical Engineering
Chemistry
Civil Engineering
Economics
Electrical Engineering
Engineering Science & Mechanics
Environmental Engineering
Geophysical Sciences
Health Physics
Industrial & Systems Engineering
Information & Computer Science
Management
Mathematics
Mechanical Engineering
Metallurgy
Nuclear Engineering
Operations Research
Physics
Psychology
Textile Engineering

Source: Office of the Registrar

Student/Faculty Profiles

FRESHMAN PROFILE
FALL QUARTER 1986

FALL 1986

PERCENTILE	HIGH SCHOOL AVERAGE	SAT* VERBAL	SAT* MATHEMATICS	SAT* TOTAL
90	4.0	654	744	1,398
80	3.9	615	716	1,331
70	3.8	589	696	1,285
60	3.7	562	674	1,236
50	3.6	542	657	1,199
40	3.5	523	635	1,158
30	3.4	503	614	1,117
20	3.3	477	592	1,069
10	3.1	442	560	1,002
AVERAGE	**3.5**	**541**	**646**	**1,187**

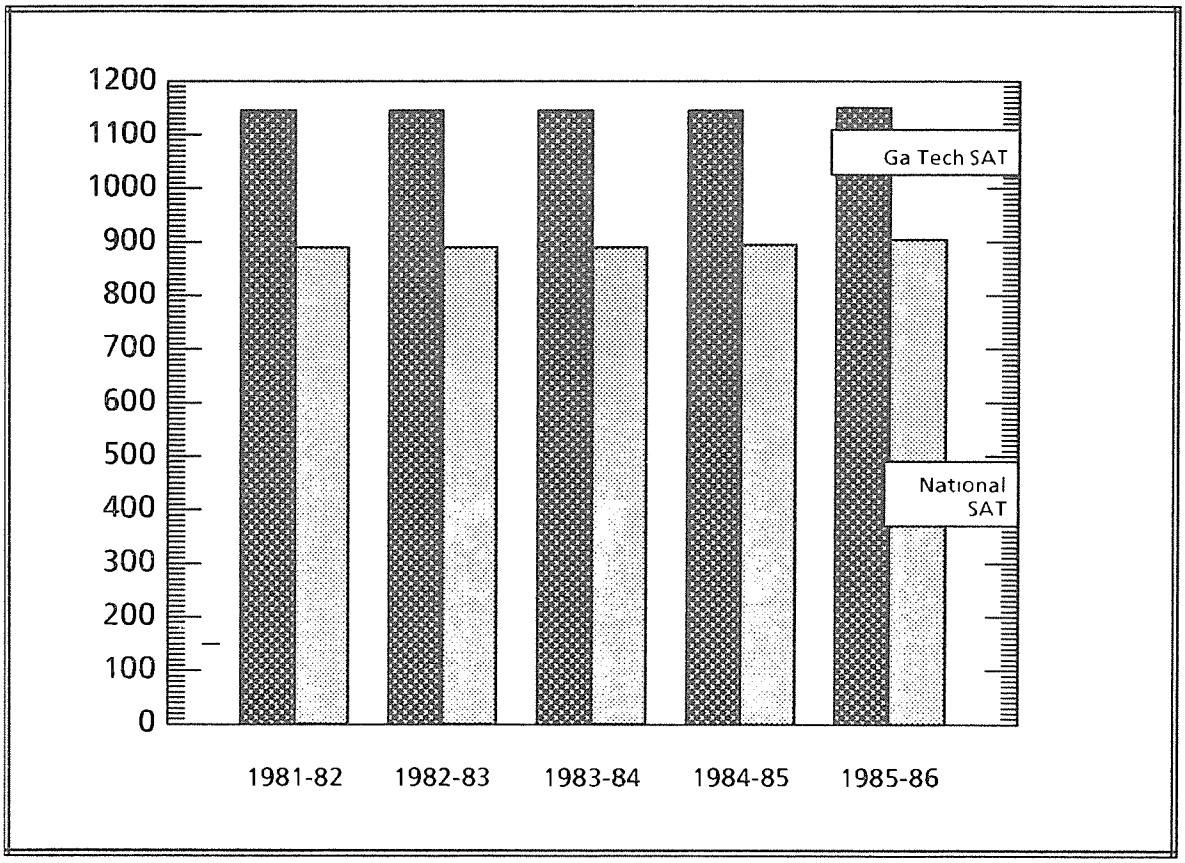
FALL 1981

PERCENTILE	HIGH SCHOOL AVERAGE	SAT* VERBAL	SAT* MATHEMATICS	SAT* TOTAL
90	4.0	647	723	1,370
80	3.9	604	695	1,249
70	3.8	576	673	1,244
60	3.7	552	654	1,206
50	3.6	532	636	1,168
40	3.5	511	617	1,128
30	3.4	491	597	1,088
20	3.2	464	576	1,040
10	3.0	430	536	966
AVERAGE	**3.5**	**530**	**628**	**1,158**

*Scholastic Aptitude Test

Source: Office of the Registrar

AVERAGE SCHOLASTIC APTITUDE TEST COMPOSITE SCORES FOR ENTERING FRESHMEN



YEAR	GEORGIA TECH CUMULATIVE ENROLLMENT AVERAGE SAT*	NATIONAL AVERAGE SAT*
1985-86	1151	906
1984-85	1147	897
1983-84	1149	893
1982-83	1149	893
1981-82	1147	890

*Scholastic Aptitude Test

Source: Office of the Registrar

FRESHMAN NATIONAL MERIT SCHOLARS

FRESHMAN NATIONAL MERIT SCHOLARS, 1982-86

Numerical Rank 1985-86	Institute	Type	1982/ 1983	1983/ 1984	1984/ 1985	1985/ 1986
1	Harvard/Radcliffe Colleges	Private	295	297	323	318
2	University of Texas	Public	130	223	273	271
3	Rice University	Private	172	155	169	179
4-5	Yale University	Private	171	156	187	167
4-5	Texas A & M University	Public	190	172	162	167
6	Princeton University	Private	190	197	168	163
7	Stanford University	Private	107	139	142	153
8	M.I.T.	Private	152	117	133	143
9	Northwestern University	Private	142	126	86	120
10	Michigan State University	Public	98	118	128	117
11	Carleton College	Private	98	85	100	111
12	**GEORGIA TECH**	**Public**	**116**	**94**	**94**	**108**
13	University of Chicago	Private	84	105	112	94
14	Trinity University	Private	30	54	121	89
15	University of Florida	Public	105	102	82	85
16	University of Michigan	Public	45	64	77	77

1985-86 NATIONAL MERIT SCHOLARS AS A PERCENTAGE OF FRESHMAN CLASS, PUBLIC SCHOOLS

Institute	Enrollment	Merit Scholars	Percentage of Freshman Class
GEORGIA TECH	**1,794**	**108**	**6.0%**
University of Texas	6,299	271	4.3%
Texas A & M University	5,498	167	3.0%
Michigan State University	6,684	117	1.8%

Source: Office of the Director, Financial Aid

FRESHMAN NATIONAL ACHIEVEMENT SCHOLARS

FRESHMAN NATIONAL ACHIEVEMENT SCHOLARS, 1982-86

Numerical Rank 1985-86	Institute	Type	1982/ 1983	1983/ 1984	1984/ 1985	1985/ 1986
1	Harvard/Radcliffe Colleges	Private	47	40	57	57
2	University of Texas	Public	15	26	47	37
3	Stanford University	Private	37	30	28	30
4	Yale University	Private	23	17	24	26
5	Princeton University	Private	26	26	27	24
6	**GEORGIA TECH**	**Public**	**24**	**28**	**24**	**21**
7	Brown University	Private	14	16	13	20
8	University of Michigan	Public	16	14	16	18
9	M.I.T.	Private	17	29	23	17

1985-86 NATIONAL ACHIEVEMENT SCHOLARS AS A PERCENTAGE OF FRESHMAN CLASS, PUBLIC SCHOOLS

Institute	Enrollment	Achievement Scholars	Percentage of Freshman Class
GEORGIA TECH	**1,794**	**21**	**1.17%**
University of Texas	6,299	37	0.59%

Source: Office of the Director, Financial Aid

PRESIDENT'S SCHOLARSHIP PROGRAM

FIVE YEAR SUMMARY OF ENTERING FRESHMEN

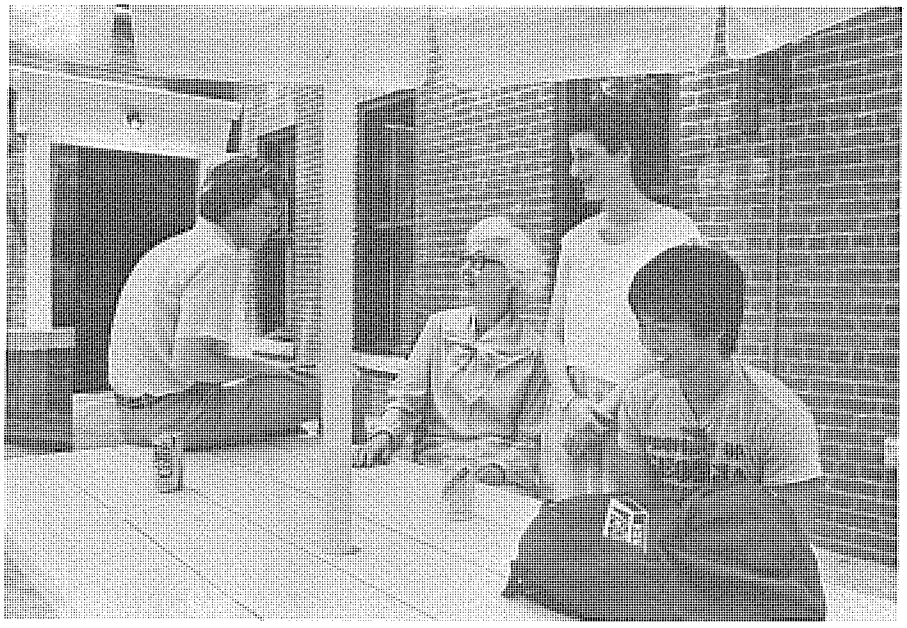
	Mean HSA	Mean SAT	Georgia Male	Georgia Female	Out-of-State Male	Out-of-State Female	Total
1986-87[a]	3.9	1428	36	8	23	2	69
1985-86[b]	3.9	1437	32	8	20	3	63
1984-85[c]	3.9	1432	25	10	7	2	44
1983-84[d]	3.9	1418	15	7	5	0	27
1982-83[e]	3.9	1425	8	3	2	1	14
Program Total/Average (1981-1986)	**3.9**	**1431**	**121**	**37**	**57**	**8**	**223**

[a]States represented: AK, AL, CT, FL, GA, MA, MD, MS, NC, SC, TN, VA
[b]States represented: AL, FL, GA, IL, MS, NC, OH, SC, TN, WV
[c]States represented: AL, CA, FL, GA, KY, LA, SC, TN, VA, WI
[d]States represented: AL, FL, GA, SC
[e]States represented: GA, NC

GRADUATES OF THE PRESIDENT'S SCHOLARSHIP PROGRAM

	Majors	Georgia Male	Georgia Female	Out-of-State Male	Out-of-State Female	Highest Honor	High Honor	Honor	Total
1984-85	ICS, CHE, ME, MSCI	3	1	0	0	3	1	0	4
1985-86	EE coop, EE, CHE, TE, Phys, BC, ICS	7	2	1	1	7	1	3	11

Source: President's Scholarship Committee



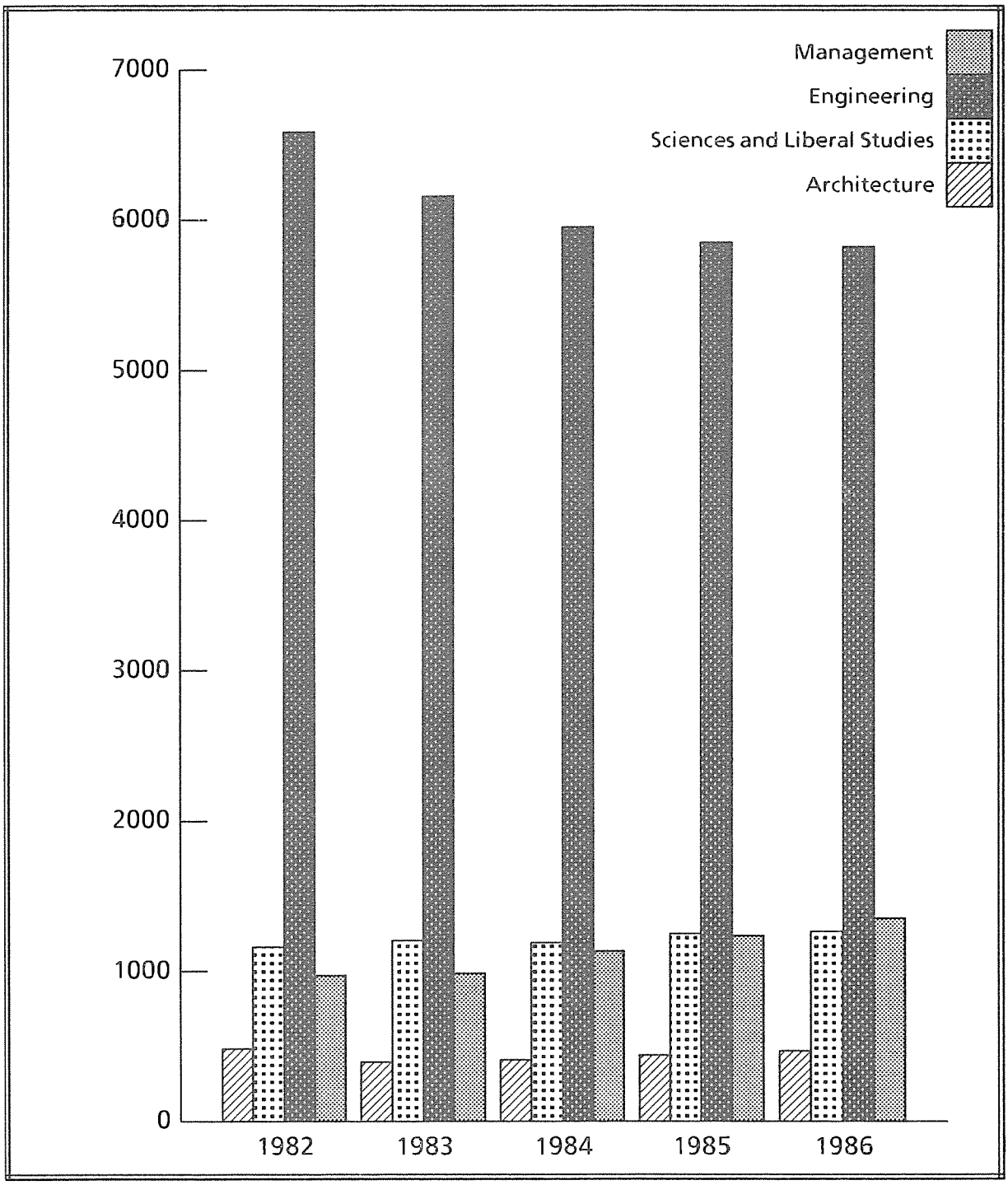
FALL QUARTER UNDERGRADUATE ENROLLMENT BY COLLEGE 1982-1986

	1982		1983		1984		1985		1986	
	Male	*Female*	*Male*	*Female*	*Male*	*Female*	*Male*	*Female*	*Male*	*Female*
ARCHITECTURE										
TOTAL ARCHITECTURE	**367**	**127**	**299**	**102**	**314**	**109**	**335**	**112**	**346**	**131**
ENGINEERING										
Aerospace	552	58	572	67	661	77	628	64	536	66
Ceramic	38	16	29	14	37	11	45	10	38	13
Chemical	586	222	504	205	392	175	354	159	354	150
Civil	392	82	350	75	362	68	370	67	374	76
Electrical	1,751	227	1,639	235	1,476	216	1,420	210	1,422	214
Engineering Science & Mechanics	55	21	68	17	83	17	72	13	81	12
Health Systems	27	40	*	*	*	*	*	*	*	*
Industrial and Systems	493	276	501	271	512	277	523	304	547	326
Mechanical	1,177	137	986	110	924	113	905	109	882	108
Nuclear & Health Physics	115	17	112	19	112	22	118	18	122	27
Textile	39	24	53	36	76	42	72	35	58	40
Undecided Engineering	186	67	248	64	260	54	297	73	326	66
TOTAL ENGINEERING	**5,411**	**1,187**	**5,062**	**1,113**	**4,895**	**1,072**	**4,804**	**1,062**	**4,740**	**1,098**
MANAGEMENT										
TOTAL MANAGEMENT	**699**	**325**	**700**	**291**	**785**	**356**	**844**	**397**	**902**	**451**
SCIENCES & LIBERAL STUDIES (COSALS)										
Applied Biology	40	30	48	45	52	56	76	57	83	88
Chemistry	39	32	49	27	52	29	49	30	47	31
Information & Computer Science	487	203	460	191	437	164	446	142	438	125
Mathematics	26	14	57	25	62	38	70	47	62	49
Physics	112	25	121	22	137	16	133	20	163	25
Psychology	11	19	15	24	16	25	20	23	22	23
Undecided COSALS	84	47	83	49	64	51	89	50	86	35
TOTAL COSALS	**800**	**371**	**833**	**383**	**820**	**379**	**883**	**369**	**901**	**371**
INSTITUTE SUBTOTAL	**7,277**	**2,010**	**6,894**	**1,889**	**6,814**	**1,916**	**6,866**	**1,940**	**6,889**	**2,051**
INSTITUTE TOTAL	**9,287**		**8,783**		**8,730**		**8,806**		**8,940**	

* Effective 1 July 1983, Health Systems merged with Industrial and Systems Engineering.

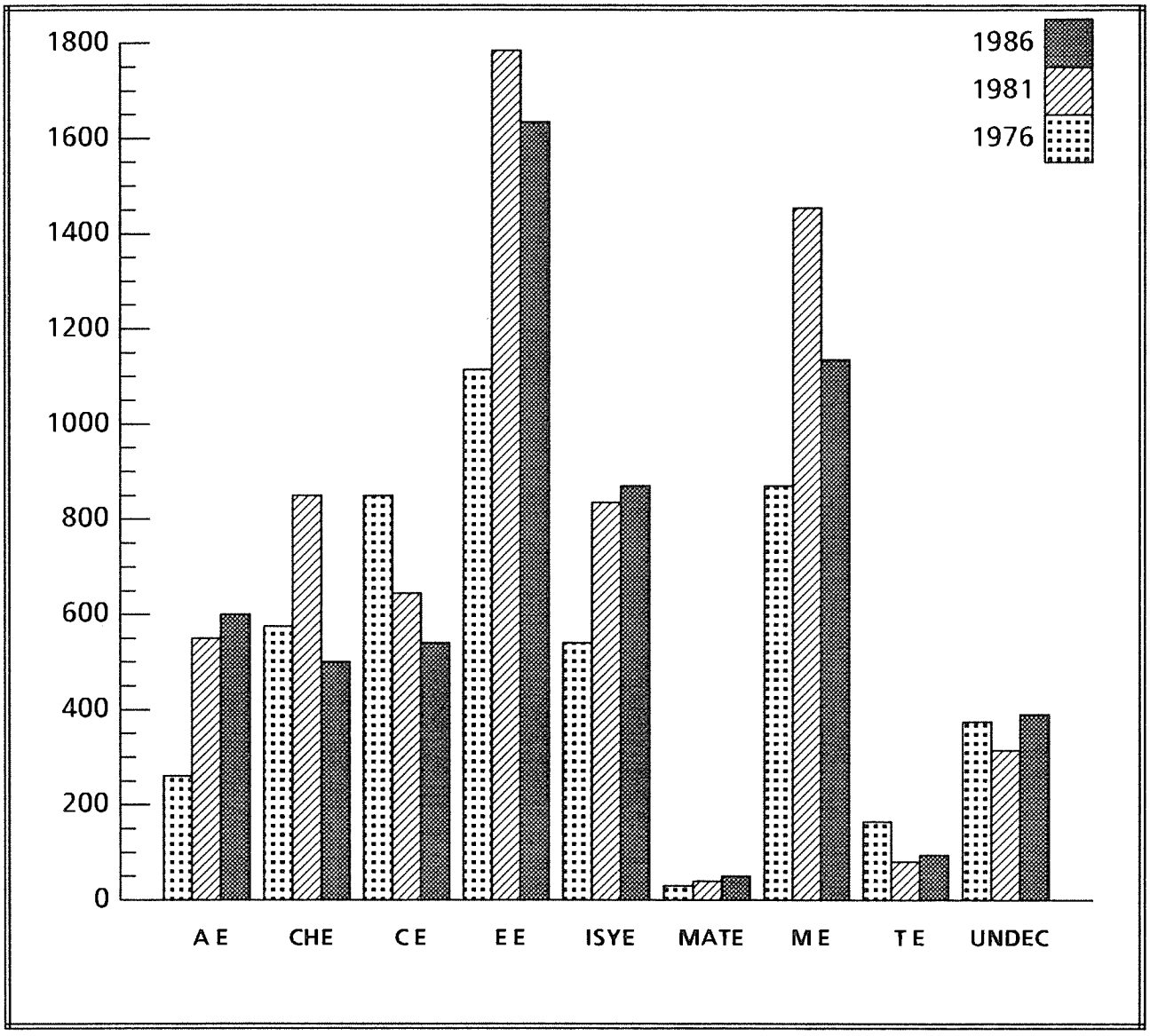
Source: Office of the Registrar

FALL QUARTER UNDERGRADUATE ENROLLMENT BY COLLEGE 1982-1986



Source: Office of the Registrar

ENGINEERING COLLEGE UNDERGRADUATE ENROLLMENT
FALL QUARTERS 1976,1981,1986

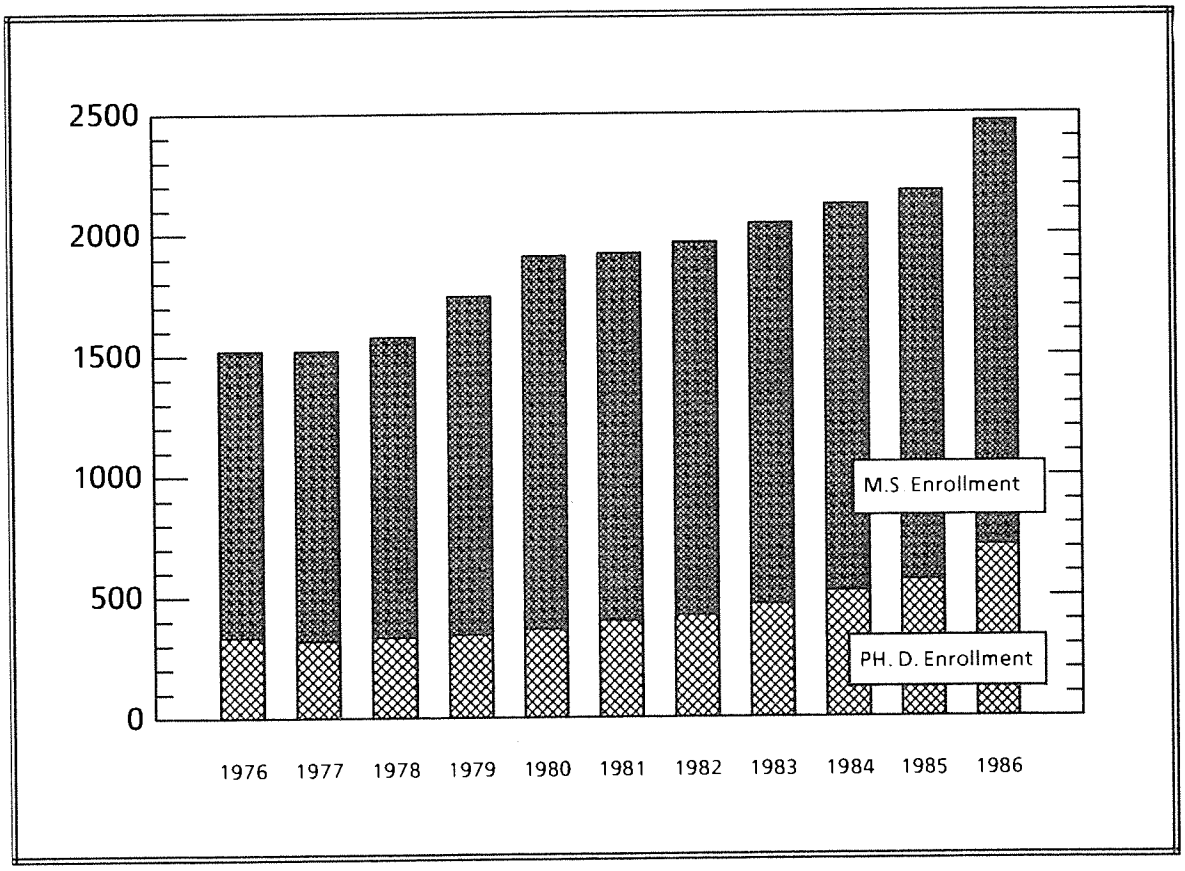


NOTE: CE includes ESM. ISYE includes HS. MATE includes CERE and MET. ME includes N&HP.

Source: Office of the Registrar

FALL QUARTER GRADUATE ENROLLMENT BY DEGREE PROGRAM 1976-1986*

YEAR	Architecture M.S.	Ph.D.	Engineering M.S.	Ph.D.	Management M.S.	Ph.D.	Sciences & Liberal Studies M.S.	Ph.D.	Total M.S.	Ph.D.
1976	136	0	615	184	185	3	261	154	1197	341
1977	160	2	608	164	178	1	255	160	1201	327
1978	174	0	657	181	135	1	284	155	1250	337
1979	215	0	765	190	118	1	312	160	1410	351
1980	220	0	867	205	124	2	335	163	1546	370
1981	221	1	856	236	111	8	342	162	1530	407
1982	213	3	867	253	141	9	326	163	1547	428
1983	232	7	903	261	157	15	291	188	1583	471
1984	224	9	946	292	118	5	316	219	1604	525
1985	217	9	979	314	124	7	301	238	1621	568
1986	217	12	1071	416	158	9	313	284	1759	721



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

Source: Office of the Registrar

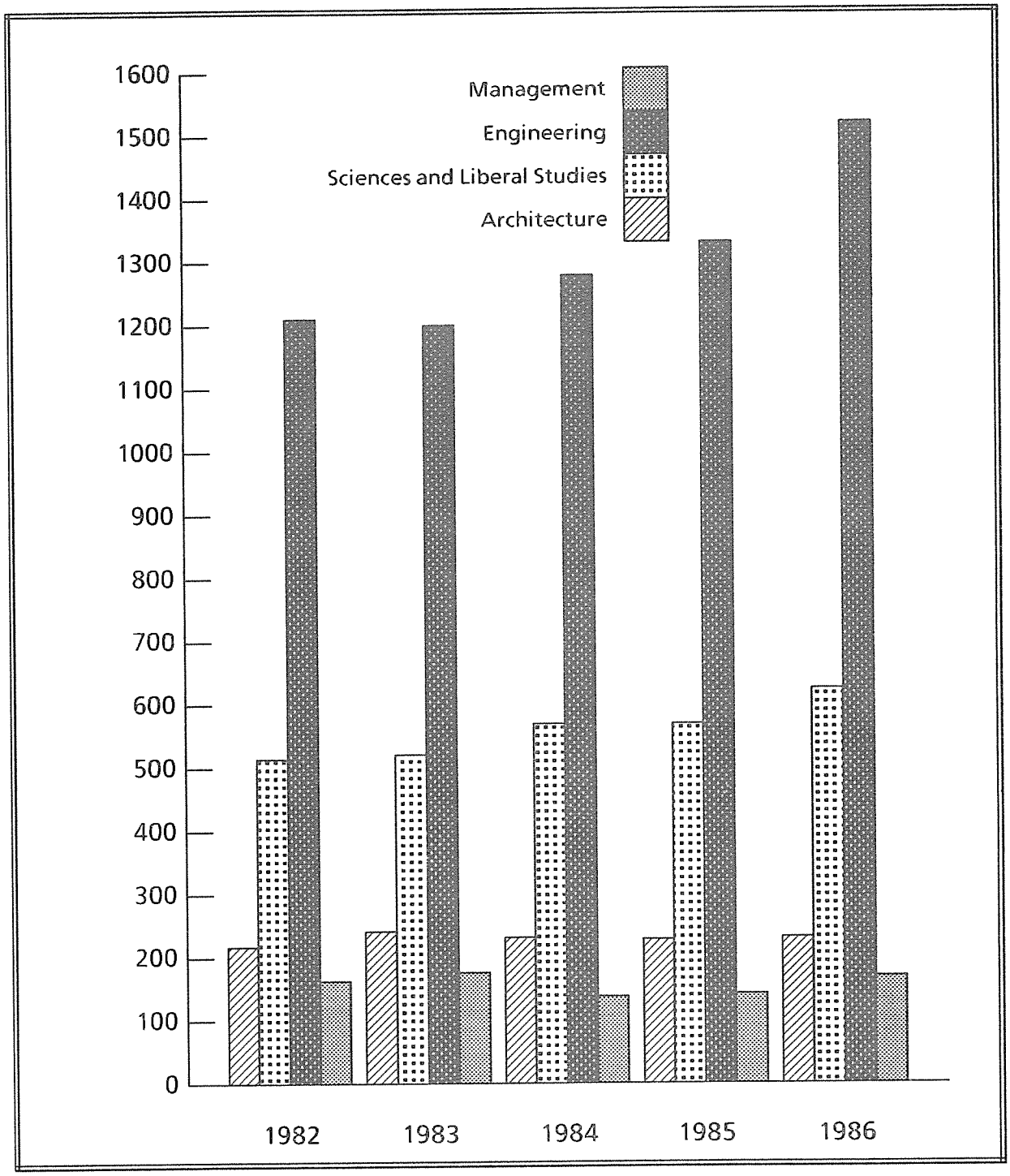
FALL QUARTER GRADUATE ENROLLMENT BY COLLEGE 1982-1986

	1982		1983		1984		1985		1986	
	Male	*Female*	*Male*	*Female*	*Male*	*Female*	*Male*	*Female*	*Male*	*Female*
ARCHITECTURE										
TOTAL ARCHITECTURE	**164**	**56**	**171**	**73**	**159**	**75**	**157**	**71**	**168**	**66**
ENGINEERING										
Aerospace	76	9	84	8	93	8	103	11	115	7
Ceramic	13	4	11	3	16	2	14	1	14	3
Chemical	69	15	97	21	99	14	72	20	70	20
Civil	126	17	147	13	158	19	110	9	143	10
Electrical	357	61	360	31	336	34	412	43	480	61
Environmental Engineering	21	3	**	**	**	**	12	9	14	10
Engineering Science & Mechanics	24	4	19	5	19	5	16	3	19	4
Health Systems	14	9	*	*	*	*	*	*	*	*
Industrial and Systems	117	19	135	30	126	35	103	35	126	43
Mechanical	116	9	146	5	193	11	219	12	252	12
Metallurgy	24	4	**	**	**	**	31	0	26	3
Nuclear & Health Physics	60	18	56	8	77	18	57	7	57	12
Textile	13	7	16	5	15	4	15	6	21	2
TOTAL ENGINEERING	**1,033**	**183**	**1,071**	**129**	**1,132**	**150**	**1,166**	**166**	**1,337**	**187**
MANAGEMENT										
TOTAL MANAGEMENT	**116**	**47**	**123**	**54**	**109**	**31**	**103**	**40**	**127**	**42**
SCIENCES & LIBERAL STUDIES (COSALS)										
Applied Biology	16	15	15	10	18	14	20	10	22	11
Chemistry	60	30	60	35	66	34	63	31	57	33
Geophysical Sciences	42	12	45	10	42	12	44	9	54	13
Information & Computer Science	164	43	171	39	185	48	183	45	206	49
Mathematics	21	4	23	8	35	9	38	12	30	18
Physics	53	4	48	8	42	8	39	9	59	9
Psychology	24	15	23	18	24	23	22	29	24	29
Technology & Science Policy	8	2	6	3	8	4	10	4	7	6
Undeclared	0	0	0	0	0	0	1	0	0	0
TOTAL COSALS	**388**	**125**	**391**	**131**	**420**	**152**	**420**	**149**	**458**	**168**
INSTITUTE SUBTOTAL	**1,701**	**411**	**1,756**	**387**	**1,820**	**408**	**1,846**	**426**	**2,091**	**463**
INSTITUTE TOTAL	**2,112**		**2,143**		**2,228**		**2,262**		**2,554**	

* Effective 1 July 1983 Health Systems merged with Industrial and Systems Engineering.
** Figures not available.

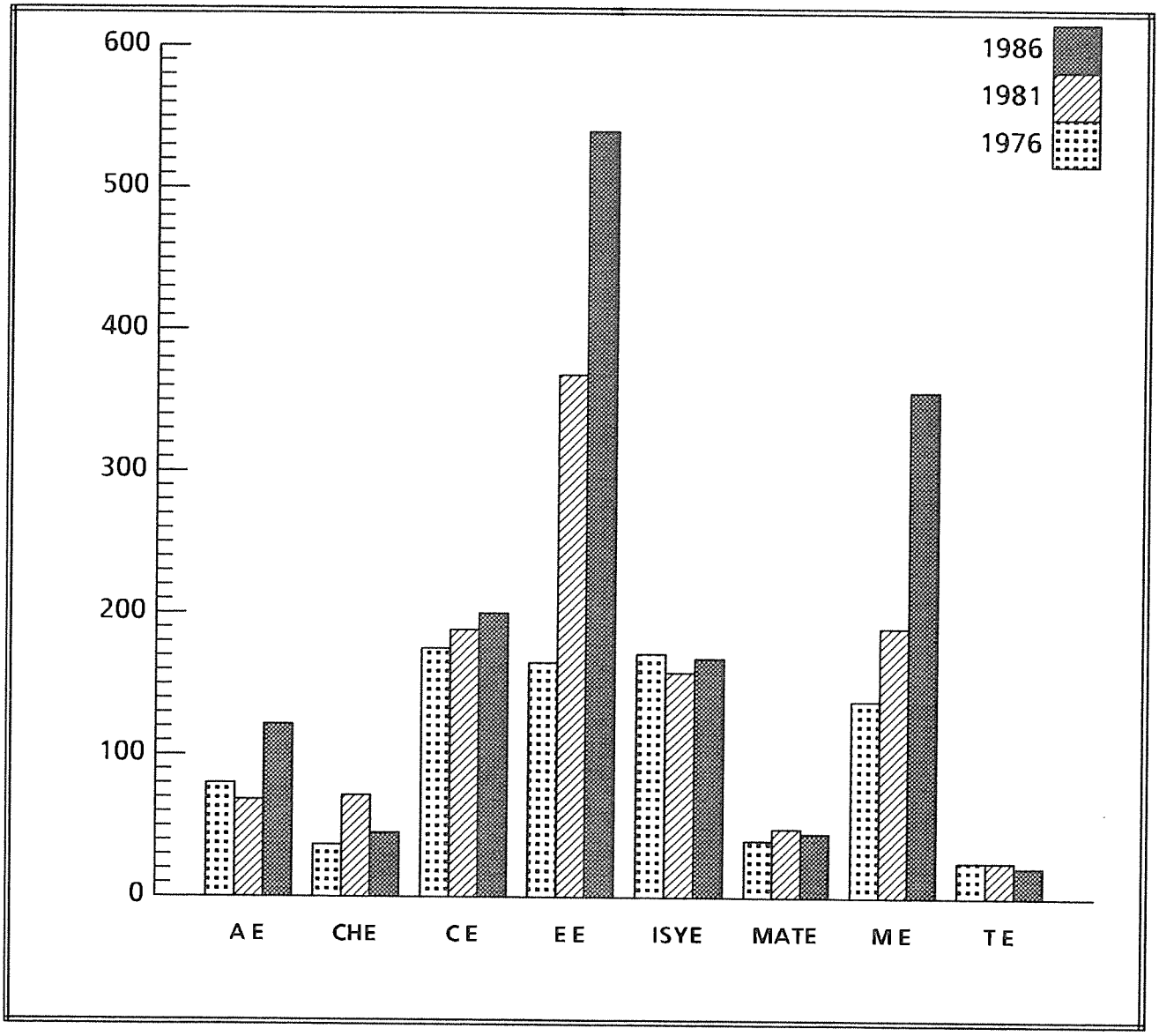
Source: Office of the Registrar

FALL QUARTER GRADUATE ENROLLMENT BY COLLEGE 1982-1986



Source: Office of the Registrar

ENGINEERING COLLEGE GRADUATE ENROLLMENT
FALL QUARTERS 1976,1981,1986



NOTE: CE includes ESM. ISYE includes HS. MATE includes CERE and MET. ME includes N&HP.

Source: Office of the Registrar

ENROLLMENT BY GEORGIA COUNTIES
FALL QUARTER 1986

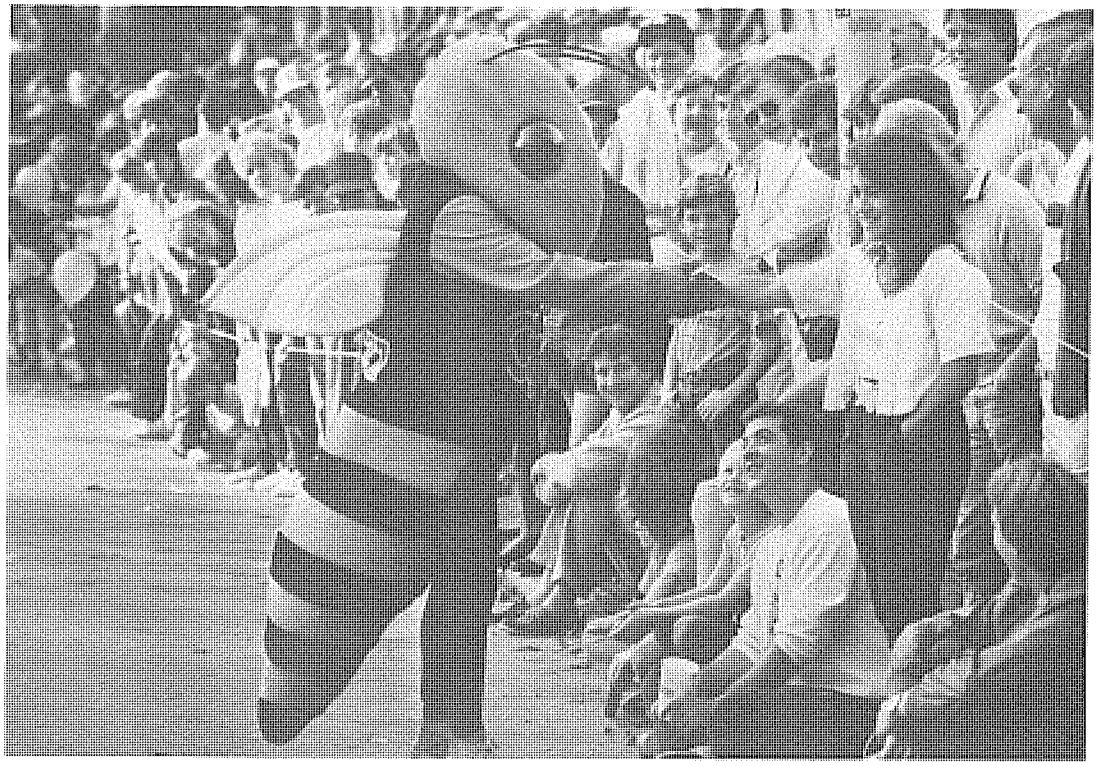
	Undergrad	Grad	Total
Appling	3	1	4
Atkinson	1	0	1
Bacon	0	0	0
Baker	0	1	1
Baldwin	23	1	24
Banks	1	0	1
Barrow	12	0	12
Bartow	29	1	30
Ben Hill	7	1	8
Berrien	6	1	7
Bibb	136	13	149
Bleckley	4	0	4
Brantley	0	0	0
Brooks	2	0	2
Bryan	3	0	3
Bulloch	20	2	22
Burke	3	0	3
Butts	8	0	8
Calhoun	1	0	1
Camden	9	0	9
Candler	4	0	4
Carroll	37	7	44
Catoosa	23	0	23
Charlton	2	0	2
Chatham	131	18	149
Chattahoochee	1	0	1
Chattooga	10	0	10
Cherokee	38	6	44
Clarke	54	8	62
Clay	2	0	2
Clayton	219	13	232
Clinch	1	0	1
Cobb	667	158	825
Coffee	16	0	16
Colquitt	12	0	12
Columbia	66	2	68
Cook	3	0	3
Coweta	34	2	36
Crawford	5	1	6
Crisp	9	0	9
Dade	3	0	3
Dawson	3	0	3
Decatur	14	1	15
DeKalb	1,275	233	1,508
Dodge	4	0	4
Dooly	3	0	3
Dougherty	69	7	76
Douglas	63	2	65
Early	4	0	4
Echols	0	0	0
Effingham	12	0	12
Elbert	14	1	15
Emanuel	4	1	5
Evans	3	0	3
Fannin	5	0	5
Fayette	90	3	93

	Undergrad	Grad	Total
Floyd	69	6	75
Forsyth	22	0	22
Franklin	7	1	8
Fulton	815	268	1,083
Gilmer	9	0	9
Glascock	0	0	0
Glynn	51	2	53
Gordon	25	0	25
Grady	7	0	7
Greene	6	1	7
Gwinnett	435	68	503
Habersham	17	1	18
Hall	70	2	72
Hancock	1	0	1
Haralson	11	0	11
Harris	6	1	7
Hart	15	0	15
Heard	0	0	0
Henry	40	1	41
Houston	69	10	79
Irwin	3	0	3
Jackson	13	1	14
Jasper	2	0	2
Jeff Davis	5	0	5
Jefferson	8	1	9
Jenkins	2	0	2
Johnson	1	0	1
Jones	19	0	19
Lamar	9	1	10
Lanier	1	1	2
Laurens	20	2	22
Lee	5	0	5
Liberty	14	1	15
Lincoln	6	0	6
Long	1	0	1
Lowndes	41	8	49
Lumpkin	3	0	3
Macon	4	0	4
Madison	4	0	4
Marion	0	1	1
McDuffie	16	0	16
McIntosh	2	0	2
Meriwether	8	0	8
Miller	2	0	2
Mitchell	6	0	6
Monroe	9	0	9
Montgomery	0	0	0
Morgan	6	0	6
Murray	7	2	9
Muscogee	128	9	137
Newton	19	0	19
Oconee	6	3	9
Oglethorpe	2	0	2
Paulding	12	2	14
Peach	17	0	17
Pickens	5	0	5

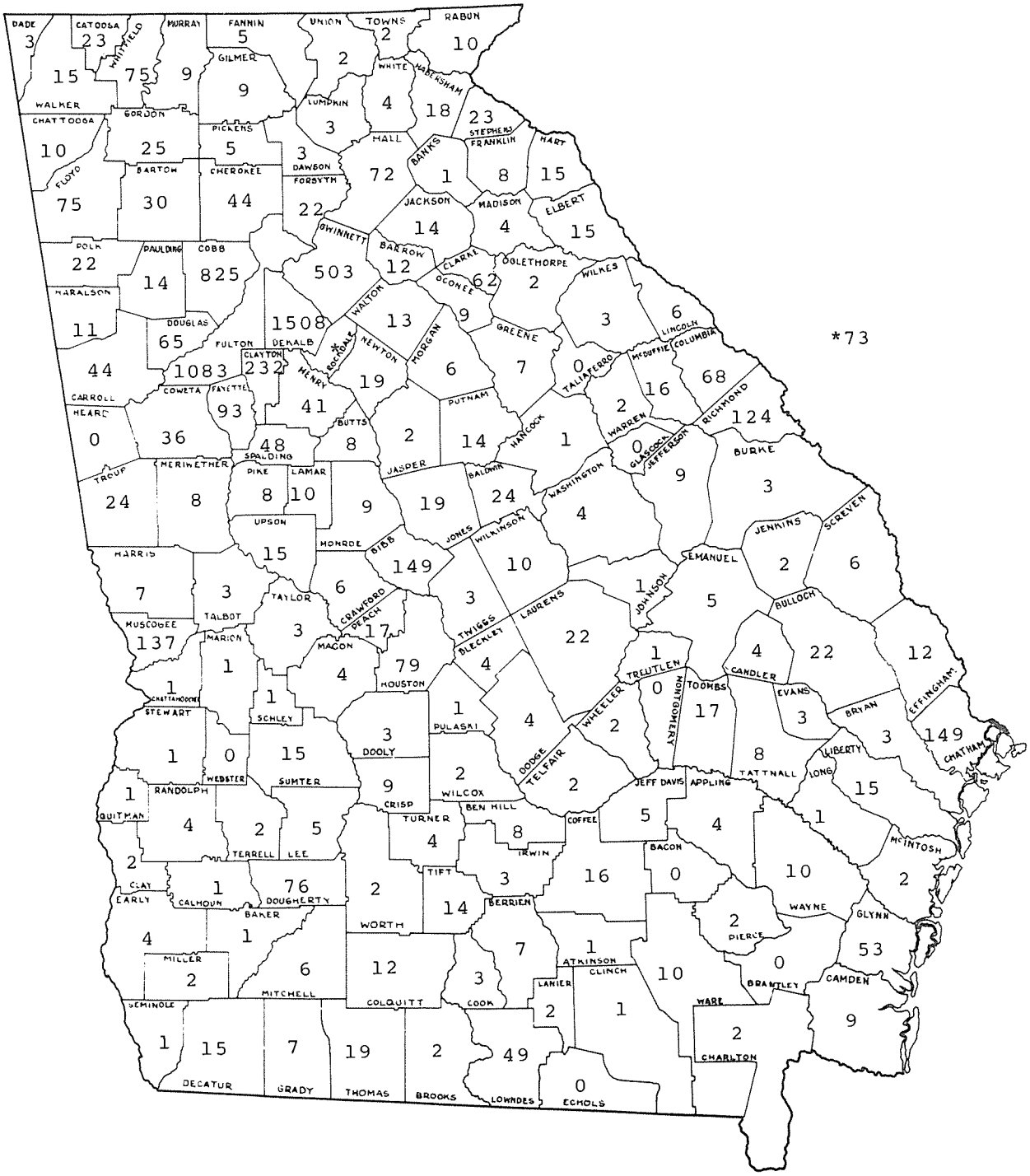
ENROLLMENT BY GEORGIA COUNTIES
FALL QUARTER 1986

	Undergrad	Grad	Total
Pierce	2	0	2
Pike	6	2	8
Polk	21	1	22
Pulaski	1	0	1
Putnam	14	0	14
Quitman	1	0	1
Rabun	9	1	10
Randolph	4	0	4
Richmond	107	17	124
Rockdale	71	2	73
Schley	1	0	1
Screven	5	1	6
Seminole	1	0	1
Spalding	44	4	48
Stephens	20	3	23
Stewart	1	0	1
Sumter	14	1	15
Talbot	3	0	3
Taliaferro	0	0	0
Tattnall	8	0	8
Taylor	3	0	3
Telfair	1	1	2
Terrell	2	0	2
Thomas	18	1	19
Tift	14	0	14
Toombs	17	0	17
Towns	1	1	2
Treutlen	1	0	1
Troup	23	1	24
Turner	4	0	4
Twiggs	3	0	3
Union	2	0	2
Upson	15	0	15
Walker	13	2	15
Walton	13	0	13
Ware	8	2	10
Warren	2	0	2
Washington	4	0	4
Wayne	10	0	10
Webster	0	0	0
Wheeler	2	0	2
White	2	2	4
Whitfield	71	4	75
Wilcox	2	0	2
Wilkes	3	0	3
Wilkinson	10	0	10
Worth	2	0	2
TOTAL	**5,827**	**922**	**6,749**

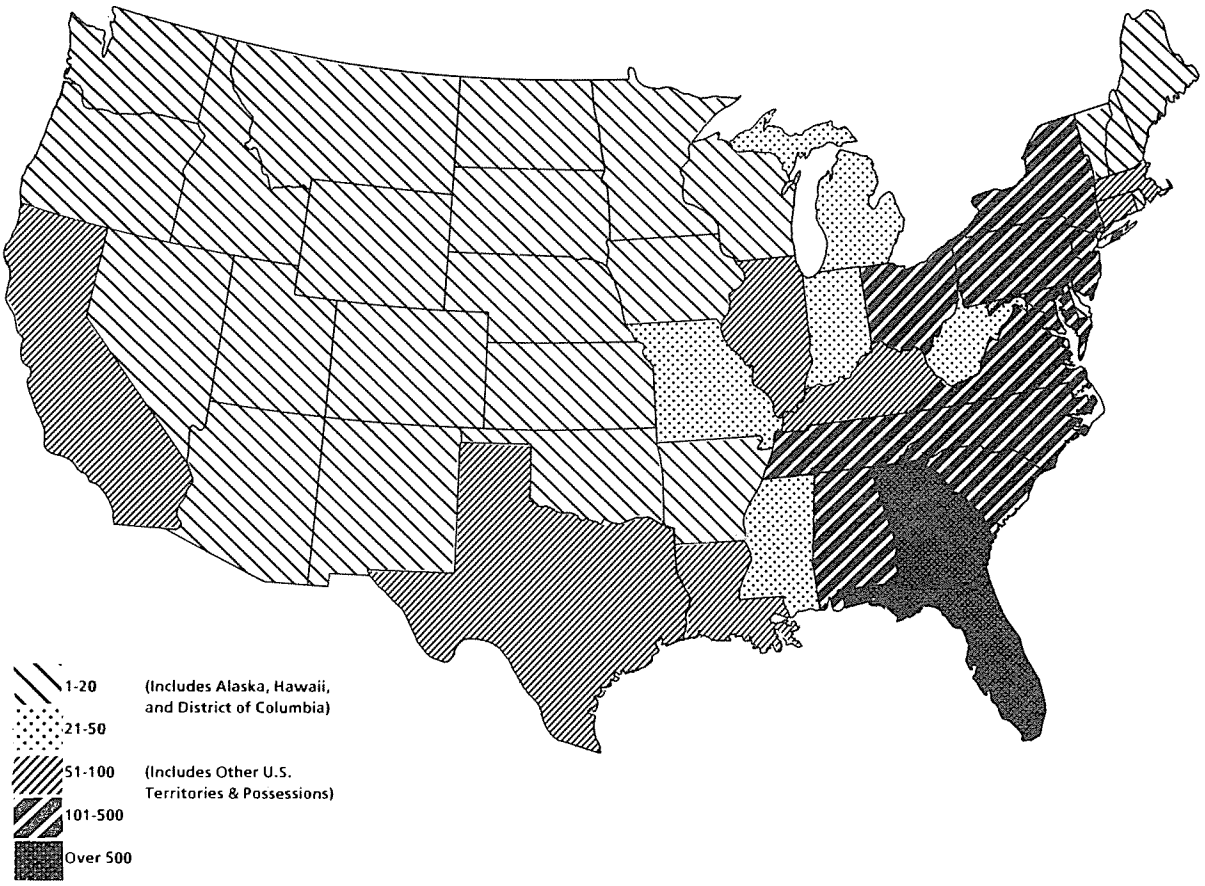
Source: Office of the Registrar



ENROLLMENT BY GEORGIA COUNTIES
FALL QUARTER 1986



ENROLLMENT BY STATES
FALL QUARTER 1986



	Undergrad	Grad	Total
Alabama	209	51	260
Alaska	5	1	6
Arizona	4	2	6
Arkansas	13	4	17
California	28	38	66
Colorado	10	9	19
Connecticut	42	14	56
Delaware	10	4	14
District of Columbia	5	4	9
Florida	701	158	859
Georgia	5,830	922	6,752
Hawaii	7	1	8
Idaho	2	0	2
Illinois	27	33	60
Indiana	19	17	36
Iowa	3	6	9
Kansas	7	5	12
Kentucky	71	20	91
Louisiana	38	21	59
Maine	8	3	11
Maryland	164	29	193
Massachusetts	47	18	65
Michigan	25	20	45
Minnesota	6	7	13
Mississippi	26	9	35
Missouri	25	12	37
Montana	0	2	2

	Undergrad	Grad	Total
Nebraska	1	1	2
Nevada	3	1	4
New Hampshire	7	4	11
New Jersey	131	33	164
New Mexico	1	10	11
New York	197	76	273
North Carolina	157	65	222
North Dakota	0	2	2
Ohio	83	36	119
Oklahoma	9	4	13
Oregon	1	3	4
Pennsylvania	96	52	148
Rhode Island	11	6	17
South Carolina	219	47	266
South Dakota	0	3	3
Tennessee	205	53	258
Texas	24	43	67
Utah	2	0	2
Vermont	11	5	16
Virginia	129	49	178
Washington	6	4	10
West Virginia	15	7	22
Wisconsin	8	10	18
Wyoming	1	0	1
Other U.S. Territories & Possessions	63	12	75
TOTAL	**8,712**	**1,936**	**10,648**

Source: Office of the Registrar

ENROLLMENT BY FOREIGN COUNTRIES
FALL QUARTER 1986

	Undergrad	Grad	Total
Algeria	0	9	9
Antigua	0	1	1
Argentina	0	1	1
Australia	2	0	2
Austria	0	1	1
Bahamas	1	0	1
Bahrain	1	0	1
Bangladesh	3	1	4
Barbados	1	0	1
Bermuda	0	1	1
Botswana	1	0	1
Brazil	3	7	10
British Indian Ocean	1	0	1
British Virgin Islands	0	1	1
Burma	1	1	2
Cameroon	2	0	2
Canada	3	5	8
Chile	2	0	2
China (People's Republic)	0	67	67
Colombia	10	11	21
Costa Rica	2	3	5
Cuba	1	0	1
Cyprus	1	7	8
Denmark	1	0	1
Dominican Republic	0	4	4
Ecuador	5	3	8
Egypt (United Arab Republic)	0	12	12
England	2	5	7
El Salvador	0	6	6
Finland	2	0	2
France	2	22	24
Gambia	1	0	1
Germany (Berlin)	1	0	1
Germany (West)	7	16	23
Ghana	1	3	4
Greece	2	20	22
Guatemala	2	0	2
Guyana	1	1	2
Honduras	15	1	16
Hong Kong	5	10	15
Iceland	0	2	2
India	8	53	61
Indonesia	1	10	11
Iran	3	8	11
Iraq	0	3	3
Ireland	1	3	4
Israel	1	3	4
Italy	4	1	5
Jamaica	2	2	4
Japan	3	8	11
Jordan	3	2	5
Kampuchea	1	0	1
Korea	16	101	117
Kuwait	2	1	3
Lebanon	22	17	39
Liberia	0	1	1
Libya	0	1	1
Malaysia	2	5	7
Mauritius	0	1	1
Mexico	1	5	8
Netherlands	1	2	3
Netherlands W. Indies	1	1	2
Nicaragua	3	2	5
Nigeria	2	6	8
Norway	3	0	3
Pakistan	3	8	11
Panama	12	2	14
Paraguay	2	1	3
Peru	4	5	9
Philippines	2	3	5
Poland	0	1	1
Portugal	0	1	1
Saudi Arabia	1	2	3
Sierra Leone	1	0	1
Singapore	1	1	2
South Africa	0	4	4
Soviet Union	2	0	2
Spain	2	1	3
Sri Lanka	2	1	3
Sweden	2	1	3
Switzerland	0	4	4
Syria	1	5	6
Taiwan (Rep. of China)	6	85	91
Tanzania	0	1	1
Thailand	1	3	4
Trinidad	1	0	1
Tunisia	10	6	16
Turkey	1	17	18
United Arab Emirates	3	0	3
United Kingdom	1	1	2
Venezuela	4	3	7
Vietnam	2	0	2
Zimbabwe	0	1	1
TOTAL	**228**	**618**	**846**

Source: Office of the Registrar

DEGREES AWARDED BY COLLEGE
1981-1986 (Summer-Spring)

College	1981-82	1982-83	1983-84	1984-85	1985-86
			BACHELOR'S		
ARCHITECTURE					
Total	**111**	**109**	**104**	**77**	**82**
ENGINEERING					
Aerospace	66	68	80	89	106
Ceramic	10	7	10	8	13
Chemical	154	162	160	165	102
Civil	162	153	103	92	95
Electrical	326	349	404	362	357
Engineering Science & Mechanics	10	12	12	13	18
Industrial & Systems	234	263	208	190	192
Health Systems	19	22	8	11	3
Mechanical	321	317	293	274	250
Nuclear & Health Physics	22	21	22	21	41
Textile	28	18	15	18	16
Total	**1,352**	**1,392**	**1,315**	**1,243**	**1,193**
MANAGEMENT					
Total	**301**	**297**	**256**	**275**	**322**
SCIENCES AND LIBERAL STUDIES (COSALS)					
Applied Biology	16	16	12	11	16
Chemistry	25	20	13	15	12
Information & Computer Science	61	85	88	121	99
Mathematics	10	5	12	7	17
Physics	45	39	40	31	36
Psychology	14	6	4	9	10
Total	**171**	**171**	**169**	**194**	**190**
			MASTER'S		
ARCHITECTURE					
Total	**116**	**68**	**73**	**68**	**71**
ENGINEERING					
Aerospace	16	11	22	25	23
Ceramic	6	5	5	5	13
Chemical	22	33	18	27	28
Civil	47	58	60	64	53
Electrical	171	140	159	160	147
Engineering Science & Mechanics	7	4	4	10	7
Industrial & Systems	49	37	69	49	42
Health Systems	6	8	5	6	5
Mechanical	43	48	52	72	92
Nuclear & Health Physics	23	31	25	18	37
Textile	8	6	7	6	2
Total	**398**	**381**	**426**	**442**	**451**
MANAGEMENT					
Total	**43**	**44**	**82**	**55**	**61**
SCIENCES AND LIBERAL STUDIES (COSALS)					
Applied Biology	1	3	4	4	1
Chemistry	4	7	6	4	4
Geophysical Sciences	24	9	10	16	8
Information & Computer Science	69	48	62	66	78
Mathematics	5	4	10	5	13
Physics	20	12	16	13	15
Psychology	8	9	3	3	4
Social Sciences	0	2	2	2	4
Total	**131**	**94**	**113**	**113**	**127**

DEGREES AWARDED BY COLLEGE
1981-1986 (Summer-Spring)

College	*1981-82*	*1982-83*	*1983-84*	*1984-85*	*1985-86*
		PH.D.'s			
ENGINEERING					
Aerospace	7	13	8	7	7
Ceramic	1	1	0	1	2
Chemical	5	6	7	4	12
Civil	6	6	5	4	6
Electrical	3	4	8	7	11
Engineering Science & Mechanics	0	3	3	0	2
Industrial & Systems	4	9	9	7	8
Mechanical	3	3	7	2	6
Nuclear & Health Physics	1	6	6	2	0
Textiles	1	0	1	1	0
Total	**31**	**51**	**54**	**35**	**54**
MANAGEMENT					
Total	**0**	**0**	**4**	**1**	**1**
SCIENCES AND LIBERAL STUDIES (COSALS)					
Chemistry	14	5	15	13	14
Geophysical Sciences	0	2	1	2	5
Information & Computer Science	2	2	1	2	2
Mathematics	2	3	0	2	1
Physics	8	9	1	5	2
Psychology	2	2	8	5	4
Total	**28**	**23**	**26**	**29**	**28**

FIVE YEAR SUMMARY

Architecture					
Bachelor's	111	109	104	77	82
Master's	116	68	73	68	71
Total	**227**	**177**	**177**	**145**	**153**
Engineering					
Bachelor's	1,352	1,392	1,315	1,243	1,193
Master's	398	381	426	442	451
Doctorate	31	51	54	35	54
Total	**1,781**	**1,824**	**1,795**	**1,720**	**1,698**
Management					
Bachelor's	301	297	256	275	322
Master's	43	44	82	55	61
Doctorate	0	0	4	1	1
Total	**344**	**341**	**342**	**331**	**384**
Sciences & Liberal Studies					
Bachelor's	171	171	169	194	190
Master's	131	94	113	113	127
Doctorate	28	23	26	29	28
Total	**330**	**288**	**308**	**336**	**345**
Institute					
Bachelor's	1,935	1,969	1,844	1,789	1,787
Master's	688	587	694	678	710
Doctorate	59	74	84	65	83
Total	**2,682**	**2,630**	**2,622**	**2,532**	**2,580**

Source: Office of the Registrar

AVERAGE FALL QUARTER GRADE POINT AVERAGES
1981-1985

	1981	1982	1983	1984	1985
			UNDERGRADUATE		
Freshman					
Architecture	2.3	2.2	2.3	2.2	2.3
Engineering	2.6	2.5	2.5	2.5	2.6
Management	2.2	2.1	2.2	2.2	2.2
Sciences & Liberal Studies	2.4	2.4	2.4	2.4	2.6
Total	**2.5**	**2.5**	**2.4**	**2.4**	**2.5**
Sophomore					
Architecture	2.4	2.5	2.5	2.5	2.6
Engineering	2.6	2.5	2.6	2.6	2.6
Management	2.3	2.3	2.3	2.3	2.2
Sciences & Liberal Studies	2.6	2.6	2.6	2.6	2.6
Total	**2.6**	**2.3**	**2.6**	**2.6**	**2.6**
Junior					
Architecture	2.6	2.5	2.5	2.7	2.6
Engineering	2.6	2.6	2.6	2.7	2.7
Management	2.6	2.4	2.5	2.5	2.4
Sciences & Liberal Studies	2.7	2.6	2.6	2.7	2.7
Total	**2.6**	**2.5**	**2.6**	**2.6**	**2.6**
Senior					
Architecture	2.6	2.5	2.6	2.7	2.7
Engineering	2.5	2.7	2.7	2.7	2.7
Management	2.5	2.5	2.5	2.4	2.5
Sciences & Liberal Studies	2.8	2.8	2.7	2.7	2.7
Total	**2.7**	**2.7**	**2.7**	**2.7**	**2.7**
Total Undergraduate					
Architecture	2.5	2.5	2.5	2.5	2.5
Engineering	2.6	2.6	2.6	2.7	2.7
Management	2.4	2.4	2.4	2.4	2.4
Sciences & Liberal Studies	2.6	2.6	2.6	2.6	2.6
Total	**2.6**	**2.6**	**2.6**	**2.6**	**2.6**
			GRADUATE		
All Graduate Students					
Architecture	3.3	3.3	3.3	3.3	3.4
Engineering	3.4	3.4	3.4	3.5	3.5
Management	3.4	3.4	3.4	3.3	3.3
Sciences & Liberal Studies	3.4	3.4	3.4	3.5	3.5
Total	**3.4**	**3.4**	**3.4**	**3.5**	**3.5**

Source: Office of the Registrar

STUDENT CREDIT HOURS*
FALL QUARTER 1986

	LOWER DIVISION	UPPER DIVISION	GRADUATE DIVISION	TOTAL
Architecture				
Fall Quarter 1986	2,993	3,503	2,961	**9,457**
Total of Previous Year**	7,271	8,773	8,207	**24,251**
Engineering				
Fall Quarter 1986	6,634	34,210	19,558	**60,402**
Total of Previous Year**	20,117	116,463	59,769	**196,349**
Management				
Fall Quarter 1986	4,941	7,462	2,544	**14,947**
Total of Previous Year**	14,913	25,143	6,184	**46,240**
Sciences and Liberal Studies				
Fall Quarter 1986	69,060	20,944	8,381	**98,385**
Total of Previous Year**	194,432	67,674	27,984	**290,090**
Institute				
Fall Quarter 1986	83,628	66,119	33,444	**183,191**
Total of Previous Year**	236,733	218,053	102,144	**556,930**

* Student credit hours produced reflect the number of credit hours per course multiplied by the number of students in the course. The number of credit hours per course is calculated by: (1) weighting courses *with labs* so that Total Credit Hours = Number of Lecture Hours + $\frac{1}{2}$ Number of Lab Hours and (2) for courses *without labs*, Total Credit Hours = Total Course Hours.

** Total of Previous Year reflects student credit hours produced for Summer 1985, Fall 1985, Winter 1986, and Spring 1986.

Source: Office of the Registrar

ACADEMIC FACULTY PROFILE*
(As of June 1986)

DISTRIBUTION BY RANK

	Professor	Associate Professor	Assistant Professor	Instructor	Total
Full-Time Teaching Faculty	224	170	128	7	529
General Administrators	21	2	1	1	25
Academic Administrators	35	11	0	0	46
Librarians	1	6	2	0	9
On-Leave	0	4	6	0	10
Part-Time Faculty**	1	2	4	2	9
Total	**282**	**195**	**141**	**10**	**628**

DISTRIBUTION BY HIGHEST DEGREE

	Doctorate	Ed. Spec./ Master's	Bachelor's	Total
Full-Time Teaching Faculty	477	46	6	529
General Administrators	22	3	0	25
Academic Administrators	40	5	1	46
Librarians	0	9	0	9
On-Leave	8	2	0	10
Part-Time Faculty**	4	3	2	9
Total	**551**	**68**	**9**	**628**

DISTRIBUTION BY RACE AND SEX

	Black Male	White Male	Other Male	Black Female	White Female	Other Female	Total
Full-Time Teaching Faculty	9	442	43	3	32	0	529
General Administrators	0	20	0	0	5	0	25
Academic Administrators	0	41	2	1	2	0	46
Librarians	0	2	0	1	6	0	9
On-Leave	0	7	0	0	3	0	10
Part-Time Faculty**	0	7	0	0	2	0	9
Total	**9**	**519**	**45**	**5**	**50**	**0**	**628**

* Includes only those persons with academic rank.

** 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 President for Academic Affairs

RESEARCH PERSONNEL PROFILE*
(As of 30 September 1986)

RESEARCH FACULTY

DISTRIBUTION BY RANK

	Principal E/S/T/A[d]	Senior E/S/T/A	Research II E/S/T/A	Research I E/S/T/A	Post Doctoral Fellows	Total
Full-Time GTRI	64	186	167	149	0	566
Full-Time Academic[a,e]	8	33	68	60	33	204
Part-Time GTRI[b]	10	11	7	9	0	37
Part-Time Academic[c]	1	3	1	1	0	6
Total[e]	**83**	**233**	**243**	**219**	**33**	**813**

DISTRIBUTION BY HIGHEST DEGREE

	Doctorate	First Profes-sional[f]	Ed. Spec./ Master's	Bachelor's	Other	No Degree	Total
Full-Time GTRI	97	2	270	187	5	5	566
Full-Time Academic[a,e]	92	3	53	45	6	5	204
Part-Time GTRI[b]	10	0	11	12	1	3	37
Part-Time Academic[c]	4	0	2	0	0	0	6
Total[e]	**203**	**5**	**336**	**244**	**12**	**13**	**813**

DISTRIBUTION BY RACE AND SEX

	Black Male	White Male	Other Male	Black Female	White Female	Other Female	Total
Full-Time GTRI	8	484	6	3	64	1	566
Full-Time Academic[a,e]	4	148	27	3	18	4	204
Part-Time GTRI[b]	0	34	2	0	1	0	37
Part-Time Academic[c]	1	3	2	0	0	0	6
Total[e]	**13**	**669**	**37**	**6**	**83**	**5**	**813**

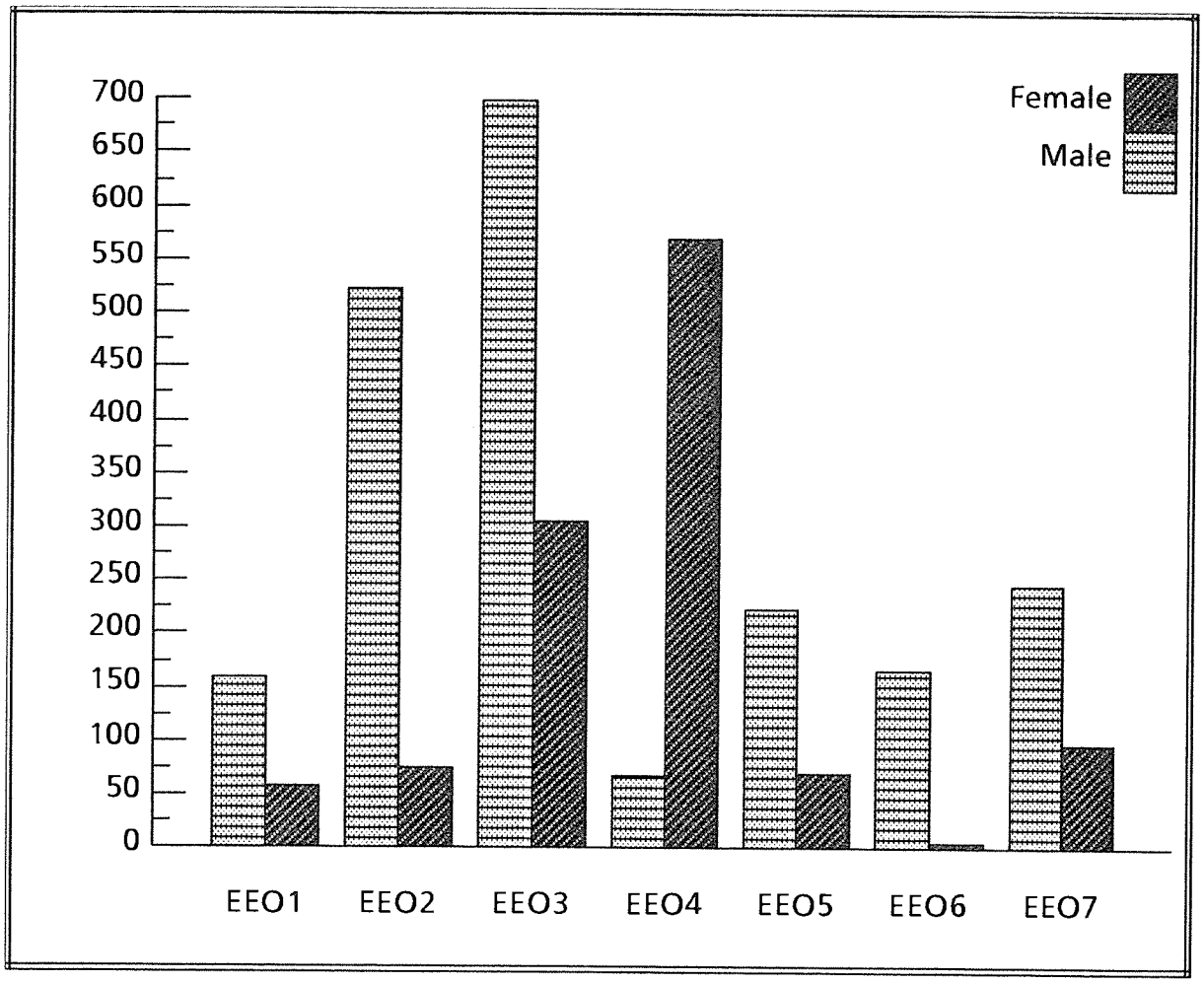
GRADUATE RESEARCH ASSISTANTS

Part-Time GTRI[b]	66
Part-Time Academic[c]	403
Total	**469**

[a] Includes OCA
[b] Includes Hourly, Alien, and Adjunct Personnel
[c] Includes Visiting/Adjunct Personnel
[d] Engineer/Scientist/Technologist/Associate
[e] Includes two Non-research titled Professionals
[f] Includes J.D.'s and M.D's

Source: Office of the Vice President for Research

TOTAL EMPLOYEE PROFILE
(As of January 1986)



EEO Code	*Category*	*White*		*Black*		*Other*[a]		*Total*		
		Male	Female	Male	Female	Male	Female	Male	Female	
1	Executive, Administrative, Managerial	151	50	9	8	0	1	160	59	219
2	Faculty-Academic[b]	480	66	8	10	35	0	523	76	599
3	Research Faculty & Other Professionals	667	270	20	33	11	4	698	307	1,005
4	Clerical and Secretarial	39	366	29	196	1	10	69	572	641
5	Technical and Para-Professional	209	67	10	2	4	1	223	70	293
6	Skilled Crafts	125	7	43	1	1	0	169	8	177
7	Service and Maintenance	67	23	177	75	3	0	247	98	345
	TOTAL	**1,738**	**849**	**296**	**325**	**55**	**16**	**2,089**	**1,190**	3,279

[a]Includes Hispanic, Asian, and Native Americans.
[b]Includes librarians.

Source: *Work Force Analysis*

General Information

PHYSICAL FACILITIES

SQUARE FOOTAGE BY FUNCTIONAL AREA
FALL 1986

INSTRUCTION	
General Academic	**921,569**
ORGANIZED RESEARCH	
Research Center (GTRI)	397,767
Individual or Project Research	241,441
	639,208
PUBLIC SERVICE	
Community Education	**18,897**
ACADEMIC SUPPORT	
Libraries	140,576
Audio/Visual	2,540
Computing Support	19,599
Academic Administration & Personnel Development	10,076
	172,791
STUDENT SERVICES	
Social and Cultural Development	326,650
Counseling and Career Guidance	5,320
Student Support	776,554
	1,108,524
INSTITUTIONAL SUPPORT	
Executive Management	12,221
Fiscal Operations	25,792
General Administration Services	18,530
Logistical Services	21,581
Physical Plant Operations	65,522
Faculty and Staff Services	7,700
Community Relations	10,738
	162,084
INDEPENDENT OPERATIONS	
Outside Agencies	82,816
Investment Property	11,750
	94,566
UNASSIGNED	
Scheduled for Renovation	**91,791**
BUILDING SERVICES	
Circulation, Mechanical, Construction, Custodial	**1,614,741**
GRAND TOTAL	**4,824,171**

Source: Office of the Vice President for Planning

LIBRARY

The Price Gilbert Memorial Library's collection includes over 2,100,000 volumes, approximately 2,000,000 technical reports from government and industry, over 4,500,000 U.S. patents, more than 646,000 U.S. government documents, and nearly 143,000 maps. It currently receives more than 28,000 serials, approximately 75 percent of them in scientific and technical fields. It is an official depository of the U.S. Government Printing Office and the U.S. Patent and Trademark Office. It is also a depository for maps issued by the U.S. Defense Mapping Agency, the U.S. Geological Survey, and other government agencies that distribute maps and charts.

The Library houses one of the nation's largest collections of scientific and technical information. Other specialized fields include management, architecture, and significant early and rare works, primarily in science and mathematics, especially probability. The Archives collect and maintain Institute records and publications; they have begun a program to collect the professional papers of faculty and staff who have contributed significantly to the body of scientific knowledge.

The catalog record of the Library is online, as a part of its Online Information System, and is available to faculty, staff, and students through the campus computer network. This online access is complemented by a campus-wide delivery service of library materials for faculty and staff. Computerized access to over 400 commercially and governmentally produced remote data bases is also offered.

The Library's Research Information Services offers fee-based services to sponsored research users on campus and to individuals and businesses outside the Georgia Tech community. These services include literature searches, reports on specific subjects tailored to meet client needs, copying services, and loan services.

The Institute's membership in the University Center of Georgia allows access to and delivery of materials from thirteen other libraries in the Atlanta area and Athens, Georgia. Borrowing reciprocity between Georgia Tech and Georgia State University allows even more liberal access for students and faculty of the two institutions. As a member of the University System of Georgia, Tech students and faculty may use any library in the System as well.

The Library is a member of the Association of Research Libraries, the Center for Research Libraries, the Southeastern Library Network (SOLINET), and the Georgia Library Information Network.

Source: Office of the Director, Price Gilbert Memorial Library

STUDENT SERVICES

Georgia Tech seeks to provide services and activities to encourage and assist students in their physical development and to develop their capabilities both as professionals and as human beings. Specific programs include:

Housing. Twenty-four on-campus residence halls house 3,102 males and 1,098 females, and apartments are provided for 298 married students. The Residence Hall Association (RHA) provides numerous social, academic, and recreational activities. The Off-Campus Housing Office provides information to more than 1,000 students per year.

Health Services. The Student Health Center is a modern Ambulatory Care Center with facilities for out-patient treatment, X-ray examinations, physical therapy, a medical laboratory, and beds for thirty patients. The staff consists of five full-time physicians, visiting consultants in psychiatry and radiology, registered nurses, physician assistants, and medical technicians. Physicians and dentists on the consulting staff represent all medical and dental specialties; their services are available on a fee-for-service basis. Student Health fees cover regular on-campus services during school terms. A supplemental insurance plan, which covers consultations, referrals to other physicians or hospitals, and medical problems that occur off-campus, is available to all students.

Food Services. Georgia Tech offers a dining program carefully designed to offer variety and flexibility on a budget that is right for students. The Tech Express offers services that suit the students' schedules as well as their lifestyles. Several options are available on a quarterly basis. The dining program also offers the convenient Tech Express Card, a meal charge card honored at all six dining facilities on campus.

Campus Police. The Georgia Tech Campus Police support the educational and research activities of the Institute by providing for the law enforcement, security, and safety needs of the community. The Campus Police are available to provide services to the community twenty-four hours a day, seven days a week. All officers of the department are certified by the Georgia Peace Officer Standards and Training Council and receive professional training on a continuous basis. The Campus Police can be reached at telephone number 894-2500.

Counseling Services. Professional counselors are available to help students who have personal problems; motivational problems; study problems; or concerns about choosing a career, a major, or another college. The career information service includes a computerized interactive guidance and information system; study skills instruction; résumé and job search workshops; and a library of film strips, videotapes, and cassettes containing information about careers.

Recreation. The Callaway Student Athletic Complex features two multi-purpose gymnasiums for basketball, volleyball, and badminton. Other areas include weight training for men and women, table tennis, racquetball/handball/squash courts, and a 25-meter swimming pool with connecting diving well. The building houses the Intramural Department and the Physical Education Department.

Student Center. The Student Center contains facilities and staff services for all types of out-of-classroom special interest and social programs. A professional program staff and numerous student committees provide a complete range of social, artistic, cultural, and recreational programs for the Tech community. The Student Center also offers a full-service Post Office, a hair styling salon, and a technical typing center.

The ***Georgia Tech Bookstore.*** The Georgia Tech Bookstore is an institutionally owned and operated facility with a staff of twenty-nine full-time employees dedicated to fulfilling the needs of students, faculty, and staff. The store is located adjacent to the Student Center and covers approximately 48,000 square feet. In addition to textbooks, the bookstore also features calculators, personal computers, school spirit items, groceries, greeting cards, and much more. Tenants in the mall include a travel agency, record and electronics store, quick copy center, and party supply store.

New Student/Parent Programs. The student/parent orientation program (FASET) informs new students and their parents about academic programs and requirements and familiarizes them with traditions, activities, and services available to them. A number of programs providing information and support specifically for freshmen are conducted each year This office also administers the Freshman Referral Service for freshmen on academic warning or probation.

Fraternities and Sororities. Located on the campus are thirty-one national social fraternities with a total membership of 1,850 and seven national social sororities with a membership of 475.

Student Organizations. Opportunities are provided for student participation in a variety of officially recognized groups. Besides the traditional student newspaper, yearbook, and radio station, there are approximately twenty-three sports/recreation organizations; eighty-six special interest groups; sixteen religious organizations; thirty-six departmental, professional, and honor societies; and ten national honor societies. Over 5,000 students are involved in one or more student organizations.

Source: Office of the Division of Student Affairs

SOCIAL FRATERNITIES AND SORORITIES

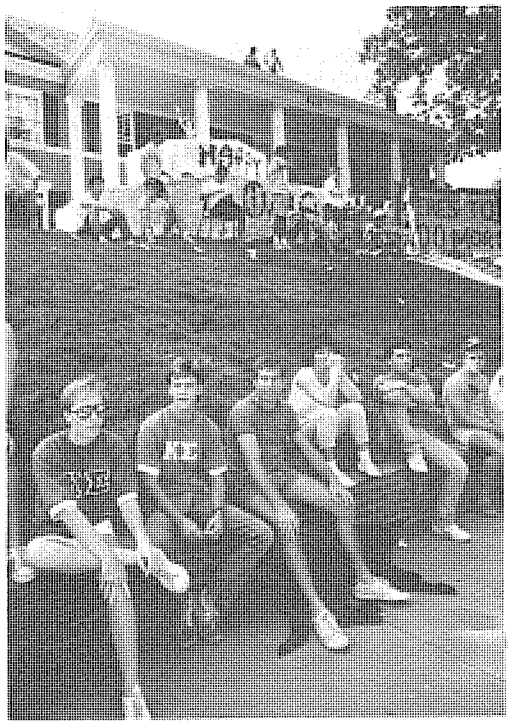
MEN'S SOCIAL FRATERNITIES

Fraternity	Date Established On Campus	Fraternity	Date Established On Campus
Alpha Tau Omega	1888	Sigma Chi	1922
Sigma Alpha Epsilon	1890	Phi Sigma Kappa	1923
Kappa Sigma	1895	Chi Psi	1923
Sigma Nu	1896	Theta Chi	1923
Kappa Alpha Order	1899	Phi Gamma Delta	1926
Phi Delta Theta	1902	Phi Kappa Tau	1929
Chi Phi	1904	Lambda Chi Alpha	1942
Phi Kappa Sigma	1904	Alpha Epsilon Pi	1946
Pi Kappa Alpha	1904	Tau Kappa Epsilon	1948
Sigma Phi Epsilon	1907	Theta Xi	1951
Pi Kappa Phi	1913	Delta Upsilon	1957
Phi Epsilon Pi	1916	Phi Kappa Theta	1966
now Zeta Beta Tau: merged around	1970	Psi Upsilon	1970
Beta Theta Pi	1917	Omega Psi Phi	1976
Delta Sigma Phi	1920	Alpha Phi Alpha	1981
Delta Tau Delta	1921	Kappa Alpha Psi	1982

WOMEN'S SOCIAL SORORITIES

Sorority	Date Established On Campus
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

Source: Office of the Division of Student Affairs



CAMPUS ORGANIZATIONS

STUDENT GOVERNING ORGANIZATIONS

Organization	*Purpose*
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 Council	Provides extracurricular intramural athletic activities
Panhellenic	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 Complex Advisory Board	Administers programs serving recreational and athletic interests of the Tech community
Student Center Governing Board	Determines policies and procedures of the Student Center
Student Government Association	Provides for the involvement of the student body in the operation of the Institute

PRODUCTION ORGANIZATIONS

Organization	*Purpose*
Blueprint	Georgia Tech's annual
Chorale	Performs sacred works and popular contemporary music
Dramatech	Theatrical performances
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
WREK Radio	Georgia Tech's twenty-four hour a day radio station

HONOR SOCIETIES

Organization	*Purpose*
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
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 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

DEPARTMENT HONORARIES

Organization	*Purpose*
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
Kappa Kappa Psi	Promotes the existence and welfare of the band
Keramos	Ceramic industries
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

CAMPUS ORGANIZATIONS

DEPARTMENT AND PROFESSIONAL SOCIETIES

Organization	*Purpose*
Alpha Kappa Psi	Professional business fraternity for IM's and IE's
American Association of Textile Chemists & Colorists	New processes in textile manufacture
American Ceramic Society	Furthers ceramic science, technology, and developments
American Institute of Aeronautics & Astronautics	Promotes student/industry relations in aerospace engineering
American Institute of Architects	Provides student link to the practice of architecture
American Institute of Chemical Engineers	Builds leadership and communication skills
American Institute of Industrial Engineers	Encourages industrial engineering awareness
American Marketing Association	Fosters research in the field of marketing
American Nuclear Society	Nuclear engineering policy issues
American Society of Civil Engineers	Provides professional, social, and academic development activities
ASHRAE	Science & professions relating to heating, refrigeration engineering
American Society of Mechanical Engineers	Opportunities and responsibilites of mechanical engineering
Arnold Air Society	Develops leadership and dedication in AFROTC cadets
Association for Computing Machinery	Promotes & increases knowledge of modern computing machinery
Association for Industrial Design Students	Promotes field of industrial design
Georgia Society of Professional Engineers	Student Chapter, open to all engineering students
Graduate Students in Management	Serves as a focal point for graduate management activities
Institute of Electrical & Electronic Engineers	Provides means for student involvement in electrical engineering
Planning Society	Promotes Graduate City Planning Program
Society for Advancement of Management	Conducts and promotes scientific study of management principles
Society of Automotive Engineers	Advances automotive engineering practices
Society of Black Engineers	Fosters the recruitment, retention, and career development of minorities in engineering
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

SERVICE AND SOCIAL ORGANIZATIONS

Alpha Phi Omega--Gamma Zeta Chapter
Angel Flight
Cheerleading Squad
Circle K
Co-op Club Section I
Co-op Club Section II
Phi Psi Fraternity
Ramblin' Reck Club
Reckettes
"T" Club
Young Democrats of Georgia
World Student Fund

CULTURAL ORGANIZATIONS

Afro-American Association
Chinese Film Society
Chinese Students' Club
French Club
Hellenic Society
India Club
International Folk Dancers
Korean Student Association
League of Latin American Citizens
Lebanon Club
Spanish Speaking Organization
Turkish Students' Organization
Vietnamese Student Organization

RELIGIOUS ORGANIZATIONS

Baptist Student Union
Campus Crusade for Christ
Canterbury Association
Catholic Center
Christian Science College Organization
Fellowship of Christian Athletes
Great Commission
Hillel
Lutheran Campus Ministry
Muslim Student Association
The Navigators
Orthodox Christian Fellowship
Presbyterian Center
Real Life Fellowship
Tech Christian Fellowship
Wesley Foundation
Worldwide Discipleship Association
Y.M.C.A.

SPECIAL INTERESTS ORGANIZATIONS

Ballet Club
College Bowl Team
Executive Round Table
Georgia Trail Railroad Club
Ranger Company

RECREATION CLUBS

Chess Club
Disc Association
Flying Club
Radio Club
Scuba Jackets
Table Tennis Club

SPORTS CLUBS

Barbell Club
Bowling Club
Hockey Club
Judo Club
Karate Club
Lacrosse Club
Rugby Club
Sailing Club
Soccer Club
Sport Parachute Club
Water Ski Club
Women's Soccer Club
Women's Swimming Club

Source: Office of the Division of Student Affairs

FINANCIAL AID AND SCHOLARSHIPS

Private industry, businesses, foundations, and individuals, as well as state and federal governments, provide a wide spectrum of scholarship, grant, loan, and work awards for deserving Georgia Tech students. During the 1985-86 academic year, the funds available to our students grew by more than $1,350,000 and represent the second largest year of activity in the history of the Financial Aid Office. During the 1985-86 year, over $11,000,000 was distributed to Georgia Tech students.

For the 1985-86 academic year, Georgia Tech enrolled 382 Merit Scholars* and 72 Achievement Scholars*. These students are selected through national competition based on their Preliminary Scholastic Aptitude Test scores. The Scholars are selected without regard to financial need; however, the values of individual awards are determined by the financial circumstances of the Scholars' families. For the 1985-86 school year, Georgia Tech ranked twelfth in the nation in National Merit enrollment and sixth in National Achievement standing. Georgia Tech continues to rank number one among public schools in the percentage of both National Merit and National Achievement freshman enrolled.

In 1981, Georgia Tech awarded President's Scholarships* for the first time, honoring exceptional young people with demonstrated intellectual talents, outstanding leadership ability, and a desire to meet the challenge of the future. The concept behind the President's Scholarship Program is to retain Georgia's brightest students and attract them to Georgia Tech, and to encourage outstanding non-Georgians to attend Tech. The awards are the most prestigious scholarships available to entering freshmen, and some of the awards provide total costs (for Georgia residents). The program fosters and rewards academic excellence, enriches the classroom environment, and enhances the academic image of the Institute. For the 1985-86 academic year, 142 students were enrolled in the program.

* See pages 19, 20, and 21 for additional statistics regarding these programs.

Source: Office of the Director, Financial Aid

PRESIDENT'S FELLOWSHIP PROGRAM

President's Fellowships were originally established by President Joseph M. Pettit in 1973 to enhance the scope and quality of Georgia Tech's Ph.D. programs. Through the continued 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 advanced degrees, preferably to the doctoral level. Fellowship recipients bring exemplary levels of scholarship and innovation to the graduate schools that host their study and research. In turn, the Fellowship program enables these students to prepare themselves with a minimum of delay for outstanding careers in the disciplines of their choice. President's Fellowships provide competitive stipends, which supplement other support, plus a waiver of all tuition and fees.

This fellowship program has been successful in attracting outstanding students from programs at respected institutions. In order to enhance further the success of this program, schools and colleges will be allowed additional flexibility in the financial package they offer President's Fellows. For example, new fellows beginning with 1986-87 may be supplemented with a research assistantship or Foundation funds from the school or college.

Since the inception of the President's Fellowship Program in Fall Quarter 1973, 180 awards have been made. Forty-nine of the fellowship recipients have earned Ph.D. degrees, and twenty among them have earned master's degrees also. Seventy-nine earned only the master's degree. Thirty-three were still enrolled as of Spring Quarter 1986.

PRESIDENT'S FELLOWSHIP SURVEY, 1976-1986

Academic Year	*Number of New Fellows*	*Number Awarded Term. M.S.*	*Number Awarded Ph.D.*	*Number Ph.D.'s Completed in Award Year*
1976-77	12	4	7	3
1977-78	16	11	5	2
1978-79	11	6	3	6
1979-80	23	11	7	8
1980-81	15	9	4	3
1981-82	12	6	3	6
1982-83	14	6	1	5
1983-84	8	4	0	5
1984-85	11	4	0	9
1985-86	12	0	0	2

Source: Office of the Associate Vice President for Graduate Studies and Research

SUMMARY OF MAJOR PROGRAMS OF STUDENT FINANCIAL ASSISTANCE

	1984-85		1985-86	
	NUMBER OF AWARDS	AMOUNT OF AWARDS	NUMBER OF AWARDS	AMOUNT OF AWARDS
GEORGIA TECH AWARDS				
National Direct Student Loans	1,117	$617,302	1,061	$680,126
Supplementary Ed. Oppor. Grants	558	235,518	545	229,974
College Work-Study Program	223	266,368	153	211,557
Pell Grants	1,073	1,226,249	987	1,245,265
SUBTOTAL Federal Funds	**2,971**	**$2,345,437**	**2,746**	**$2,366,922**
Georgia Tech National Merit	284	$202,060	295	$233,999
Georgia Tech National Achievement	31	42,301	35	36,884
SUBTOTAL Merit/Achievement	**315**	**$244,361**	**330**	**$270,883**
Institutional Scholarships	1,566	$1,529,679	1,397	$1,638,028
Georgia Tech Long Term Loans	4	2,000	2	1,500
Short Term Loans	1,354	957,653	1,374	1,035,852
Emergency Loans	28	3,892	50	8,987
Subtotal Georgia Tech	**2,952**	**$2,493,224**	**2,823**	**$2,684,367**
SUBTOTAL GEORGIA TECH AID	**6,238**	**$5,083,022**	**5,899**	**$5,322,172**
OUTSIDE AWARDS				
Georgia Incentive Scholarships	690	$212,875	689	$239,850
Georgia Governor's Scholarships*	--	--	83	93,250
Miscellaneous Scholarships	657	639,620	717	785,194
Miscellaneous Grants	39	34,830	28	25,771
Guaranteed Loans--Georgia	946	2,095,038	1,074	2,491,796
Guaranteed Loans--Other States	937	2,239,701	1,125	2,687,110
Miscellaneous Loans	41	55,472	36	65,652
SUBTOTAL OUTSIDE AID	**3,310**	**$5,277,536**	**3,752**	**$6,388,623**
TOTAL	**9,548**	**$10,360,558**	**9,651**	**$11,710,795**

*New program

Source: Office of the Director, Financial Aid

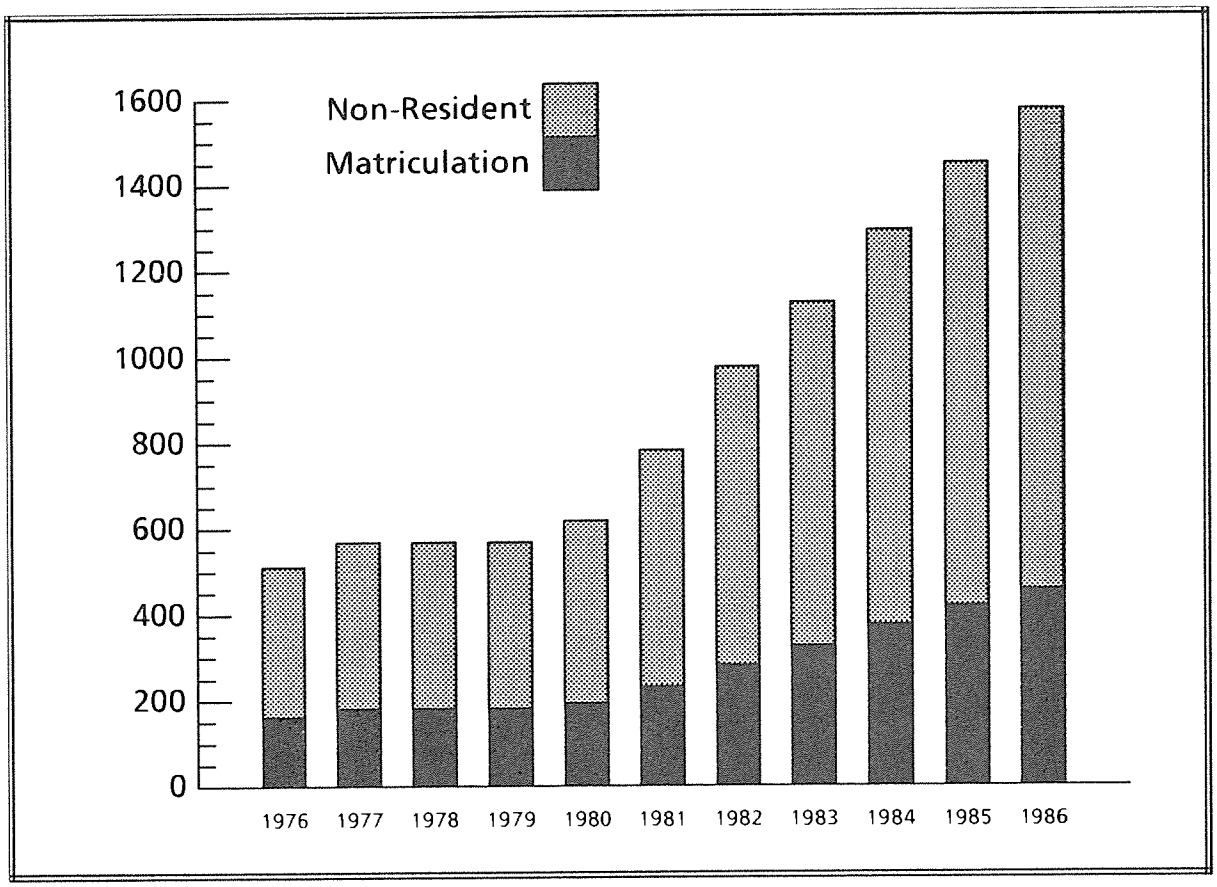
ROTC SCHOLARSHIPS: 1986-87 Academic Year

ROTC Scholarships pay tuition, academic fees, books, and a $100 monthly subsistence payment. Currently, the scholarship is worth $3,100 per year to Georgia residents and $6,500 to non-residents.

Average Number of Students on Scholarships	Total Amount of Scholarships
370	**$2,000,000**

Source: Office of the Commanding Officer, Navy ROTC

MATRICULATION AND TUITION FEES
FALL QUARTERS 1976-1986



Year	Matriculation Fee* *(Resident & Non-Resident)*	Non-Resident Tuition Fee*	Total Non-Resident Fee* *(Matriculation & Tuition)*
1976	$168	$354	$522
1977	185	389	574
1978	185	389	574
1979	185	389	574
1980	195	430	625
1981	236	550	786
1982	285	696	981
1983	328	800	1,128
1984	377	920	1,297
1985	424	1,035	1,459
1986	460	1,123	1,583

*These fees are for full-time students.

Source: Office of the Vice President, Business and Finance

COOPERATIVE PLAN

Since 1912, Georgia Tech has offered a five-year cooperative program to those students who wish to combine industrial work experience with classroom studies. 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 particular field of specialization with the designation "Cooperative Plan."

Industrial work gives cooperative students an opportunity to develop their career interests and to become more confident in their career choices. Students also are given an opportunity to develop skills in human relations 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.

The Georgia Power Company was one of the first employers of cooperative plan students. Among the more than 400 companies that participate are the Georgia Power Company, the Georgia Tech Research Institute, DuPont de Nemours & Company, Lockheed-Georgia Company, the Tennessee Valley Authority, the State of Georgia, General Electric Company, IBM Corporation, ITT Rayonier, Combustion Engineering, Tennessee Eastman Company, Southern Company Services, Philip Morris U.S.A., NASA, and General Motors Corporation.

Cooperative Division Six-Year Comparison

	1980-1981	*1985-1986*	*Percent Increase*
Cumulative Enrollment	2,227	2,560	15%
Student Graduates	251	306	22%

Number of Cooperative Students by Major: Spring Quarter 1986

Aerospace Engineering	140	Information & Computer Science	187
Ceramic Engineering	10	Management	133
Chemical Engineering	173	Mathematics	11
Chemistry	9	Mechanical Engineering	365
Civil Engineering	87	Nuclear Engineering	32
Electrical Engineering	726	Physics	25
Engineering Science & Mechanics	26	Textile Engineering	20
Health Physics	3	Undecided Engineering College	1
Industrial & Systems Engineering	253	Undecided COSALS	1
		Total	**2,202**

Source: Office of the Director, Cooperative Division

RESERVE OFFICER TRAINING CORPS (ROTC)

ARMY ROTC

Tech's Army ROTC program was one of the original ROTC units established by Congress in June 1916. Today nearly 100 students representing each of Tech's major schools and disciplines participate in a military science curriculum that integrates the classroom with field training experiences. Cadets can volunteer for airborne, air assault, northern warfare, jungle, flight, and ranger schools during the summer. Tech's Army ROTC program also supports over 400 students from the following cross-enrolled schools: Morris Brown, Morehouse, Spelman, Clark College, Atlanta University, Kennesaw College, Southern Tech, Berry College, Shorter College, Floyd Junior College, and Emory's School of Nursing.

In addition to its regular four-year scholarship program, Army ROTC provides two- and three-year competitive scholarships. Tech students may apply for these scholarships without prior enrollment in the ROTC program. These scholarships pay tuition and all academic-related fees plus $100 per month while the student is enrolled in Military Science. Approximately seventy-five Army ROTC cadets today are under full tuition Army scholarships. Students enrolled in Army ROTC, both scholarship and non-scholarship, may participate in the Cooperative Degree program. In addition, a Department of the Army Scientific and Engineering Cooperative Program is open to Army ROTC participants.

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 normally occurs during freshman and sophomore years, explores the contemporary Army in today's society and provides an introduction to principles of management and leadership. The advanced curriculum focuses on situational leadership, ethics, and American defense policies.

Upon successful completion of ROTC, Tech graduates advance to a wide range of officer specialties that maximize individual talents and academic backgrounds. Commissions as Lieutenant are awarded to all branches of service designated, and commissioned service is executed as a member of either the Regular (Active) Army, the U.S. Army Reserve, or the U.S. Army National Guard.

Source: Office of the Commanding Officer, Army ROTC

ROTC

NAVY ROTC

The Navy ROTC Unit at Georgia 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 380, including 150 midshipmen cross-enrolled from several metropolitan Atlanta colleges and universities. Over 80 percent of the midshipmen are on scholarship, which pays tuition, fees, books, uniforms, and a $100 per month subsistence payment. Non-scholarship Tech students may enroll in the NROTC College Program and compete for scholarships providing up to 3½ years of scholarship benefits. The NROTC Unit places primary emphasis on academic performance of midshipmen. Empirical data show that NROTC midshipmen have one of the highest grade point averages of all identifiable groups on campus. In addition to their regular courses, midshipmen take Naval Science courses each term covering subjects such as naval engineering, history of seapower, navigation, and leadership. A midshipman's successful completion of the program leads to a regular commission as an Ensign, U.S. Navy or Second Lieutenant, U.S. Marine Corps. Georgia Tech graduates are well prepared to participate in challenging and rewarding naval careers in aviation, submarines, and surface warfare as well as Marine Corps ground or aviation.

AIR FORCE ROTC

An Army Air Corps ROTC unit was established at Georgia Tech in September 1946. When the Air Force gained separate and independent status under the National Security Act of 1947, the unit became part of the U. S. Air Force. All phases of Air Force ROTC are open to both men and women. Students enrolled in the four-year program may compete for four, three, or two-year scholarships (tuition, fees, books, uniforms, plus $100 per month). The Air Force ROTC program at Georgia Tech consists of a General Military Course and a Professional Officer Course. The General Military Course covers the development of air power and the contemporary Air Force in the context of U. S. military organization, and is generally taken during the freshman and sophomore years. The Professional Officer Course covers Air Force management, leadership, and American defense policy and is taken during the junior and senior years. Students from Agnes Scott, Southern Tech, Georgia State, Morehouse, Clark, Morris Brown, and Spelman may take Air Force ROTC on the Georgia Tech campus and are eligible to compete for scholarships. Air Force ROTC enrollment at Georgia Tech is normally 300 students, of which about 200 have full scholarships. Each year, approximately fifty graduates are commissioned as Second Lieutenants into the U. S. Air Force.

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

ATHLETIC ASSOCIATION

The Georgia Tech athletic tradition is almost as old as the school itself and continues to be an important part of the Tech heritage. The first football team was formed in 1892 and from that initial season until 1903 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 was named. Over the last eighty-three years, Tech has had only seven full-time head football coaches: John Heisman, Bill Alexander, Bobby Dodd, Bud Carson, Bill Fulcher, Pepper Rodgers, and Bill Curry.

The Tech football history is indeed rich and includes such notable events as three national championships (1917, 1928, and 1952), twenty-three bowl game appearances (fifteen wins, eight losses), and forty-three All-American citations. The Tech legend includes a lot more than football, however, and many great names have made sports history at Georgia Tech--Bobby Jones (golf); Roger Kaiser, Rich Yunkus, and Mark Price (basketball); Ed Hamm (track world record holder and Olympic performer); and Antonio McKay (Olympic gold and bronze medalist in track and field).

Over the last two years, Georgia Tech has enjoyed its best total sports record in the history of the Institute. Coach Bobby Cremins's basketball team claimed an Atlantic Coast Conference basketball championship in 1985, and four of Tech's teams--basketball (sixth), golf (sixth), football (eighteenth), and baseball (seventeenth)--were ranked among the nation's top twenty teams during the 1985-86 school year.

The Athletic Association

The Georgia Tech Athletic Association is a non-profit organization that is responsible for maintaining the intercollegiate athletic program at Georgia Tech. The Athletic Association is overseen by the Georgia Tech Athletic Board, which is composed of seven faculty members, three alumni members, and three student members. The Board is chaired by the President of the Institute. The on-going operations of the Athletic Association are managed by the Director of Athletics, Dr. Homer Rice, and his staff.

The Athletic Association consists of the following areas of operations: Business, Development, Finance, Accounting, Ticketing, Academics, Marketing and Promotions, Sports Information, Sports Medicine, Football, Basketball, and Non-Revenue Sports. In addition, the

ATHLETIC ASSOCIATION

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, for example, 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. Academics Center. Tech's athletic plant also features the 46,000-seat Grant Field for football, the newly-renovated 10,000-seat Alexander Memorial Coliseum for basketball, and the new Russ Chandler Stadium for baseball, as well as the Bortell Tennis Center (which features both indoor and outdoor courts) and the state-of-the-art George C. Griffin Track complex.

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 two-fold: (1) to develop and maintain a competitive athletic program 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 BOARD

Chairman:	Dr. Henry C. Bourne, Jr., Acting President
Vice-Chairman:	Dr. William M. Sangster, Dean, College of Engineering
Faculty:	Dr. Robert McMath, Professor, School of Social Sciences Dr. Carole E. Moore, Assistant Vice-President for Student Affairs Dr. William A. Schaffer, Professor, College of Management Dr. Gerald Theusen, Professor, School of Industrial and Systems Engineering Dr. Robert E. Green, Professor, College of Management Dr. Mark Smith, Assistant Professor, Electrical Engineering
Alumni:	Jim Thorne, Chamblee, Georgia George H. Brodnax III, Atlanta, Georgia Dan McKeever, Atlanta, Georgia
Students:	Cory Collier, Football Team Representative Jamie Evans, Student Body President David Schmitt, Editor, the *Technique*
Honorary Members:	R.H. Tharpe, Sr., Atlanta, Georgia Arthur Howell, Atlanta, Georgia

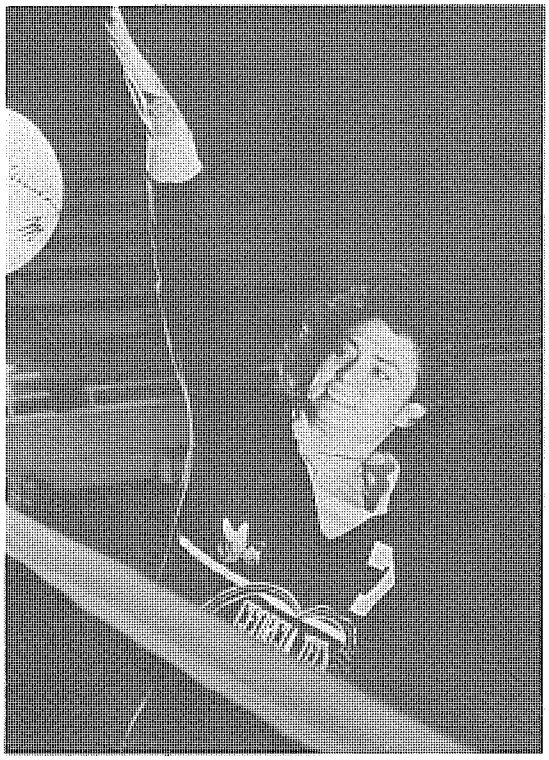
ATHLETIC ASSOCIATION

The Georgia Tech Athletic program includes sixteen intercollegiate athletic teams (ten men's and six women's). During the 1985-86 school year, 322 student-athletes competed in these sports:

Men's Teams	*Head Coaches*	*Number of Participants*
Baseball	Jim Morris	36
Basketball	Bobby Cremins	11
Cross Country	Steve Keith	7
Football	Bill Curry	100
Golf	Puggy Blackmon	15
Gymnastics	Bill Beavers	15
Swimming	Herb McAuley	19
Tennis	Gery Groslimond	12
Track	Buddy Fowlkes	25
Wrestling	Lowell Lange	19

*Women's Teams**	*Head Coaches*	*Number of Participants*
Basketball	Bernadette McGlade*	12
Cross Country	Dee Todd	10
Softball	Terry Chambers	13
Tennis	Rick Davison	7
Volleyball	Judy Sackfield	11
Track	Dee Todd	10

*Bernadette McGlade is the Assistant Director of Athletics--Women's Sports



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

Group	*Number of Participants*
Band	175
Pep Band	47
Reckettes	30
Cheerleaders	20
Solid Gold	40
Student Trainers	11
Student Managers	12

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 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 non-profit 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 thirty-seven individuals distinguished by success in their chosen profession 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 National 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. Nineteen emeritus trustees continue to advise the Foundation and actively support the Institute.

The office of the Foundation is located in the L. W. "Chip" Robert Alumni/Faculty House on North Avenue.

The fund balance of the Foundation as of 30 June 1986 was $57,127,030. The Foundation provides monies for:

- supplements to faculty salaries
- faculty professional and curriculum development
- faculty and staff recruiting
- student loans, scholarships, and fellowships, such as National Merit Scholars, National Achievement Scholars, and President's Scholars
- various other special projects

Elected Officers

L. Travis Brannon, Jr., President
John E. Aderhold, Vice-President
Robert H. Ferst, Treasurer

Source: Office of the Vice President, Communications and Development

CORPORATE RELATIONS AND PLACEMENT

The Office of Corporate Relations and Placement is located in the Fred W. Ajax Placement Center on Hemphill Avenue. The office coordinates the Institute's annual corporate development effort, which totaled over $15.5 million in 1985-86. In addition, the office serves the Georgia Tech community with a variety of placement services, including opportunities for full-time, as well as part-time, temporary, and summer, 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.

A library that includes information on specific employers, governmental services, and special publications related to employment is maintained at the Placement Center facility. Also, the office keeps local and national salary data, employment patterns of Georgia Tech graduates (employers, types of positions, and work locations), and graduate and professional school information. Other services include seminars on the employment process, résumé preparation, effective interviewing techniques, and letter writing campaigns. In addition, the office issues a résumé book and maintains an open résumé file 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. This service includes stimulating and encouraging corporate support through financial grants, fellowships, scholarships, faculty support, and equipment.

Over 700 employers annually interact directly with the Office of Corporate Relations and Placement. These employers represent a substantial number of the Fortune 500 corporations, as well as many state and regional organizations.

Source: Office of the Director, Corporate Relations and Placement

REPORTED STARTING MONTHLY SALARIES

The average starting monthly salary offers shown reflect only those 1 July 1985-30 June 1986 graduates who received employment offers in private industry and government through the Office of Corporate Relations and Placement. These offers were computed from employer correspondence only.

STARTING SALARIES BY MAJOR
SEPARATED BY INDUSTRY AND GOVERNMENT
AVERAGE/MONTH

MAJOR	INDUSTRY OFFERS			GOVERNMENT OFFERS		
	High	Low	Average/ #Offers	High	Low	Average/ #Offers
Aerospace Engineering						
Bachelor's	$2,558	$2,040	$2,306/20	$2,241	$1,708	$1,914/9
Building Construction						
Bachelor's			$2,042/1			
Chemical Engineering						
Bachelor's	$2,750	$1,708	$2,447/54	$1,930	$1,559	$1,806/3
Master's	$2,975	$2,400	$2,718/7			
Ph.D.			$3,483/1			
Chemistry						
Bachelor's			$2,385/1			
Ph.D.	$3,275	$2,916	$3,096/2			
Civil Engineering						
Bachelor's	$2,492	$1,693	$2,150/28			$1,930/2
Master's	$2,692	$2,400	$2,535/5			
Electrical Engineering						
Bachelor's	$2,850	$1,500	$2,444/100	$2,165	$1,559	$1,737/28
Master's	$3,150	$2,300	$2,820/34	$2,320	$1,930	$2,184/4
Ph.D.	$4,050	$2,850	$3,414/5			
Engineering Science and Mechanics						
Bachelor's	$2,557	$1,800	$2,227/3			
Geophysical Sciences						
Master's	$2,750	$2,625	$2,708/3			
Health Physics						
Bachelor's	$2,295	$2,200	$2,255/3			
Master's			$3,020/1			
Industrial and Systems Engineering						
Bachelor's	$2,920	$1,292	$2,245/63	$2,503	$1,559	$1,840/6
Master's	$3,000	$2,500	$2,629/5			
Ph.D.	$3,750	$2,725	$3,364/3			
Information and Computer Science						
Bachelor's	$2,667	$1,800	$2,327/29			$2,122/1
Master's	$3,575	$2,600	$2,901/15			
Management						
Bachelor's	$2,417	$1,667	$1,923/29			
Master's	$3,000	$1,792	$2,124/6			
Management Science						
Bachelor's	$2,250	$1,910	$2,187/3			
Materials Engineering						
Master's			$2,500/1			

REPORTED STARTING MONTHLY SALARIES

MAJOR	INDUSTRY OFFERS			GOVERNMENT OFFERS		
	High	Low	Average/ #Offers	High	Low	Average/ #Offers
Mathematics						
Bachelor's			$2,725/1			
Master's	$2,910	$2,583	$2,748/3			
Ph.D.			$4,416/1			
Mechanical Engineering						
Bachelor's	$2,833	$1,675	$2,375/87	$2,635	$1,930	$1,966/14
Master's	$3,040	$2,355	$2,683/20	$2,549	$1,708	$2,166/4
Ph.D.			$4,233/1			
Metallurgy						
Master's	$2,782	$2,400	$2,596/4			
Nuclear Engineering						
Bachelor's	$2,559	$1,730	$2,294/6			
Master's				$1,930	$1,559	$1,745/2
Operations Research						
Master's	$2,917	$2,500	$2,709/2			
Textiles						
Bachelor's	$2,290	$1,750	$1,994/10			

No salary offers were reported by employers for the following majors:

Architecture	City Planning	Health Systems	Statistics
Atmospheric Sciences	Economics	Industrial Design	Technology & Science Policy
Biology	Environmental Engineering	Psychology	

STARTING SALARIES REPORTED BY EMPLOYERS, 1 JULY 1985-30 JUNE 1986
OVERALL COMBINED INDUSTRY & GOVERNMENT AVERAGE STARTING SALARY PER MONTH/NUMBER OF OFFERS

	1984-85	1985-86	PERCENT CHANGE
Overall	$2,352/989	$2,364/632	+ 0.5%
Bachelor's	$2,248/805	$2,256/504	+ 0.4%
Master's	$2,646/167	$2,710/115	+ 2.4%
Ph.D.	$3,255/17	$3,791/13	+ 16.5%

	BY COLLEGE			
	Engineering	Architecture	Management	COSALS
Overall	$2,380/538	$2,042*	$2,038/58	$2,418/58
Bachelor's	$2,272/441	$2,042*	$1,923/29	$2,340/33
Master's	$2,680/87	N/A	$2,594/6	$2,864/22
Ph.D.	$3,488/10	N/A	N/A	$3,536/3

*Only one salary offer reported

Source: Office of the Director, Corporate Relations and Placement

REPORTED POST-GRADUATION PLANS

The following is a summary of post-graduation plans for 1985-1986 Georgia Tech graduates who reported their plans to the Office of Corporate Relations and Placement:

College	Number Reporting	Accepted Employment	Graduate School	Entering Military	Continuing Search
September 1985 Graduates					
Architecture	3	2 (67%)	1 (33%)	0	0
Engineering	132	77 (58%)	14 (11%)	11 (8%)	30 (23%)
Management	22	12 (55%)	1 (5%)	1 (5%)	8 (35%)
Sciences & Liberal Studies	26	12 (46%)	5 (19%)	1 (4%)	8 (31%)
Total	**183**	**103 (56%)**	**21 (12%)**	**13 (7%)**	**46 (25%)**
December 1985 Graduates					
Architecture	3	2 (67%)	0	0	1 (33%)
Engineering	117	66 (56%)	17 (15%)	7 (6%)	27 (23%)
Management	19	10 (53%)	2 (11%)	1 (5%)	6 (31%)
Sciences & Liberal Studies	23	10 (44%)	6 (26%)	0	7 (30%)
Total	**162**	**88 (54%)**	**25 (16%)**	**8 (5%)**	**41 (25%)**
March 1986 Graduates					
Architecture	3	2 (67%)	0	0	1 (33%)
Engineering	91	63 (69%)	10 (11%)	5 (6%)	13 (14%)
Management	16	9 (57%)	1 (6%)	1 (6%)	5 (31%)
Sciences & Liberal Studies	18	10 (56%)	4 (22%)	0	4 (22%)
Total	**128**	**84 (66%)**	**15 (12%)**	**6 (4%)**	**23 (18%)**
June 1986 Graduates					
Architecture	8	4 (50%)	1 (13%)	0	3 (37%)
Engineering	267	155 (58%)	33 (12%)	21 (8%)	58 (22%)
Management	44	23 (52%)	3 (7%)	2 (5%)	16 (36%)
Sciences & Liberal Studies	52	25 (48%)	11 (21%)	1 (2%)	15 (29%)
Total	**371**	**207 (56%)**	**48 (13%)**	**24 (6%)**	**92 (25%)**
Total 1985-1986 Graduates					
Architecture	17	10 (59%)	2 (12%)	0	5 (29%)
Engineering	607	361 (60%)	74 (12%)	44 (7%)	128 (21%)
Management	101	54 (53%)	7 (7%)	5 (5%)	35 (35%)
Sciences & Liberal Studies	118	57 (48%)	26 (22%)	2 (2%)	33 (28%)
Total	**843**	**482 (57%)**	**109 (13%)**	**51 (6%)**	**201 (24%)**

Source: Office of the Director, Corporate Relations & Placement

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 consisting of thirty-six elected alumni members. The mission of the association as stated in its charter is to: (1) promote active alumni participation for Georgia Tech through services to the alumni and keeping 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; and (5) manage the resources of the Association in such a way as to achieve this mission in the most cost effective manner.

As a service organization, the Alumni Association accomplishes its mission by publishing the *Georgia Tech Alumni Magazine* and *Tech Topics*, the alumni newspaper; by organizing and supervising alumni clubs throughout the United States and in international locations; and by designing and presenting alumni programs, such as homecoming events, reunions, workshops, and seminars. Young alumni are encouraged to become involved in the affairs of the Association and the Institute through participation in campus programs, senior orientation, and the career advisory service for students. The Association also maintains the official alumni statistical records and files in order that communication with alumni, who presently number over 70,000, can be accomplished with accuracy and completeness. Monetary support is provided by alumni and friends through their participation in the Association's Annual Roll Call.

The Alumni Association also provides opportunities for employment for both alumni and graduating seniors through its Alumni Placement Service. Since 1936, this office has provided industry, business, and government with an excellent source of well-educated, broadly experienced candidates for employment. The office is funded through contributions to the Annual Roll Call and by companies who utilize the service.

ALUMNI ASSOCIATION

The Alumni Placement staff has been innovative in its efforts to provide a progressive placement service. In addition to the *Alumni Placement Bulletin*, the Annual Career Conference and the Career Section in *Tech Topics* have been extremely beneficial to alumni who are searching for employment. The Alumni Placement office also provides seminars on topics related to employment.

Last year, the Alumni Association initiated a new program, "Wreck Net." This is an on-line, interactive computerized network that allows alumni with personal computers to tie in directly to the Alumni Association to receive information about all campus activities.

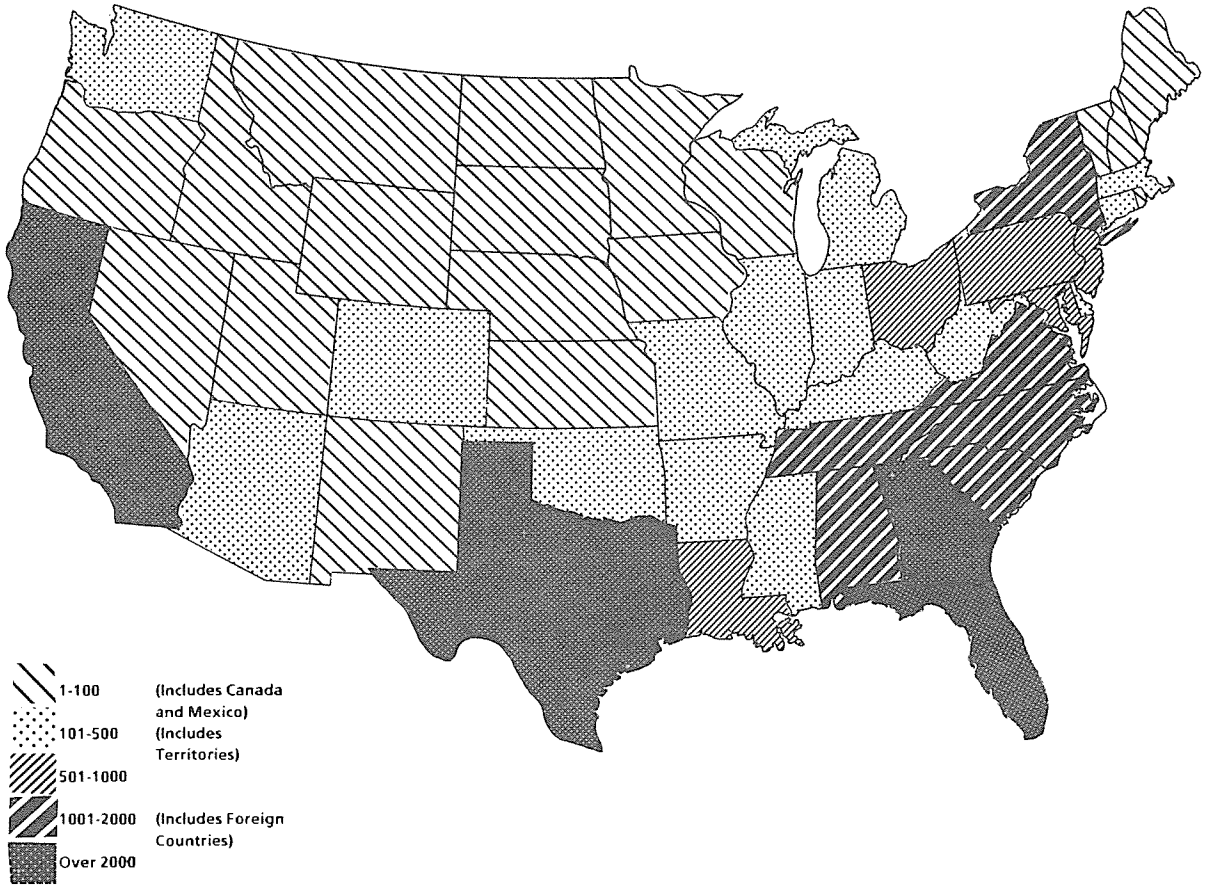
The offices of the Alumni Association are located in the L.W. "Chip" Robert, Jr. Alumni/Faculty House on North Avenue. The telephone number of the Association is 404/894-2391.

Alumni Association Officers

Ben J. Dyer, President
Geoffrey C. Gill, Past President
Lawton M. Nease III, President Elect/Treasurer
Bobby Joe Anderson, Vice President Activities
Shirley Mewborn, Vice President Roll Call
Oliver H. Sale, Jr., Vice President Communications
John B. Carter, Jr., Vice President/Executive Director
P. Warren Heemann, Vice President

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

GEOGRAPHICAL DISTRIBUTION OF ALUMNI*
(As of July 1986)



STATE	NUMBER	STATE	NUMBER	STATE	NUMBER
Alabama	1,708	Louisiana	704	Oklahoma	154
Alaska	34	Maine	27	Oregon	67
Arizona	213	Maryland	917	Pennsylvania	700
Arkansas	164	Massachusetts	434	Rhode Island	45
California	2,032	Michigan	260	South Carolina	1,570
Colorado	304	Minnesota	87	South Dakota	4
Connecticut	410	Mississippi	375	Tennessee	1,853
Delaware	197	Missouri	326	Texas	2,215
District of Columbia	94	Montana	14	Utah	35
Florida	4,464	Nebraska	38	Vermont	22
Georgia	24,886	Nevada	44	Virginia	1,622
Hawaii	49	New Hampshire	44	Washington	241
Idaho	26	New Jersey	751	West Virginia	123
Illinois	462	New Mexico	97	Wisconsin	83
Indiana	212	New York	1,167	Wyoming	19
Iowa	53	North Carolina	1,803	Territories	234
Kansas	98	North Dakota	9	Canada	48
Kentucky	342	Ohio	694	Mexico	84
				Foreign Countries	1,106

TOTAL COUNTED 53,764*

*This figure includes only those alumni whose location is known.

Source: Office of the Director, Alumni Association

CONTINUING EDUCATION

The Department of Continuing Education represents the education extension arm of Georgia Tech. It is responsible for all non-credit, as well as all off-campus credit-based academic programs.

These programs range from conferences, seminars, and workshops to academic credit-based courses. They are delivered in a variety of methods including both live and electronic. Electronic delivery now includes satellite uplink and downlink capabilities and the video-based system.

Diverse programming includes courses in:

- Expert Systems
- Management
- Computer Science Applications
- Environmental Health and Safety
- Electronics
- Energy
- New Technology
- Real Estate
- Artificial Intelligence
- Economic Development
- Business and Economics
- Applied Science
- Engineering
- Industrial Applications
- City Planning
- Radiation Protection

Program faculty come from all four colleges at Georgia Tech: Engineering, Architecture, Management, and Sciences and Liberal Studies. They also come from the Georgia Tech Research Institute, from the Advanced Technology Development Center, and from various research centers in the Office of Interdisciplinary Programs. Additionally, Continuing Education is transmitted by communication satellite to all the Association for Media Based Continuing Engineering Education (AMCEE) non-credit offerings throughout the United States.

In addition to programs administered on the Georgia Tech campus, programs were conducted at sites throughout the country this past year. International programs were conducted in China and Canada. Courses and programs are being delivered by video tape, low power microwave transmission, and through direct satellite broadcast to locations throughout the United States.

The Department has set in motion a plan assigning a representative to interact with each Georgia field office of the Industrial Extension Division of the Economic Development Laboratory, Georgia Tech Research Institute. The objective is to ensure that Georgia Tech is responsive to the continuing education needs of Georgia business, industry, and government organizations.

CONTINUING EDUCATION

Continuing Education has an expanding area of activities including:

- Computer Institute--Offerings range from introductory to applied computer related courses available to the public and private sector on a non-credit basis.
- Language Institute--Intensive English non-credit courses for foreign students. Over 150 students from thirty-eight different countries are enrolled.
- Institute for Military Education--This institute is a focal point and catalyst for military education activities.

Through the public service activities of Continuing Education, Georgia Tech's resources in teaching and research are brought to the attention of local, state, regional, national, and international communities. These communities receive continuously updated information on ideas, issues, technologies, and developments.

PROGRAM INFORMATION*

Number of:	*1981-82*	*1982-83*	*1983-84*	*1984-85*	*1985-86*
Programs	163	221	221	296	516
Participants	4,758	6,039	6,976	8,103	11,347
States Represented**	48	48	50	51	53
International Participants	661	580	392	652	511
Ga. Residents	2,414	3,089	3,331	3,454	5,494
Ga. Counties Represented	112	98	119	108	119
Institutional Continuing Education Units (CEU's)	23,913	25,627	19,983	24,008	26,194

* This table represents all public service activity officially reported to Continuing Education, in addition to programs sponsored by the department.

** Includes the Canal Zone, Puerto Rico, and Virgin Islands

Source: Office of the Director, Continuing Education

INDUSTRIAL EDUCATION

Industrial Education, part of the Georgia Tech Research Institute (GTRI), provides on-site human resource development and technical training activities to Georgia's industrial community. Industrial Education is administered by GRTI's Economic Development Laboratory (see page 93). This group offers the resources and technical expertise at Tech to individual firms when solutions to problems are needed. Seminars, workshops, and conferences have been provided for textile, food processing, automobile, and other industries.

For over sixty-six years, this group has helped industrial firms through training and educational services. Some recent in-plant training activities have included workshops on supervisory skill development. With the help of this training, one company was able to reduce its turnover rate from 66.6 percent to 21.9 percent in two years. Another project involved the development of realistic training programs using analytical methods, which resulted in streamlining and greatly reducing the cost of one firm's training program. Other workshops have encompassed the topics of safety and health, human relations, labor relations, management awareness, and instructor training.

Five-Year Summary of In-Plant Classes

Administered & Conducted by Industrial Education

	1981-82	*1982-83*	*1983-84*	*1984-85*	*1985-86*
Number of Classes	197	160	118	124	147
Number of Students Enrolled	3,305	4,223	2,430	2,293	2,212
Number of Participating Companies	61	69	46	54	52
Total Pupil Hours	63,362	40,137	23,169	22,893	27,436

Source: Office of the Director, Georgia Tech Research Institute

THE CENTER FOR THE ENHANCEMENT OF TEACHING AND LEARNING

The Center for the Enhancement of Teaching and Learning 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 for faculty, students, and administrators to seek and share information. Current and projected activities of the center include:

- Designing, administering, and evaluating the Institute's system for development of teaching proficiency, including organization of workshops, new faculty orientation programs, training programs for graduate assistants, and other similar programs;
- Providing consultation to faculty members or department heads 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;
- Periodically surveying (in collaboration with the Office of Campus Planning) facilities used for course presentation and support of teaching activities, and submitting reports detailing needs for improvements to the Vice-President for Academic Affairs;
- Providing information to faculty on availability of facilities and services for support of teaching activities;
- Coordinating and evaluating the Institute's system for measuring student opinions of instructional quality;
- Providing consultation to department heads and others involved in the overall assessment of teaching proficiency;
- Conducting studies designed to provide information relating to instructional quality and its improvement, and distributing reports to those persons concerned with specific topics.

The Center is located in the Carnegie Building (phone, 404/894-4475).

Source: Office of the Director, The Center for the Enhancement of Teaching and Learning

INFORMATION TECHNOLOGY

Information technology has by now become an integral and crucial part of virtually all administrative, instructional, and research units of the Georgia Institute of Technology. These widely dispersed, information processing activities are coordinated and given policy guidance through an Executive Committee on Information Technology (ECIT). The ECIT is comprised of the Assistant to the President for Information Technology and the Vice Presidents for Academic Affairs, Research, and Business and Finance. The following two administrative units are directly engaged in providing the Institute with information technology facilities and services:

OFFICE OF COMPUTING SERVICES (OCS)

Georgia Tech has available a wide range of computer facilities including four mainframe computers, more than forty minicomputers, and more than 2,500 personal computers with communication capabilities. A number of the larger facilities are managed by the Office of Computing Services (OCS), which offers facilities management support to the campus as a whole, and which, in addition, is responsible for the operation of a large central computing facility. The computer center currently houses a Control Data Corporation Cyber 990 computer with vector capabilities and high speed (32 MIP) scalar capabilities and a CDC 855 system coupled to an IBM 4381 and to a large array of disk drives, magnetic tape units, data communications devices, and printing devices, including Xerox 8790 and 9700 laser printers.

In addition to the central facilities described above, there are numerous satellite computer activities devoted to special campus projects; these activities are conducted through a wide variety of dedicated machines, including IBM equipment in the 4300 series, AT&T 3B20's, Digital Equipment Corporation VAX's, Control Data 810 and 830 systems, and equipment from other major vendors such as Burroughs, Data General, Harris, Hewlett-Packard, Perkin-Elmer, Pyramid, Xerox, and others. A number of these satellite facilities are managed by OCS, including a laboratory of Xerox 1108's and 8014's used to support advanced instruction in artificial intelligence.

The various computer mainframes, minicomputers, and microcomputers dispersed throughout the Georgia Tech campus are linked by GTNET, the Institute's advanced data communications network. In GTNET, a five-mile broadband "backbone" spanning the campus's

128 buildings supports more than 2,380 network ports interconnecting a score of computers and includes such technologies as:

- baseband networks, providing intra-building communications
- fiber optics cable bridging baseband networks together
- microwave providing network access to remote sections of the campus
- dialup modem banks providing network connections to GTNET from off-campus
- dedicated highspeed telephone lines extending GTNET to remote off-campus locations

Through GTNET, faculty, staff, and students have the opportunity to access worldwide information databases through the services provided by BITNET, CSNET, and ARPANET. In addition, a highspeed data link between Georgia Tech and the University of Georgia provides connection to the computing resources of USCN, the University System Computer Network.

Recent multi-million dollar grants from IBM, Control Data , and other major corporations have made it possible for Tech to proceed with the development of two world class centers for research in the areas of computer-assisted research and development. One is a center for research in the areas of computer-assisted engineering, design, and manufacturing (CAE/CAD/CAM); the other is a center for research and development projects to develop software and courseware for engineering education and to explore and extend the educational uses of state-of-the-art developments in expert systems, decision making, and distributed intelligence.

INFORMATION SYSTEMS AND APPLICATIONS (ISA)

To carry out Georgia Tech's mission in education, research, and public service, the Administration must have reliable information available upon which to base its decisions. The purpose of Information Systems and Applications is to support administration users in providing well-defined, highly responsive information systems. In carrying out this mission, ISA has four broad objectives:

- to define the future software environment under which Georgia Tech will operate
- to provide information systems that meet current and future needs through commercial software or ISA-developed programs
- to consolidate the existing systems into a unified institutional data base
- to evolve into an Information Center

Source: Office of the Director, Computing Services

Finances

FINANCIAL DATA--REVENUES

REVENUE BY SOURCE

	FY 1981-82	FY 1982-83	FY 1983-84	FY 1984-85	FY 1985-86
STUDENT TUITION & FEES					
Resident Instruction	$16,233,829	$18,733,868	$19,859,392	$22,300,507	$25,329,590
Eng Ext Division	1,161,380	1,287,702	1,599,587	1,895,489	3,066,656
Total	$17,395,209	$20,021,570	$21,458,979	$24,195,996	$28,396,246
ENDOWMENT INCOME					
Resident Instruction	$957,985	$225,656	$521,000	$195,015	$37,252
Ga Tech Research Inst	6,126	--	--	--	--
Unexp Plant Funds	2,130,117	1,399,933	868,246	1,344,222	849,604
Total	$3,094,228	$1,625,589	$1,389,246	$1,539,237	$886,856
GIFTS & GRANTS					
Resident Instruction	$272,928	$449,123	$197,116	$232,669	$166,982
Eng Ext Division	92,744	74,828	69,325	85,685	85,042
Unexp Plant Funds	1,028,000	327,876	353,469	1,920,450	58,956
Total	$1,393,672	$851,827	$619,910	$2,238,804	$310,980
INDIRECT COST RECOVERIES					
Resident Instruction	$4,451,801	$4,310,044	$4,729,699	$5,247,619	$7,223,952
Ga Tech Research Inst	8,939,356	10,956,710	12,233,197	13,295,037	16,058,728
Adv Tech Dev Center	17,859	35,041	13,050	35,549	18,765
Total	$13,409,016	$15,301,795	$16,975,946	$18,578,205	$23,301,445
OTHER SOURCES					
Resident Instruction	$418,583	$663,727	$686,901	$619,294	$675,632
Eng Ext Division		(1,384)	1,247	23,675	4,753
Ga Tech Research Inst	1,925,332	2,351,157	2,644,290	3,383,322	2,095,903
Adv Tech Dev Center	--	--	17,096	1,441	4,023
Unexp Plant Funds	1,730,254	1,206,101	1,286,352	3,642,175	1,978,217
Total	$4,074,169	$4,219,601	$4,635,886	$7,669,907	$4,758,528
STATE APPROPRIATION					
Resident Instruction	$37,077,100	$38,237,100	$45,898,963	$52,631,229	$57,057,829
Eng Ext Division	552,045	507,829	628,382	681,898	930,260
Ga Tech Research Inst	4,649,904	4,713,895	5,989,241	6,720,329	7,690,274
Agricultural Research	396,801	420,887	487,705	569,269	747,086
Adv Tech Dev Center	358,555	409,557	581,611	811,864	874,054
Center for Rehab Tech	--	--	--	--	356,175
Unexp Plant Funds	6,225,713	--	650,000	500,000	654,415
Total	$49,260,118	$44,289,268	$54,235,902	$61,914,589	$68,310,093
SPONSORED OPERATIONS					
Resident Instruction	$14,655,904	$17,723,001	$21,771,052	$22,133,359	$28,099,493
Eng Ext Division	5,316	--	4,676	29,555	15,730
Ga Tech Research Inst	25,778,700	34,836,734	36,544,998	35,342,783	36,772,843
Adv Tech Dev Center	33,006	95,458	34,840	80,861	38,096
Center for Rehab Tech	--	--	--	--	373
Total	$40,472,926	$52,655,193	$58,355,566	$57,586,558	$64,926,535

FINANCIAL DATA--REVENUES

REVENUE BY SOURCE

	FY 1981-82	FY 1982-83	FY 1983-84	FY 1984-85	FY 1985-86
SCHOLAR & FELLOW--RI	$1,999,348	$3,664,552	$3,995,958	$4,273,163	$4,160,507
AUXILIARY ENTERPRISES	$13,488,402	$13,763,106	$14,898,559	$17,538,743	$19,482,985
GA TECH ATHLETIC ASSN	$4,091,100	$5,095,414	$6,508,000	$7,843,968	$9,154,662
STUDENT ACTIVITIES	$1,052,917	$1,205,327	$1,216,970	$1,326,200	$1,347,282
GA TECH FOUND, INC	$6,498,458	$4,991,457	$4,850,417	$4,787,477	$5,098,663
GA TECH RESEARCH CORP	$2,923,811	$3,927,133	$4,392,000	$4,449,361	$3,869,052
TOTAL REVENUE					
Resident Instruction	$76,067,478	$84,007,071	$97,660,081	$107,632,855	$122,751,237
Ga Tech Research Inst	41,299,418	52,858,496	57,411,726	58,741,471	62,617,748
Eng Ext Division	1,811,485	1,868,975	2,303,217	2,716,302	4,102,441
Agricultural Research	396,801	420,887	487,705	569,269	747,086
Adv Tech Dev Center	409,420	540,056	646,597	929,715	934,938
Center for Rehab Tech	--	--	--	--	356,548
Auxiliary Enterprises	13,488,402	13,763,106	14,898,559	17,538,743	19,482,985
Ga Tech Athletic Assn	4,091,100	5,095,414	6,508,000	7,843,968	9,154,662
Student Activities	1,052,917	1,205,327	1,216,970	1,326,200	1,347,282
Ga Tech Found, Inc	6,498,458	4,991,457	4,850,417	4,787,477	5,098,663
Ga Tech Research Corp	2,923,811	3,927,133	4,392,000	4,449,361	3,869,052
Unexp Plant Funds	11,114,084	2,933,910	3,158,067	7,406,847	3,541,192
TOTAL	$159,153,374	$171,611,832	$193,533,339	$213,942,208	$234,003,834

Source: Office of the Vice President, Business and Finance

FINANCIAL DATA--EXPENDITURES

EXPENDITURES BY BUDGETARY FUNCTION

	FY 1981-82	FY 1982-83	FY 1983-84	FY 1984-85	FY 1985-86
INSTRUCTION					
Resident Instruction					
State	$23,316,794	$24,112,871	$25,997,299	$28,072,207	$36,738,836
Sponsored	1,584,388	2,645,470	3,474,282	3,611,054	4,500,452
Total Resident Instr	$24,901,182	$26,758,341	$29,471,581	$31,683,261	$41,239,288
Eng Ext Division					
State	$1,659,936	$1,721,104	$2,065,965	$2,409,499	$3,915,231
Sponsored	--	--	--	--	15,730
Total Eng Ext Division	$1,659,936	$1,721,104	$2,065,965	$2,409,499	$3,930,961
Total Instruction	$26,561,118	$28,479,445	$31,537,546	$34,092,760	$45,170,249
RESEARCH					
Resident Instruction					
State	$8,300,152	$7,704,205	$8,009,650	$9,802,907	$14,289,574
Sponsored	12,503,764	14,591,813	17,592,692	17,642,552	21,200,540
Total Resident Instr	$20,803,916	$22,296,018	$25,602,342	$27,445,459	$35,490,114
Ga Tech Research Inst					
State	$11,516,480	$14,465,468	$15,627,304	$17,296,570	$21,081,359
Sponsored	$25,778,700	34,836,734	36,537,223	35,332,522	36,765,918
Total GT Research Inst	$37,295,180	$49,302,202	$52,164,527	$52,629,092	$57,847,277
Agricultural Research					
State	$372,467	$391,780	$412,762	$478,197	$746,580
Eng Ext Division					
State	$2,832	--	--	--	$75,802
Sponsored	5,316	--	4,676	29,555	--
Total Eng Ext Division	$8,148	$0	$4,676	$29,555	$75,802
Adv Tech Dev Center					
Sponsored	$33,006	--	--	--	--
Total Research	$58,512,717	$71,990,000	$78,184,307	$80,582,303	$94,159,773
PUBLIC SERVICE					
Resident Instruction					
State	--	--	--	--	$6,005
Sponsored	--	--	--	--	1,109,071
Total Resident Instr	$0	$0	$0	$0	$1,115,076
Adv Tech Dev Center					
State	$359,367	$408,049	$505,207	$633,763	$703,860
Sponsored	--	95,458	34,840	80,861	38,096
Total ATDC	$359,367	$503,507	$540,047	$714,624	$741,956
Center for Rehab Tech					
State	--	--	--	--	$355,449
Sponsored	--	--	--	--	373
Total CRT	$0	$0	$0	$0	355,822
Total Public Service	$359,367	$503,507	$540,047	$714,624	$2,212,854

FINANCIAL DATA--EXPENDITURES

EXPENDITURES BY BUDGETARY FUNCTION

	FY 1981-82	FY 1982-83	FY 1983-84	FY 1984-85	FY 1985-86
ACADEMIC SUPPORT					
Resident Instruction					
State	$7,312,348	$8,713,150	$9,064,318	$10,586,891	$13,413,184
Sponsored	--	--	--	--	178,232
Total Academic Support	$7,312,348	$8,713,150	$9,064,318	$10,586,891	$13,591,416
STUDENT SERVICES					
Resident Instruction					
State	$2,008,877	$1,886,001	$1,966,197	$2,115,323	$2,802,103
Sponsored	3,174	22,144	31,375	21,935	6,687
Total Student Services	$2,012,051	$1,908,145	$1,997,572	$2,137,258	$2,808,790
INSTITUTIONAL SUPPORT					
Resident Instruction					
State	$9,986,349	$10,901,814	$17,735,801	$19,122,835	$11,708,300
Sponsored	521,000	431,400	663,944	850,921	1,104,511
Total Resident Instr	$10,507,349	$11,333,214	$18,399,745	$19,973,756	$12,812,811
Eng Ext Division					
State	$78,795	$96,116	$179,730	$205,296	$21,178
Ga Tech Research Inst					
State	$2,900,489	$2,216,301	$3,815,369	$4,105,337	$2,674,522
Agricultural Research					
State	$24,223	$29,217	$74,957	$91,072	--
Adv Tech Dev Center					
State	$17,047	$24,754	$64,564	$96,673	$30,020
Total Institutional Support	$13,527,903	$13,699,602	$22,534,365	$24,472,134	$15,538,531
OPERATION OF PLANT					
Resident Instruction					
State	$8,569,067	$9,437,747	$9,072,581	$11,585,906	$11,707,214
Sponsored	43,578	32,174	8,759	6,897	--
Total Resident Instr	$8,612,645	$9,469,921	$9,081,340	$11,592,803	$11,707,214
Eng Ext Division					
State	$61,151	$48,538	$49,244	$72,489	$74,500
Ga Tech Research Inst					
State	$1,131,066	$1,366,974	$1,473,448	$2,047,848	$2,171,573
Sponsored	--	--	7,775	10,261	6,925
Total GT Research Inst	$1,131,066	$1,366,974	$1,481,223	$2,058,109	$2,178,498
Agricultural Research					
State	--	--	--	--	$506
Adv Tech Dev Center					
State	--	$11,633	$40,688	$122,624	$162,760
Total Operation of Plant	$9,804,862	$10,897,066	$10,652,495	$13,846,025	$14,123,478
SCHOLAR & FELLOW--RI	$1,999,348	$3,664,552	$3,995,958	$4,273,163	$4,160,507

FINANCIAL DATA--EXPENDITURES

EXPENDITURES BY BUDGETARY FUNCTION

	FY 1981-82	FY 1982-83	FY 1983-84	FY 1984-85	FY 1985-86
AUXILIARY ENTERPRISES	$11,573,675	$13,102,308	$14,002,097	$16,258,505	$16,763,038
GA TECH ATHLETIC ASSN	$4,091,100	$5,095,414	$6,508,000	$7,843,968	$8,917,309
STUDENT ACTIVITIES	$1,077,377	$1,124,592	$1,245,652	$1,286,869	$1,296,050
GA TECH FOUND, INC	$6,498,458	$4,991,457	$4,850,417	$4,787,477	$5,098,663
GA TECH RESEARCH CORP	$2,923,811	$3,927,133	$4,392,000	$4,449,361	$3,869,052
UNEXP PLANT FUNDS	$11,114,084	$2,935,153	$3,158,067	$7,407,171	$3,541,192
GRAND TOTAL					
Resident Instruction					
State	$59,493,587	$62,755,788	$71,845,846	$81,286,069	$90,665,216
Sponsored	14,655,904	17,723,001	21,771,052	22,133,359	28,099,493
Scholar & Fellow	1,999,348	3,664,552	3,995,958	4,273,163	4,160,507
Total Resident Instr	$76,148,839	$84,143,341	$97,612,856	$107,692,591	$122,925,216
Eng Ext Division	1,808,030	1,865,758	2,299,615	2,716,839	4,102,441
Ga Tech Research Indst	41,326,735	52,885,477	57,461,119	58,792,538	62,700,297
Agricultural Research	396,690	420,997	487,719	569,269	747,086
Adv Tech Dev Center	409,420	539,894	645,299	933,921	934,736
Center for Rehab Tech	--	--	--	--	355,822
Auxiliary Enterprises	11,573,675	13,102,308	14,002,097	16,258,505	16,763,038
Ga Tech Athletic Assn	4,091,100	5,095,414	6,508,000	7,843,968	8,917,309
Student Activities	1,077,377	1,124,592	1,245,652	1,286,869	1,296,050
Ga Tech Found, Inc.	6,498,458	4,991,457	4,850,417	4,787,477	5,098,663
Ga Tech Research Corp	2,923,811	3,927,133	4,392,000	4,449,361	3,869,052
Unexp Plant Fund	11,114,084	2,935,153	3,158,067	7,407,171	3,541,192
TOTAL	$157,368,219	$171,031,524	$192,662,841	$212,738,509	$231,250,902

NOTE:

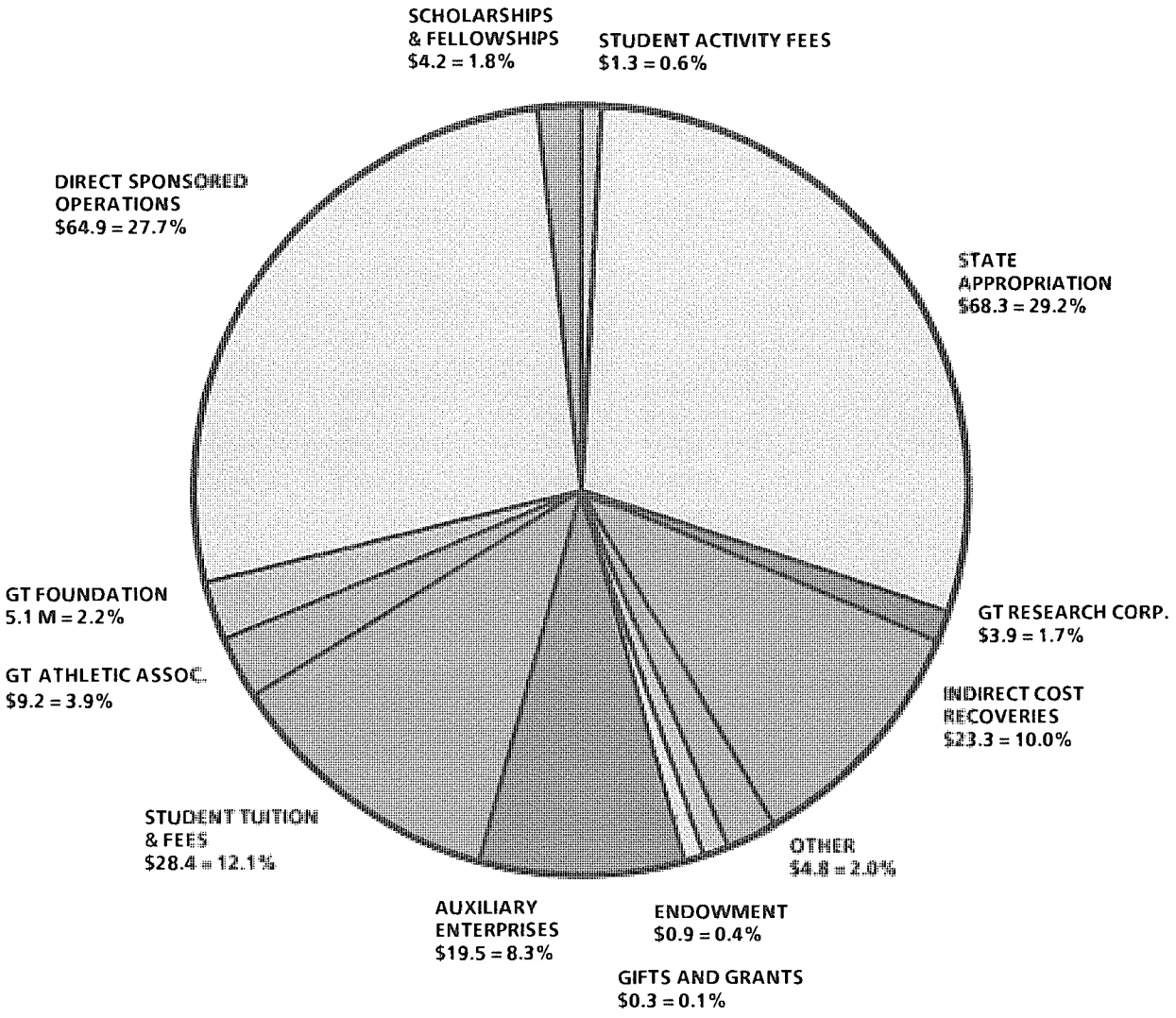
Institutional Support in FY 1983-84 and FY 1984-85 Actual includes Teachers' Retirement expense which was previously reported by the Board of Regents.

In FY 1985-86 Fringe Benefits (including Teachers' Retirement) are distributed by function instead of being consolidated into Institutional Support as in prior years per direction of the Board of Regents.

Source: Office of the Vice President, Business and Finance

FINANCIAL DATA BY PERCENTAGE

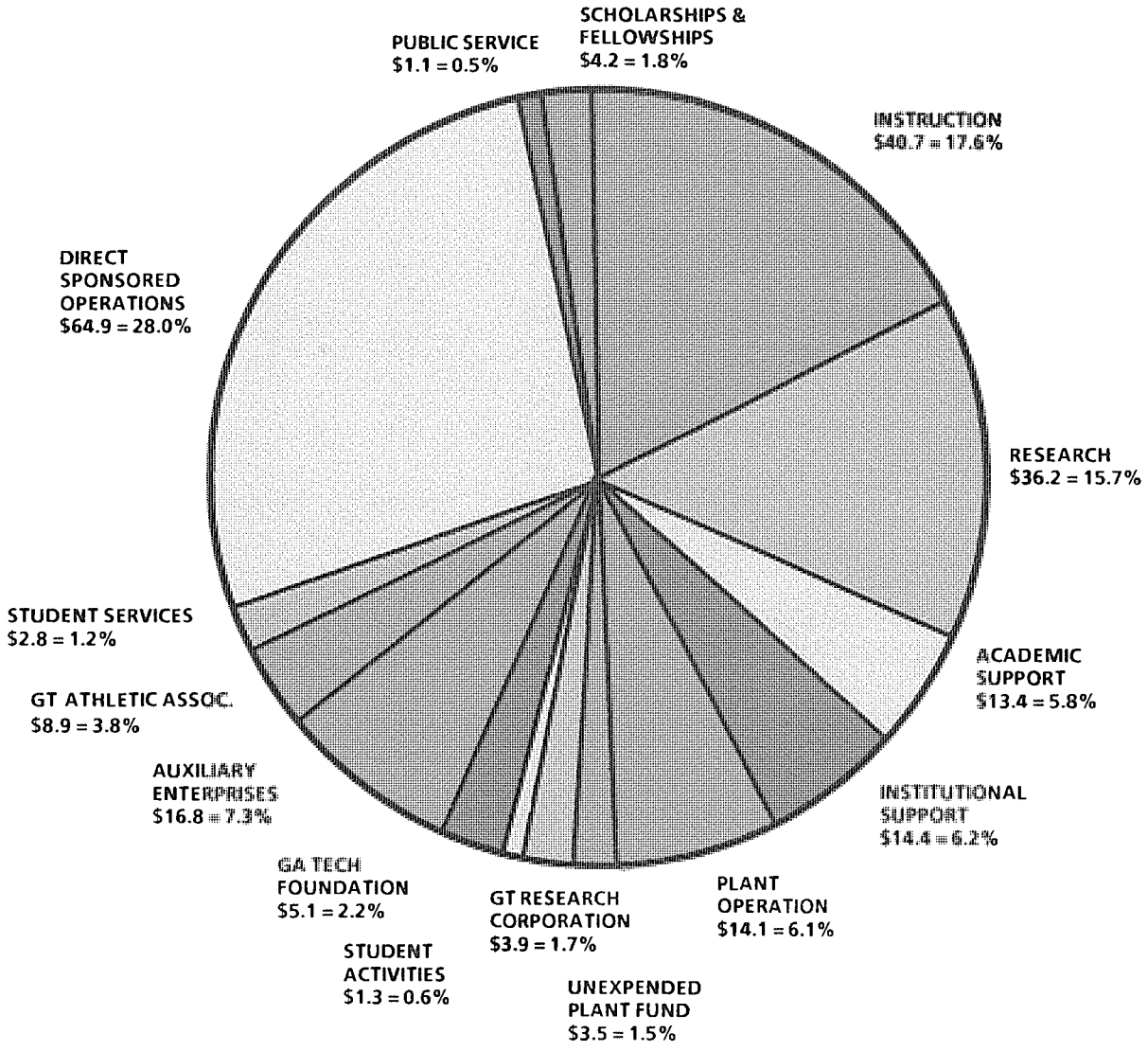
REVENUE BY SOURCE
FISCAL YEAR 1985-86: $234.0 MILLION*



*Note: Excess of Revenue over Expenditures is attributed to the Reserve for Renewal and Replacement in Auxiliary Enterprises as required by Board of Regents policy.

Source: Office of the Vice President, Business and Finance

EXPENDITURES BY BUDGETARY FUNCTION
FISCAL YEAR 1985-86: $231.3 MILLION*



*Note: Excess of Revenue over Expenditures is attributed to the Reserve for Renewal and Replacement in Auxiliary Enterprises as required by Board of Regents policy.

Source: Office of the Vice President, Business and Finance

FINANCIAL DATA BY PERCENTAGE

EXPENDITURES

The expenditures for 1985-86 were $231,250,902, including an increase of $18,512,393 or 8.7 percent over expenditures of $212,738,509 in the 1984-85 fiscal year.

The breakdown of expenditures by percentage of the total amount expended on the various items for a five year period is:

	EXPENDITURES BY PERCENTAGE				
	81-82	82-83	83-84	84-85	85-86
Instruction	15.9	15.1	14.6	14.4	17.6
Research	12.8	13.2	12.5	13.0	15.7
Public Service	0.3	0.2	0.3	0.3	0.5
Academic Support	4.6	5.1	4.7	5.0	5.8
Student Services	1.3	1.1	1.0	1.0	1.2
Institutional Support	8.3	7.8	11.0	10.8	6.2
Operation of Plant	6.2	6.4	5.9	6.9	6.1
Sponsored Operations	25.7	30.8	30.4	27.2	28.0
Scholarships & Fellowships	1.3	2.1	2.1	2.0	1.8
Auxiliary Enterprises	7.4	7.7	6.9	7.2	7.3
Georgia Tech Athletic Association, Inc.	2.6	3.0	3.4	3.7	3.8
Student Activities	0.7	0.6	0.7	0.6	0.6
Georgia Tech Foundation, Inc.	4.1	2.9	2.5	2.3	2.2
Georgia Tech Research Corporation	1.8	2.3	2.3	2.1	1.7
Unexpended Plant Fund	7.0	1.7	1.7	3.5	1.5
TOTAL	100.0%	100.0%	100.0%	100.0%	100.0%

REVENUE

Georgia Institute of Technology's revenue from all sources in the 1985-86 fiscal year is $234,003,834, including an increase of $20,061,626 or 9.4 percent over revenue of $213,942,208 in the 1984-85 fiscal year.

The breakdown of revenue by percentage of the amount in 1985-86, compared with the prior four years is:

	REVENUE BY PERCENTAGE				
	81-82	82-83	83-84	84-85	85-86
State Appropriation	30.9	25.8	28.0	29.0	29.2
Student Tuition & Fees	10.9	11.7	11.1	11.3	12.1
Endowment	1.9	0.9	0.7	0.7	0.4
Gifts & Grants	0.9	0.5	0.3	1.0	0.1
Indirect Cost Recoveries	8.4	8.9	8.8	8.7	10.0
Sponsored Operations	25.5	30.7	30.1	27.0	27.7
Scholarships & Fellowships	1.3	2.1	2.1	2.0	1.8
Auxiliary Enterprises	8.5	8.0	7.7	8.1	8.3
Georgia Tech Athletic Association, Inc.	2.6	3.0	3.4	3.7	3.9
Student Activities	0.6	0.7	0.6	0.6	0.6
Georgia Tech Foundation, Inc.	4.1	2.9	2.5	2.2	2.2
Georgia Tech Research Corporation	1.8	2.3	2.3	2.1	1.7
Other Sources	2.6	2.5	2.4	3.6	2.0
TOTAL	100.0%	100.0%	100.0%	100.0%	100.0%

Source: Office of the Vice President, Business and Finance

Research

RESEARCH AT GEORGIA TECH

Georgia Tech is a major center for advanced technology in Georgia and the Southeast. With a full-time general faculty of more than 1,400, mostly scientists and engineers, it conducts research of national significance; provides 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 a group of schools, centers, and research laboratories, with 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 non-profit organization incorporated under the laws of the state of Georgia, serves as the contract agency. It also handles patent and other financial and administrative research matters.

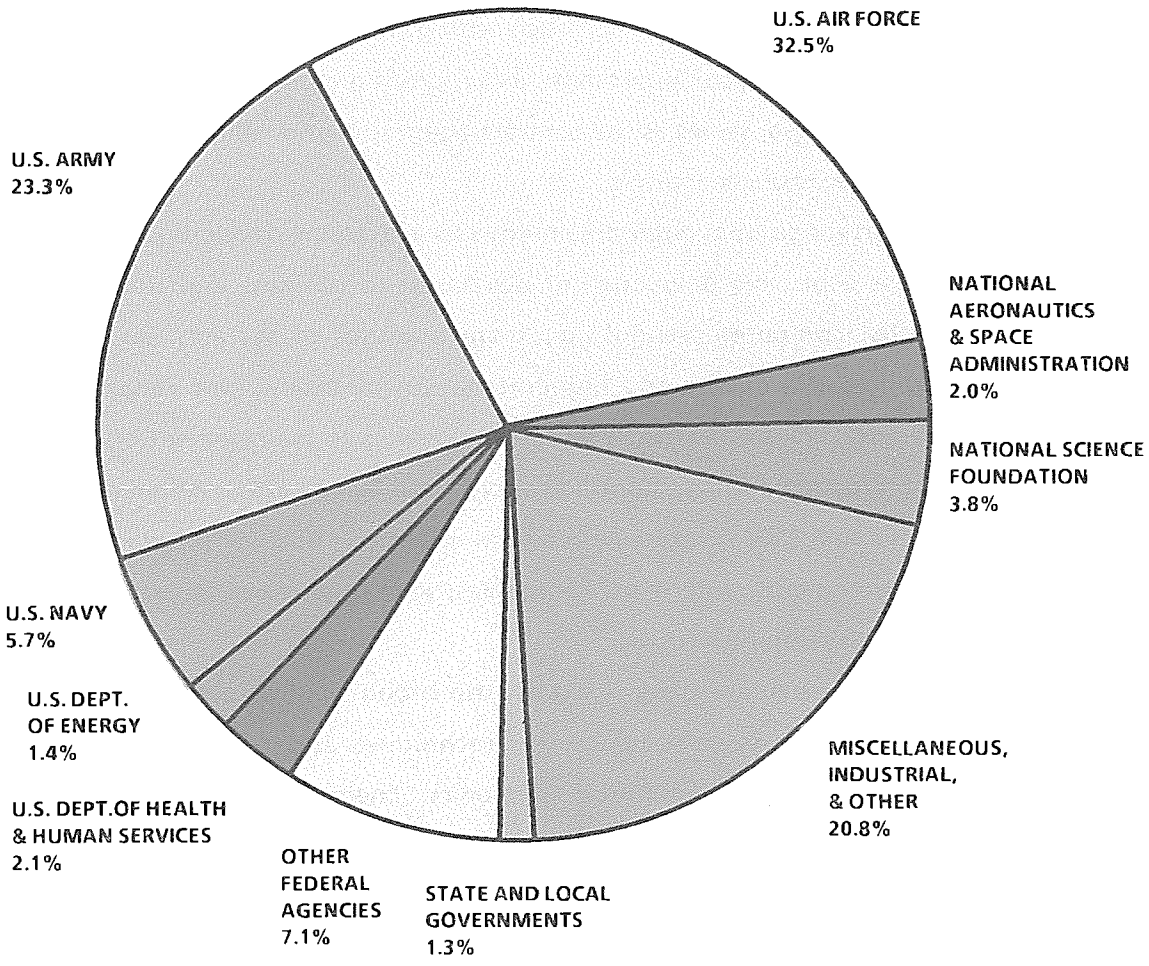
Research programs range from alternate energy research to the development of electronic defense systems; from economic development assistance to business and industry to the application of complex computer technology; from analyses of systems for monitoring stratospheric pollution to the design and implementation of totally new radars; from the evolution of processing techniques for earth resources satellites to management of the nation's second largest solar energy test facility. Contracts vary in size from a $21.3 million contract with the federal government to a $500 contract with a rural industry. There are programs with local, regional, and state governments, with many companies, with other research and development organizations, and with developing nations.

Much of the total research activity is within the broad field of electronics, including electronic defense, electronic systems, electronic techniques and components, antennas, microelectronics, electromagnetics, and optical electronics. Energy research on solar and other alternate energy forms and work on energy conservation and applications are also important areas, as are the following: domestic and international economic development; computer technology and applications; mechanics; and the fields of biological, physical, chemical, material, earth, atmospheric, and social sciences.

Most of the research is performed on the Georgia Tech campus, but there are also various off-campus facilities. About 63 percent of the research and extension activities are managed by the Georgia Tech Research Institute, and 37 percent are managed by academic schools and colleges.

Source: Office of the Vice President for Research

TOTAL SPONSORED RESEARCH
As of 30 June 1986



Source: Office of the Vice President for Research

RESEARCH GRANTS AND CONTRACTS*

AWARDING AGENCY	FY 1986	% of Total
National Science Foundation	$ 3,984,503	3.8
National Aeronautics & Space Administration	2,091,302	2.0
U. S. Air Force	34,326,860	32.5
U. S. Army	24,560,676	23.3
U. S. Navy	6,078,571	5.7
U. S. Department of Energy	1,456,850	1.4
U. S. Department of Health and Human Services	2,251,812	2.1
Other Federal Agencies	7,466,124	7.1
Total Federal Government	$ 82,216,698	
State and Local Governments	$ 1,369,622	1.3
Miscellaneous, Industrial, & Other	$ 22,044,780	20.8
GRAND TOTAL	$105,631,100	

* This summary does not include other extramural support such as fellowships, traineeships, training grants, and instructional equipment grants.

RESEARCH SUMMARY

July 1985-June 1986

	PROPOSALS		AWARDS	
UNIT	Number	Amount	Number	Amount
Engineering	455	$136,667,464	226	$ 18,783,213
Architecture	33	11,691,907	18	645,070
College of Sciences & Liberal Studies	272	66,414,574	128	9,795,005
Management	6	2,247,071	1	36,240
Research Centers	88	79,413,919	67	915,019
Georgia Tech Research Institute	963	381,343,877	536	75,456,553
TOTAL	1,817	$677,778,812	976	$105,631,100

FY 85-86 Awards:	$ 105,631,100
FY 84-85 Awards:	$ 75,826,425
FY 83-84 Awards:	$ 66,432,706
FY 82-83 Awards:	$ 82,384,454
FY 81-82 Awards:	$ 61,727,967

Source: Office of the Vice President for Research

CONTRACT ADMINISTRATION

The Vice President for Research has the executive responsibility for all research programs conducted at the Georgia Institute of Technology. He works with the deans, directors, and other department heads in establishing research policies and procedures. In partnership with the Office of the Vice President for Research 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 program is administered through four operating divisions, a legal staff, and the Office of Technology Transfer, all reporting to the Director of OCA.

The **Office of Technology Transfer** is responsible for the management of Georgia Tech's invention program. This office provides assistance to faculty and staff in the preparation of their records of invention (ROI's) and is responsible for timely reviews of the ROI's in accordance with Georgia Tech's patent policy, including seeking patent protection as appropriate. The office serves as the interface with University Technology Corporation (UTC), worldwide exclusive agent for marketing most of Tech's technologies (except software), in approving license agreements and disbursements of royalty income.

The **Legal Staff** is responsible for providing assistance to the Institute in matters relating to intellectual property law and management; technology licensing and protection; legal analysis and counsel on questions of contract law; federal, state, and local statutes and regulations; and technology exportation. To serve better the needs of the university community, the Legal Staff is divided into two teams. Each team has varied expertise and is responsible for certain designated subject areas.

The **Program Initiation Division (PID)** provides assistance that leads to the submission of formal proposals, including review and interpretation of solicitation contractual requirements, determination of appropriate contract terms, and establishment of any pre-contract agreements. Being responsible for submission of all proposal and grant applications for sponsored research

and instruction from the Georgia Tech Research Corporation (GTRC) and the Georgia Institute of Technology, its 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 that increase the funding of existing projects.

The **Program Administration Division (PAD)** has the responsibility of monitoring active grants and contracts. Upon PAD's 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. Modifications to an existing program involving an extension of time and/or a change in terms and conditions are processed by PAD so long as there is no increase in funding (increases in funding are handled by PID). Liaison with the sponsor is maintained by PAD contracting officers through responses to contractual situations or requests on day-to-day administrative matters. Responsibilities include the monitoring of 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. PAD is also responsible for the preparation, monitoring and closeout of subcontracts and consulting agreements issued by Georgia Tech, as well as the preparation and administration of required Small Business Administration (SBA) subcontracting plans.

The **Contracting Support Division (CSD)** provides a multitude of services internally to OCA and externally to the entire university. CSD orders and distributes RFP's (requests for proposals) as well as assists individual researchers in program development activities. The newsletters *RESEARCH NEWS* and *RESEARCH OPPORTUNITIES* are published by this division. CSD distributes

all proposals and deliverable reports utilizing the most effective means of delivery. CSD serves as the central filing center for all contract progress reports pending receipt of final reports and subsequent submission to the Archives section of the Georgia Tech Library. When a grant or contract is completed, CSD initiates all actions required to close out the program (i.e., final billing, preparation of research property records, closing certificates, accounting for patents and classified documents, etc.). CSD also operates telecommunications equipment to support the Institute's needs for worldwide transmission and receipt of telex and telefax communications as well as providing courier and commercial carrier depot services. Internally for OCA, CSD maintains all sponsored contract files as well as maintains the automated data base used for management control and report generating.

The **Printing and Photographic Center (PPC)** is the only organized reproduction facility on the Georgia Tech campus. Its printing and photographic departments serve not only the needs of the rapidly expanding research activities but those of the academic units as well. Faculty and students benefit from its modern quick copy facility and research copy center where reports and other documents are reproduced and assembled promptly. A layout section is available to assist the writer in translating concepts into plate-ready material for printing. Supporting the press facility is a copy camera capable of making enlargements/reductions of engineering drawings or photographs and a newly organized typesetting unit. The photographic department is equipped with a wide variety of cameras, movie and still, high speed and slow motion, for either in-house or research laboratory use. PPC is well-equipped and staffed to meet the instructional, research, and administrative requirements of a major academic institution.

Source: Office of the Director, Contract Administration

RESEARCH CENTERS

The Office of Interdisciplinary Programs, established in October 1973, coordinates interdisciplinary research centers at Georgia Tech. The office currently provides administrative support and coordination to the units listed below. While the centers offer no designated degrees, center staff teach courses in other departments and schools of the Institute, assist in the development of interdisciplinary curricula, conduct various research projects, engage in public service programs, and coordinate appropriate interdisciplinary activities.

The **Bioengineering Center** emphasizes the application of knowledge, techniques, and approaches of the physical sciences, engineering, social sciences, and management to the problems of the biological sciences. In addition to developing interdisciplinary study and research opportunities for qualified students at Georgia Tech, the center conducts cooperative programs in bioengineering education and research with other universities and foundations. Curriculum planning and arrangements are coordinated by the Office of the Dean of Engineering.

The **Computational Mechanics Center** is dedicated to the advancement of the science of computational analyses. Major research thrusts include non-linear and dynamic fracture mechanics, failure analysis, advanced stress and durability studies, heat section jet engine technology, fatigue analysis, and advanced computational techniques for manufacturing processes.

The **Environmental Resources Center** coordinates applications of Tech's expertise in science and technology to address problems of managing environmental resources. It organizes and administers water resources research projects throughout Georgia and disseminates their results.

RESEARCH CENTERS

The objective of the **Fracture and Fatigue Research Lab** is to encourage interdisciplinary research and educational opportunities at Georgia Tech in the field of fracture and fatigue of materials. The research programs encompass the behavior of a wide range of materials, including metals, ceramics, polymers, and composites.

The **Georgia Mining and Mineral Resources Institute** was organized for the purpose of providing research and education for the mineral industries of the state of Georgia and of the Southeast. The major emphasis in research is in non-metallics and, to a lesser degree, coal.

The **Georgia Productivity Center** assists Georgia companies in improving productivity through the application of technology. Direct short-term help is provided statewide through Tech's twelve extension offices. Longer term research needs are approached through special projects for special industrial groups. Emphasis is placed on production technology, industrial economics, business, and human resource management.

The **Georgia Tech Microelectronics Research Center** provides a mechanism for the formal coordination of campus programs of a microelectronics nature conducted within existing campus organizational units. The center also provides a focus for the development of specialized facilities used in support of interdisciplinary research activities. Typical research programs include thin film deposition and characterization, anisotropic etching, high field-hot electron effects on device modeling, laser annealing, and very large scale integration (VLSI) chip design.

The **Health Systems Research Center** provides an interdisciplinary and interinstitutional program of health systems research, community outreach, and continuing education. The center

develops, applies, and disseminates new knowledge and techniques in all aspects of improved operational and managerial systems for the delivery of health care to the public. The center emphasizes systematic planning, engineering design, and scientific management of health care facilities, work methods, and human resources.

The **Nuclear Research Center** provides access for multiple-discipline users of a five megawatt research reactor. On-going work includes trace element analysis, production of radioisotopes for medical and industrial use, medical application research, and personnel training programs for industry. An additional program supports reactor use by colleges and universities throughout the southeastern United States.

The **Rehabilitation Technology Center** facilitates research on devices and systems that help handicapped or disabled persons by removing functional barriers in the workplace, home, and community environments. Collaborative research relationships have been established with the Atlanta Veterans Administration Medical Center, the Division of Vocational Rehabilitation (Georgia Department of Human Resources), the Roosevelt Warm Springs Institute, and Emory University.

The **Technology Policy and Assessment Center** brings together faculty and student research teams to conduct research on major technology policy issues that face our society. Typical areas of investigation involve analyses of social impact, organizational behavior, institutional responsiveness and cost-risk-benefit features associated with alternative policies, and strategies for the management of scientific and technological development.

RESEARCH CENTERS

The **Center for Work Performance Problems** is an international, interinstitutional, interdisciplinary organization to conduct research, promote education and publication, and offer consultation on the broad range of workplace issues that relate to the human side of work performance. These workplace issues encompass both those problems employees bring to work and those created by the work environment.

The **Materials Handling Research Center** is a joint university/industry activity that produces research results which will ultimately improve the handling, storage, and control of material. The center's research programs include design, development, and operational studies that have applications in manufacturing, warehousing, and logistics. Research staff members of the center work closely with member companies to keep the program oriented toward significant and relevant research opportunites.

The **Communication Research Center** addresses literacy, language use and development, and the process of composition. Research and services are performed by a network of scholars whose results have been applied widely to teaching and learning, both within and beyond the academic setting.

The **Center for Excellence in Rotary Wing Aircraft Technology** provides a national focal point to stimulate more continuous research in helicopter technology and more comprehensive graduate training for engineers in the field. Georgia Tech was selected by the U.S. Army as one of their three centers for excellence in rotary wing aircraft technology.

RESEARCH CENTERS

The **Center for Architectural Conservation** focuses on research in the technology of existing buildings to promote, enhance, and assist in the conservation and re-use of building environments.

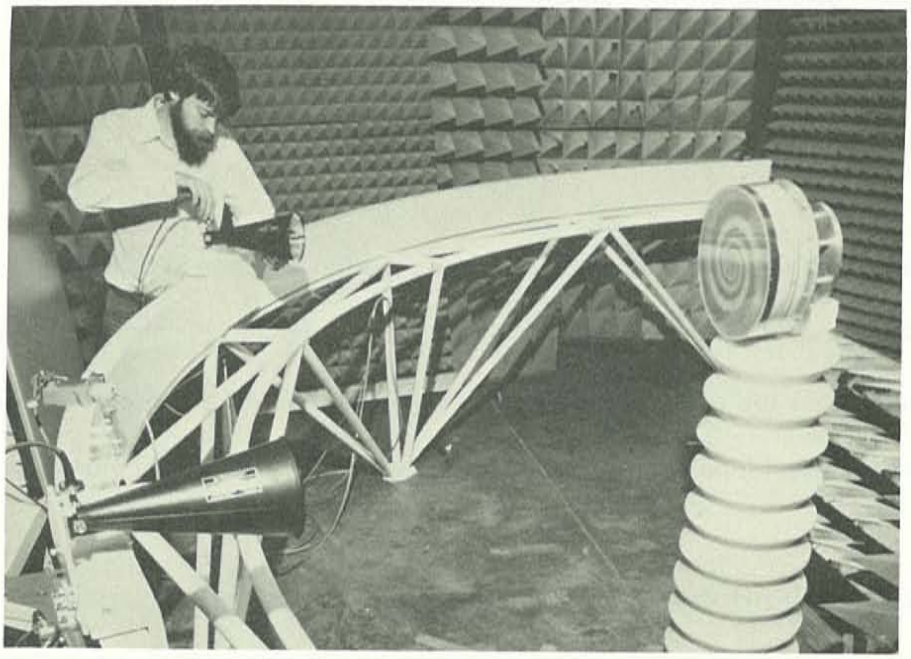
The **Research Center for Biotechnology** provides a focus for the development of research in molecular biology, applied biology, biochemistry, biophysics, and biochemical engineering. A major emphasis is on the utilization of new research for the development of new industrial processes and products for health care items, specialty chemicals, fuels, and biomaterials.

The **Fusion Research Center** integrates and focuses faculty research interests in the various areas of physics and technology that are related to fusion research and development. Two areas have been identified for initial emphasis: plasma-wall interaction and impurity control; and plasma diagnostics.

The **College of Architecture Construction Research Center** supports both applied and scholarly research in architecture and architectural construction.

The purpose of the **Georgia Tech/Emory University Biomedical Technology Research 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.

Source: Office of the Director, Interdisciplinary Programs



Reflectivity arch used by GTRI for broadband radar cross section measurements

The Georgia Tech Research Institute (GTRI) is a non-profit research organization chartered by the Georgia legislature and is an integral part of Georgia Tech. Its missions include: service to the community, state and nation; conducting scientific, engineering, and industrial research; encouraging the development of Georgia's natural resources; aiding industrial and economic development; and participating in national programs of science, technology, and preparedness. In performing these missions, GTRI simultaneously is making the maximum possible contribution to Georgia Tech's overall research, educational, and service goals.

The Director of GTRI reports administratively to the Georgia Tech Vice President for Research, who is the focal point for all research at the Institute. There is considerable interaction in research and instruction between the staff of GTRI and the academic schools and departments. There is also increasing involvement in the presentation of seminars and other forms of specialized training for off-campus groups.

GEORGIA TECH RESEARCH INSTITUTE

GTRI is headquartered on the Georgia Tech campus where most of its staff is located. GTRI activities also are located at an off-campus leased facility in nearby Cobb County, as well as at twelve field offices located throughout the state in Albany, Augusta, Brunswick, Carrollton, Columbus, Douglas, Dublin, Gainesville, Macon, Madison, Rome, and Savannah. In addition, other groups are performing research at the sponsors' locations: Eglin Air Force Base, Florida; the Army Missile command in Huntsville, Alabama; the Warner Robins Air Logistics Center in Georgia; and Ft. Monmouth, New Jersey. Overseas resident locations include Cairo, Egypt, and Khartoum, Sudan. GTRI is organized into seven major research laboratories as described briefly below:

The **ECONOMIC DEVELOPMENT LABORATORY (EDL)** transfers technology to business, performs applied economic research for fact-based decision-making, engineers safe workplaces and environments, and provides continuing education and on-site industrial training. The lab operates an acclaimed Industrial Extension Service via twelve regional offices located throughout Georgia. Major EDL programs include industrial market research and feasibility studies, hazardous waste management, occupational safety and health consultation, industrial energy conservation, agricultural technology, and assistance to import-impacted firms. Also, EDL has established a solid reputation in energy demand forecasting, cost-benefit analyses, indoor air quality research, ergonomics, and international economic development. It also administers the Industrial Education program for Georgia Tech (see page 69).

The **ELECTROMAGNETICS LABORATORY (EML)** is composed of three major research units: Electro-Optics; Physical Sciences; and Millimeter Wave Techniques, plus the Huntsville office. A broad spectrum of research programs covers both governmental and industrial activities. Some of these are: digital image processing, millimeter-wave technology, molecular beam epitaxy (MBE), radiometric systems, remote sensing applications, semi-conductor materials, microelectronics, chemical kinetics and photochemistry, artificial intelligence, and optoelectronics. Current research in dual mode infrared/millimeter wave missile guidance techniques is addressing one of our nation's highest defense priorities.

The **ELECTRONICS AND COMPUTER SYSTEMS LABORATORY (ECSL)** is composed of six major research units: Biomedical Research; Communications Systems; Computer Technology and Applications; Electromagnetic Compatibility; Electromagnetic Effectiveness; and Command and Control. A sample of the research activities performed in ECSL includes research of antenna systems including phased arrays, electromagnetic scattering, design and analysis of robust communication systems, analysis and control of electromagnetic interference effects, information management and decision-support systems, artificial intelligence and robotics, real-time data acquisition and display systems, and design and development of unique instrumentation for electromagnetic measurement and medical-type applications.

The **ENERGY AND MATERIAL SCIENCES LABORATORY (EMSL)** is composed of three major units: Solar Energy; Material Sciences; and Bioengineering. Much of the research is directed toward advanced engineering and the physical sciences as applied to energy production, development of new materials, and the resolution of environmental problems. Some projects include high-temperature solar energy research, technology related to the conversion and utilization of biomass, the development and evaluation of high-temperature materials, and protective coating technology. Among the more significant of these programs are entrained pyrolysis and gasification of biomass, the development of high temperature ceramics materials, and operation of the Advanced Components Test Facility (Solar Test Site).

The **RADAR AND INSTRUMENTATION LABORATORY (RAIL)** is composed of four major units: Modeling and Analysis; Radar Applications; Technology Development; and a Special Projects Office. A Non-Cooperative Target Recognition (NCAR) Office is located at Ft. Monmouth, New Jersey. Areas of national recognition include millimeter-wave technology, characterization of targets and clutter, polarization processing, instrumentation radars and reflectivity measurements, stationary target detection, target classification, radar transmitters and modulators. New research thrusts include electronic counter countermeasures, advanced radar transmitter/modulation technology, tracking radar systems, fiber optics technology/applications, and guidance/seeker technology.

The **SYSTEMS AND TECHNIQUES LABORATORY (S&TL)** is composed of a program office and four major units: Defense Electronics; Microwave Systems; Systems Development; and Design Services. A major part of the research in S&TL is related to threat radar systems. This work focuses on the analysis, design, fabrication, and testing of new radar systems and major components. Other major technical areas are microwave systems, particularly track-while-scan types; millimeter-wave and phased array antennas; and multiple-target instrumentation systems. A few of the major accomplishments in this laboratory include the development of major radar systems, both fixed and mobile, extensive upgrading of two mobile radars, development of antenna range improvements, and initiation of several research and development programs to provide modular sensors for insertion into future phased array technology architectures.

The **SYSTEMS ENGINEERING LABORATORY (SEL)** is composed of four major units: Concepts Analysis; Countermeasures Development; Defense Systems; and Electronic Support Measures. In addition, SEL has an Advanced Programs Office and a Techniques Analysis Program Office on campus, plus field offices located at Eglin Air Force Base in Florida and Warner Robins Air Logistics Center in Georgia. They are engaged in large-scale systems analysis and in-depth modeling of system concepts. Areas of expertise are electronic countermeasures (ECM), electronic warfare (EW), electronic support measures (ESM), and electronic counter countermeasures (ECCM). Much research is underway in EW simulator development, EW software development, and advanced digital signal processing. An area of particular significance is technology insertion of VLSI microelectronics to update ECM systems. In addition, an emerging area is the application of Artificial Intelligence technology to optimally use ECM.

Source: Office of the Director, Georgia Tech Research Institute

GEORGIA TECH RESEARCH INSTITUTE

STAFF
30 June 1986

Research Regular (full-time)	Number	Percentage	Total
Professional			557
By Highest Degree			
Doctorate*	97	17.4%	
Master's	272	48.8%	
Bachelor's	178	32.0%	
Other	6	1.1%	
No Degree	4	0.7%	
Support			301
Total Research Regular (full-time)			**858**

Supplementary (part-time)	Number	
Professional	37	
Support	126	
Graduate Research Assistants	52	
Co-op Students	115	
Student Assistants	83	
Total Supplementary (part-time)		**413**
TOTAL STAFF		**1,271**

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

FY-85/86 FINANCIAL DATA

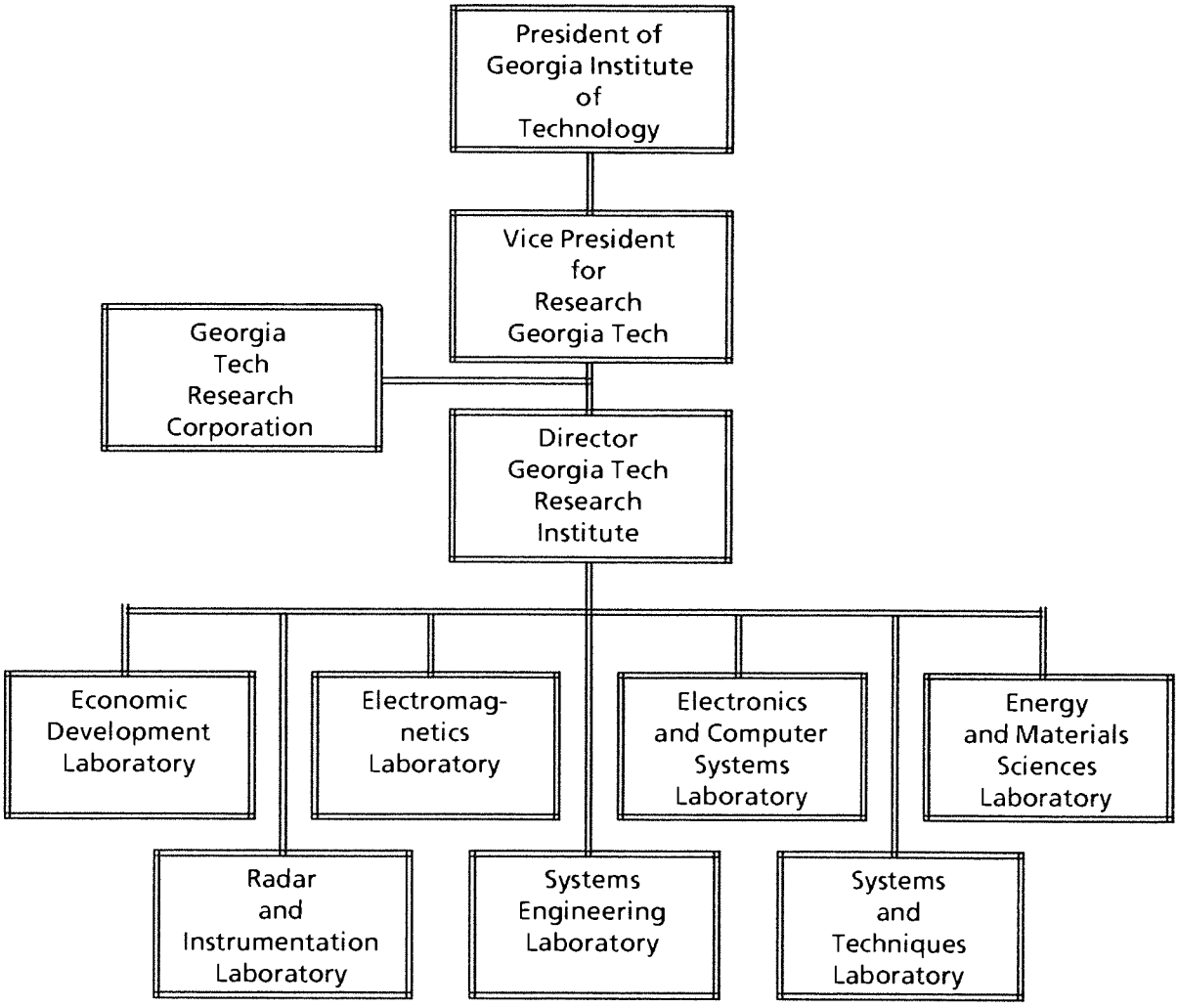
Activity Level/Funding Sources	
Research Contracts and Grants	$53.2 million
Interdepartmental Services	4.6 million
State Appropriation	7.7 million
TOTAL	$65.5 million

RESEARCH FACILITIES

Campus Research Space	369,078 sq. ft.
Off-Campus Leased Research Space	146,505 sq. ft.
TOTAL	515,583 sq. ft.

Source: Office of the Director, Georgia Tech Research Institute

GEORGIA TECH RESEARCH INSTITUTE



Source: Office of the Vice President for Research

ADVANCED TECHNOLOGY DEVELOPMENT CENTER

The Advanced Technology Development Center (ATDC) was created in July 1980 jointly by George Busbee, then governor, and the General Assembly. Organized as a Unit of the University System of Georgia and located on the Georgia Tech campus, the ATDC serves as a catalyst for attracting and supporting high-technology industrial growth in Georgia.

It was recognized by the ATDC's founders that technology-oriented companies are capital intensive, employ a high percentage of technicians, engineers, and scientists, and are science-based, dependent on research and development for their continued success. Therefore, ATDC programs are designed to assist high-technology businesses through all stages of development.

Specific ATDC programs include recruiting high-technology firms to Georgia, assisting high-technology entrepreneurs to begin new firms, helping existing companies develop new technology-based products, assisting in the formation of investment resources, and conducting educational programs in high-technology business development.

In addition to its entrepreneurial development activities, the ATDC offers services to companies considering expansion or relocation of technical operations to Georgia. Such services include:

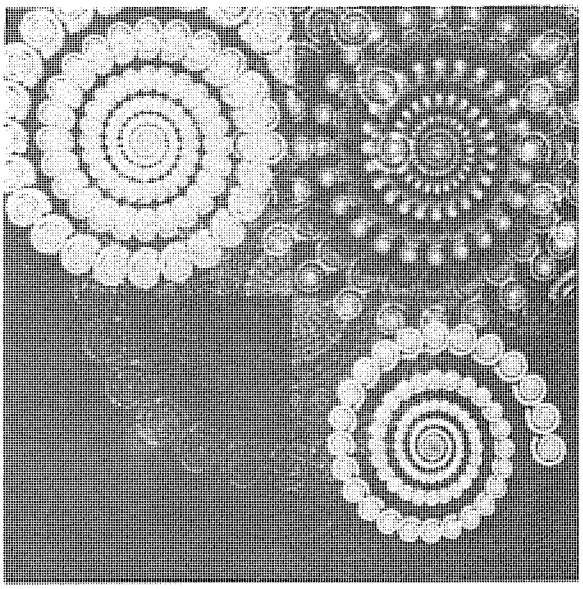
> technical and market information; access to state business resources and research capabilities; low-cost operating space on the Tech campus; access to Tech's facilities, engineers, and scientists; and other support and training needed to facilitate their growth.

As part of its assistance to high-technology companies, the ATDC can help identify product markets; locate venture and early-stage financing; provide management, financial, and marketing assistance; and evaluate new products and ideas. ATDC-sponsored conferences and workshops enable business owners and managers to update their technological understanding and improve their management skills.

ADVANCED TECHNOLOGY DEVELOPMENT CENTER

The ATDC is housed in a new two-building complex on the northern edge of the Tech campus facing Tenth Street. The ATDC Technology Business Center offers a total of 83,000 square feet of office, laboratory, and light manufacturing space. Shared conference and secretarial support facilities, plus a new Business Resource Library, augment the resources of new firms residing in the Center. In addition to providing reasonably priced space for developing businesses, the Center provides convenient access to Tech's library, computer center, sophisticated test equipment, and other research facilities. Currently, the ATDC has forty-eight member firms in its incubator program; twelve start-ups now occupy space in the Technology Business Center facilities along with six "landing parties" of existing companies.

Source: Office of the Director, Advanced Technology Development Center



Georgia Tech is a leader in fractal geometry, a rapidly emerging branch of mathematics.

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For additional information about this publication, contact the Office of the Associate Vice President for Academic Affairs (phone: 404/894-3311).

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